Power Systems

Progress codes

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Note

Before using this information and the product it supports, read the information in "Notices," on page 109, "Safety notices" on page v, the *IBM Systems Safety Notices* manual, G229-9054, and the *IBM Environmental Notices and User Guide*, Z125–5823.

This edition applies to IBM Power Systems™ servers that contain the POWER6® processor and to all associated models.

Contents

Safety notices

Safety notices may be printed throughout this guide:

- **DANGER** notices call attention to a situation that is potentially lethal or extremely hazardous to people.
- **CAUTION** notices call attention to a situation that is potentially hazardous to people because of some existing condition.
- **Attention** notices call attention to the possibility of damage to a program, device, system, or data.

World Trade safety information

Several countries require the safety information contained in product publications to be presented in their national languages. If this requirement applies to your country, a safety information booklet is included in the publications package shipped with the product. The booklet contains the safety information in your national language with references to the U.S. English source. Before using a U.S. English publication to install, operate, or service this product, you must first become familiar with the related safety information in the booklet. You should also refer to the booklet any time you do not clearly understand any safety information in the U.S. English publications.

German safety information

Das Produkt ist nicht für den Einsatz an Bildschirmarbeitsplätzen im Sinne § 2 der Bildschirmarbeitsverordnung geeignet.

Laser safety information

IBM® servers can use I/O cards or features that are fiber-optic based and that utilize lasers or LEDs.

Laser compliance

All lasers are certified in the U.S. to conform to the requirements of DHHS 21 CFR Subchapter J for class 1 laser products. Outside the U.S., they are certified to be in compliance with IEC 60825 as a class 1 laser product. Consult the label on each part for laser certification numbers and approval information.

CAUTION:
This product might contain one or more of the following devices: CD-ROM drive, DVD-ROM drive, DVD-RAM drive, or laser module, which are Class 1 laser products. Note the following information:

- **Do not remove the covers. Removing the covers of the laser product could result in exposure to hazardous laser radiation. There are no serviceable parts inside the device.**
- **Use of the controls or adjustments or performance of procedures other than those specified herein might result in hazardous radiation exposure.**

(C026)

CAUTION:
Data processing environments can contain equipment transmitting on system links with laser modules that operate at greater than Class 1 power levels. For this reason, never look into the end of an optical fiber cable or open receptacle. (C027)

CAUTION:
This product contains a Class 1M laser. Do not view directly with optical instruments. (C028)

CAUTION:
Some laser products contain an embedded Class 3A or Class 3B laser diode. Note the following information: laser radiation when open. Do not stare into the beam, do not view directly with optical instruments, and avoid direct exposure to the beam. (C030)

Power and cabling information for NEBS (Network Equipment-Building System) GR-1089-CORE

The following comments apply to the IBM servers that have been designated as conforming to NEBS (Network Equipment-Building System) GR-1089-CORE:

The equipment is suitable for installation in the following:

- Network telecommunications facilities
- Locations where the NEC (National Electrical Code) applies

The intrabuilding ports of this equipment are suitable for connection to intrabuilding or unexposed wiring or cabling only. The intrabuilding ports of this equipment *must not* be metallically connected to the interfaces that connect to the OSP (outside plant) or its wiring. These interfaces are designed for use as intrabuilding interfaces only (Type 2 or Type 4 ports as described in GR-1089-CORE) and require isolation from the exposed OSP cabling. The addition of primary protectors is not sufficient protection to connect these interfaces metallically to OSP wiring.

Note: All Ethernet cables must be shielded and grounded at both ends.

The ac-powered system does not require the use of an external surge protection device (SPD).

The dc-powered system employs an isolated DC return (DC-I) design. The DC battery return terminal *shall not* be connected to the chassis or frame ground.

Chapter 1. Progress codes overview

Progress codes (or checkpoints) offer information about the stages involved in powering on and performing initial program load (IPL). Progress codes do not always indicate an error. Use progress code information if your server has paused indefinitely without displaying a system reference code. The information provided indicates the most appropriate action for that progress code.

Use this information for reference only. To perform any service action, use the Hardware Management Console (HMC).

Chapter 2. AIX IPL progress codes

This section provides descriptions for the numbers and characters that display on the operator panel and descriptions of the location codes used to identify a particular item.

Note: The AIX® IPL progress codes occur only when running the AIX operating system or booting standalone diagnostics. The codes do not occur on servers running the Linux operating system or on Linux partitions.

Operator panel display numbers

This section contains a list of the various numbers and characters that display in the operator panel display. There are three categories of numbers and characters.

- The first group tracks the progress of the configuration program.
- The second group tracks the progress of the diagnostics.
- The third group provides information about messages that follow an 888 sequence.

AIX configuration program indicators

The numbers in this list display on the operator panel as the system loads the AIX operating system and prepares the hardware by loading software drivers.

Note: Some systems may produce 4-digit codes. If the leftmost digit of a 4-digit code is 0, use the three rightmost digits.

02E6 **02E6**

Explanation: The PCI Differential Ultra SCSI adapter or the Universal PCI Differential Ultra SCSI adapter being configured.

02E7 **02E7**

Explanation: Configuration method unable to determine if the SCSI adapter type is SE or DE type.

0440 **0440**

Explanation: 9.1GB Ultra SCSI Disk Drive being identified or configured.

0441 **0441**

Explanation: 18.2 GB Ultra SCSI Disk Drive being identified or configured.

0444 **0444**

Explanation: 2-Port Multiprotocol PCI Adapter (ASIC) being identified or configured.

0447 **0447**

Explanation: PCI 64-bit Fibre Channel Arbitrated Loop Adapter being configured.

0458 **0458**

Explanation: 36 GB DAT72 Tape Drive

0459 **0459**

Explanation: 36 GB DAT72 Tape Drive

045D **045D**

Explanation: 200 GB HH LTO2 Tape drive

0500 **0500**

Explanation: Querying Standard I/O slot.

0501 **0501**

Explanation: Querying card in Slot 1.

0502 **0502**

Explanation: Querying card in Slot 2.

0503 **0503**

Explanation: Querying card in Slot 3.

0504 **0504**

Explanation: Querying card in Slot 4.

0505 **0505**

Explanation: Querying card in Slot 5.

0506 **0506**

Explanation: Querying card in Slot 6.

0507 **0507**

Explanation: Querying card in Slot 7.

0508 **0508**

Explanation: Querying card in Slot 8.

0510 **0510**

Explanation: Starting device configuration.

0511 **0511**

Explanation: Device configuration completed.

0512 **0512**

Explanation: Restoring device configuration files from media.

0513 **0513**

Explanation: Restoring basic operating system installation files from media.

0516 **0516**

Explanation: Contacting server during network boot.

0517 **0517**

Explanation: Mounting client remote file system during network IPL.

0518 **0518**

Explanation: Remote mount of the **root (/)** and **/usr** file systems failed during network boot.

0520 **0520**

Explanation: Bus configuration running.

0521 **0521**

Explanation: **/etc/init** invoked **cfgmgr** with invalid options; **/etc/init** has been corrupted or incorrectly modified (irrecoverable error).

0522 **0522**

Explanation: The configuration manager has been invoked with conflicting options (irrecoverable error).

0523 **0523**

Explanation: The configuration manager is unable to access the ODM database (irrecoverable error).

0524 **0524**

Explanation: The configuration manager is unable to access the **config.rules** object in the ODM database (irrecoverable error).

0525 **0525**

Explanation: The configuration manager is unable to get data from a customized device object in the ODM database (irrecoverable error).

0526 **0526**

Explanation: The configuration manager is unable to get data from a customized device driver object in the ODM database (irrecoverable error).

0527 **0527**

Explanation: The configuration manager was invoked with the phase 1 flag; running phase 1 at this point is not permitted (irrecoverable error).

0528 **0528**

Explanation: The configuration manager cannot find sequence rule, or no program name was specified in the ODM database (irrecoverable error).

0529 **0529**

Explanation: The configuration manager is unable to update ODM data (irrecoverable error).

0530 **0530**

Explanation: The **savebase** program returned an error.

0531 **0531**

Explanation: The configuration manager is unable to access the PdAt object class (irrecoverable error).

0532 **0532**

Explanation: There is not enough memory to continue (malloc failure); irrecoverable error.

0533 **0533**

Explanation: The configuration manager could not find a configuration method for a device.

0534 **0534**

Explanation: The configuration manager could not find a configuration method for a device.

0535 **0535**

Explanation: HIPPI diagnostics interface driver being configured.

0536 **0536**

Explanation: The configuration manager encountered more than one sequence rule specified in the same phase (irrecoverable error).

0537 **0537**

Explanation: The configuration manager encountered an error when invoking the program in the sequence rule.

0538 **0538**

Explanation: The configuration manager is going to invoke a configuration method.

0539 **0539**

Explanation: The configuration method has terminated, and control has returned to the configuration manager.

0541 **0541**

Explanation: A DLT tape device is being configured.

0542 **0542**

Explanation: 7208-345 60 GB tape drive, 7334-410 60 GB tape drive

0549 **0549**

Explanation: Console could not be configured for the Copy a System Dump Menu.

0551 **0551**

Explanation: IPL vary-on is running.

0552 **0552**

Explanation: IPL vary-on failed.

0553 **0553**

Explanation: IPL phase 1 is complete.

0554 **0554**

Explanation: The boot device could not be opened or read, or unable to define NFS swap device during network boot.

0555 **0555**

Explanation: An ODM error occurred when trying to vary-on the rootvg, or unable to create an NFS swap device during network boot.

0556 **0556**

Explanation: Logical Volume Manager encountered error during IPL vary-on.

0557 **0557**

Explanation: The root file system does not mount.

0558 **0558**

Explanation: There is not enough memory to continue the system IPL.

0559 **0559**

Explanation: Less than 2 MB of good memory are available to load the AIX kernel.

0569 **0569**

Explanation: FCS SCSI protocol device is being configured (32 bits).

0570 **0570**

Explanation: Virtual SCSI devices being configured.

0571 **0571**

Explanation: HIPPI common function device driver being configured.

0572 **0572**

Explanation: HIPPI IPI-3 master transport driver being configured.

0573 **0573**

Explanation: HIPPI IPI-3 slave transport driver being configured.

0574 **0574**

Explanation: HIPPI IPI-3 transport services user interface device driver being configured.

0575 **0575**

Explanation: A 9570 disk-array driver being configured.

0576 **0576**

Explanation: Generic async device driver being configured.

0577 **0577**

Explanation: Generic SCSI device driver being configured.

0578 **0578**

Explanation: Generic commo device driver being configured.

0579 **0579**

Explanation: Device driver being configured for a generic device.

0580 **0580**

Explanation: HIPPI TCP/IP network interface driver being configured.

0581 **0581**

Explanation: Configuring TCP/IP.

0582 **0582**

Explanation: Configuring Token-Ring data link control.

0583 **0583**

Explanation: Configuring an Ethernet data link control.

0584 **0584**

Explanation: Configuring an IEEE Ethernet data link control.

0585 **0585**

Explanation: Configuring an SDLC MPQP data link control.

0586 **0586**

Explanation: Configuring a QLLC X.25 data link control.

0587 **0587**

Explanation: Configuring a NETBIOS.

0588 **0588**

Explanation: Configuring a Bisync Read-Write (BSCRW).

0589 **0589**

Explanation: SCSI target mode device being configured.

0590 **0590**

Explanation: Diskless remote paging device being configured.

0591 **0591**

Explanation: Configuring an LVM device driver.

0592 **0592**

Explanation: Configuring an HFT device driver.

0593 **0593**

Explanation: Configuring SNA device drivers.

0594 **0594**

Explanation: Asynchronous I/O being defined or configured.

0595 **0595**

Explanation: X.31 pseudo-device being configured.

0596 **0596**

Explanation: SNA DLC/LAPE pseudo-device being configured.

0597 **0597**

Explanation: OCS software being configured.

0598 **0598**

Explanation: OCS hosts being configured during system reboot.

0599 **0599**

Explanation: Configuring FDDI data link control.

059B **059B**

Explanation: FCS SCSI protocol device being configured (64 bits).

05C0 **05C0**

Explanation: Streams-based hardware drive being configured.

05C1 **05C1**

Explanation: Streams-based X.25 protocol being configured.

05C2 **05C2**

Explanation: Streams-based X.25 COMIO emulator driver being configured.

05C3 **05C3**

Explanation: Streams-based X.25 TCP/IP interface driver being configured.

05C4 **05C4**

Explanation: FCS adapter device driver being configured.

05C5 **05C5**

Explanation: SCB network device driver for FCS being configured.

05C6 **05C6**

Explanation: AIX SNA channel being configured.

0600 **0600**

Explanation: Starting network boot portion of **/sbin/rc.boot** .

0602 **0602**

Explanation: Configuring network parent devices.

0603 **0603**

Explanation: **/usr/lib/methods/defsys** , **/usr/lib/methods/cfgsys** , or **/usr/lib/methods/cfgbus** failed.

0604 **0604**

Explanation: Configuring physical network boot device.

0605 **0605**

Explanation: Configuration of physical network boot device failed.

0606 **0606**

Explanation: Running **/usr/sbin/ifconfig** on logical network boot device.

0607 **0607**

Explanation: **/usr/sbin/ifconfig** failed.

0608 **0608**

Explanation: Attempting to retrieve the client.info file with tftp. **Note:** Note that a flashing 608 indicates multiple attempt(s) to retrieve the client_info file are occurring.

0609 **0609**

Explanation: The **client.info** file does not exist or it is zero length.

060B **060B**

Explanation: 18.2 GB 68-pin LVD SCSI Disk Drive being configured.

0610 **0610**

Explanation: Attempting remote mount of NFS file system.

0611 **0611**

Explanation: Remote mount of the NFS file system failed.

0612 **0612**

Explanation: Accessing remote files; unconfiguring network boot device.

0613 **0613**

Explanation: 8 mm 80 GB VXA-2 tape device

0614 **0614**

Explanation: Configuring local paging devices.

0615 **0615**

Explanation: Configuration of a local paging device failed.

0616 **0616**

Explanation: Converting from diskless to dataless configuration.

0617 **0617**

Explanation: Diskless to dataless configuration failed.

0618 **0618**

Explanation: Configuring remote (NFS) paging devices.

0619 **0619**

Explanation: Configuration of a remote (NFS) paging device failed.

061B **061B**

Explanation: 36.4 GB 80-pin LVD SCSI Disk Drive being configured.

061D **061D**

Explanation: 36.4 GB 80-pin LVD SCSI Disk Drive being configured.

061E **061E**

Explanation: 18.2 GB 68-pin LVD SCSI Disk Drive being configured.

0620 **0620**

Explanation: Updating special device files and ODM in permanent file system with data from boot RAM file system.

0621 **0621**

Explanation: 9.1 GB LVD 80-pin SCSI Drive being configured.

0622 **0622**

Explanation: Boot process configuring for operating system installation.

062D **062D**

Explanation: 9.1 GB 68-pin LVD SCSI Disk Drive being configured.

062E **062E**

Explanation: 9.1GB 68-pin LVD SCSI Disk Drive being configured.

0636 **0636**

Explanation: TURBOWAYS ™ 622 Mbps PCI MMF ATM Adapter.

0637 **0637**

Explanation: Dual Channel PCI-2 Ultra2 SCSI Adapter being configured.

0638 **0638**

Explanation: 4.5 GB Ultra SCSI Single Ended Disk Drive being configured.

0639 **0639**

Explanation: 9.1 GB 10K RPM Ultra SCSI Disk Drive (68-pin).

063A **063A**

Explanation: See 62D.

063B **063B**

Explanation: 9.1 GB 80-pin LVD SCSI Disk Drive being configured.

063C **063C**

Explanation: See 060B.

063D **063D**

Explanation: 18.2 GB 80-pin LVD SCSI Disk Drive being configured.

063E **063E**

Explanation: 36.4 GB 68-pin LVD SCSI Disk Drive being configured.

063F **063F**

Explanation: See 61B.

0640 **0640**

Explanation: 9.1 GB 10K RPM Ultra SCSI Disk Drive (80-pin).

0643 **0643**

Explanation: 18.2 GB LVD 80-pin SCA-2 connector SCSI Disk Drive being configured.

0646 **0646**

Explanation: High-Speed Token-Ring PCI Adapter being configured.

064A **064A**

Explanation: See 62E.

064B **064B**

Explanation: 9.1 GB 80-pin LVD SCSI Disk Drive being configured.

064C **064C**

Explanation: See 61E.

064D **064D**

Explanation: 18.2 GB LVD 80-pin Drive/Carrier being configured.

064E **064E**

Explanation: 36.4 GB 68-pin LVD SCSI Disk Drive being configured.

064F **064F**

Explanation: See 61D.

0650 **0650**

Explanation: SCSD disk drive being configured.

0653 **0653**

Explanation: 18.2 GB Ultra-SCSI 16-bit Disk Drive being configured.

0655 **0655**

Explanation: GXT130P Graphics adapter being configured.

0657 **0657**

Explanation: GXT2000P graphics adapter being configured.

0658 **0658**

Explanation: 2102 Fibre Channel Disk Subsystem Controller Drawer being identified or configured.

0663 **0663**

Explanation: The ARTIC960RxD Digital Trunk Quad PCI Adapter or the ARTIC960RxF Digital Trunk Resource Adapter being configured.

0664 **0664**

Explanation: 32x (MAX) SCSI-2 CD-ROM drive being configured.

0667 **0667**

Explanation: PCI 3-Channel Ultra2 SCSI RAID Adapter being configured.

0669 **0669**

Explanation: PCI Gigabit Ethernet Adapter being configured.

066A **066A**

Explanation: PCI Gigabit Ethernet Adapter being configured.

066C **066C**

Explanation: 10/100/1000 Base-T Ethernet PCI Adapter.

066D **066D**

Explanation: PCI 4-Channel Ultra-3 SCSI RAID Adapter.

066E **066E**

Explanation: 4.7 GB DVD-RAM drive.

0674 **0674**

Explanation: ESCON ™ Channel PCI Adapter being configured.

0678 **0678**

Explanation: 12 GB 4 mm SCSI tape drive

067B **067B**

Explanation: PCI Cryptographic Coprocessor being configured.

0682 **0682**

Explanation: 20x (MAX) SCSI-2 CD-ROM Drive being configured.

0689 **0689**

Explanation: 4.5 GB Ultra SCSI Single Ended Disk Drive being configured.

068C **068C**

Explanation: 20 GB 4-mm Tape Drive being configured.

068E **068E**

Explanation: POWER GXT6000P PCI Graphics Adapter.

0690 **0690**

Explanation: 9.1 GB Ultra SCSI Single Ended Disk Drive being configured.

069B **069B**

Explanation: 64-bit/66 MHz PCI ATM 155 MMF PCI adapter being configured.

069D **069D**

Explanation: 64-bit/66 MHz PCI ATM 155 UTP PCI adapter being configured.

06CC **06CC**

Explanation: SSA disk drive being configured.

0700 **0700**

Explanation: A 1.1 GB 8-bit SCSI disk drive being identified or configured.

0701 **0701**

Explanation: A 1.1 GB 16-bit SCSI disk drive being identified or configured.

0702 **0702**

Explanation: A 1.1 GB 16-bit differential SCSI disk drive being identified or configured.

0703 **0703**

Explanation: A 2.2 GB 8-bit SCSI disk drive being identified or configured.

0704 **0704**

Explanation: A 2.2 GB 16-bit SCSI disk drive being identified or configured.

0705 **0705**

Explanation: The configuration method for the 2.2 GB 16-bit differential SCSI disk drive is being run. If an irrecoverable error occurs, the system halts.

0706 **0706**

Explanation: A 4.5 GB 16-bit SCSI disk drive being identified or configured.

0707 **0707**

Explanation: A 4.5 GB 16-bit differential SCSI disk drive being identified or configured.

0708 **0708**

Explanation: An L2 cache being identified or configured.

0709 **0709**

Explanation: 128 port ISA adapter being configured

0710 **0710**

Explanation: POWER GXT150M graphics adapter being identified or configured.

0711 **0711**

Explanation: Unknown adapter being identified or configured.

0712 **0712**

Explanation: Graphics slot bus configuration is executing.

0713 **0713**

Explanation: The IBM ARTIC960 device being configured.

0714 **0714**

Explanation: A video capture adapter being configured.

0717 **0717**

Explanation: TP Ethernet Adapter being configured.

0718 **0718**

Explanation: GXT500 Graphics Adapter being configured.

0720 **0720**

Explanation: Unknown read/write optical drive type being configured.

0721 **0721**

Explanation: Unknown disk or SCSI device being identified or configured.

0722 **0722**

Explanation: Unknown disk drive being identified or configured.

0723 **0723**

Explanation: Unknown CD-ROM drive being identified or configured.

0724 **0724**

Explanation: Unknown tape drive being identified or configured.

0725 **0725**

Explanation: Unknown display adapter being identified or configured.

0726 **0726**

Explanation: Unknown input device being identified or configured.

0727 **0727**

Explanation: Unknown async device being identified or configured.

0728 **0728**

Explanation: Parallel printer being identified or configured.

0729 **0729**

Explanation: Unknown parallel device being identified or configured.

0730 **0730**

Explanation: Unknown diskette drive being identified or configured.

0731 **0731**

Explanation: PTY being identified or configured.

0732 **0732**

Explanation: Unknown SCSI initiator type being configured.

0733 **0733**

Explanation: 7 GB 8-mm tape drive being configured.

0734 **0734**

Explanation: 4x SCSI-2 640 MB CD-ROM Drive being configured.

0736 **0736**

Explanation: Quiet Touch keyboard and speaker cable being configured.

0741 **0741**

Explanation: 1080 MB SCSI Disk Drive being configured.

0745 **0745**

Explanation: 16 GB 4-mm Tape Auto Loader being configured.

0746 **0746**

Explanation: SCSI-2 Fast/Wide PCI Adapter being configured.

0747 **0747**

Explanation: SCSI-2 Differential Fast/Wide PCI Adapter being configured.

0749 **0749**

Explanation: 7331 Model 205 Tape Library being configured.

0751 **0751**

Explanation: SCSI 32-bit SE F/W RAID Adapter being configured.

0754 **0754**

Explanation: 1.1 GB 16-bit SCSI disk drive being configured.

0755 **0755**

Explanation: 2.2 GB 16-bit SCSI disk drive being configured.

0756 **0756**

Explanation: 4.5 GB 16-bit SCSI disk drive being configured.

0757 **0757**

Explanation: External 13 GB 1/4-inch tape being configured.

0763 **0763**

Explanation: SP Switch MX Adapter being configured.

0764 **0764**

Explanation: SP System Attachment Adapter being configured.

0772 **0772**

Explanation: 4.5 GB SCSI F/W Disk Drive being configured.

0773 **0773**

Explanation: 9.1 GB SCSI F/W Disk Drive being configured.

0774 **0774**

Explanation: 9.1 GB External SCSI Disk Drive being configured.

0776 **0776**

Explanation: PCI Token-Ring Adapter being identified or configured.

0777 **0777**

Explanation: 10/100 Ethernet Tx PCI Adapter being identified or configured.

0778 **0778**

Explanation: POWER GXT3000P 3D PCI Graphics adapter being configured.

077B **077B**

Explanation: 4-Port 10/100 Ethernet Tx PCI Adapter being identified or configured.

077C **077C**

Explanation: A 1.0 GB 16-bit SCSI disk drive being identified or configured.

0783 **0783**

Explanation: 4-mm DDS-2 Tape Autoloader being configured.

0789 **0789**

Explanation: 2.6 GB External Optical Drive being configured.

078B **078B**

Explanation: POWER GXT4000P PCI Graphics Adapter.

078D **078D**

Explanation: GXT300P 2D Graphics adapter being configured.

0790 **0790**

Explanation: Multi-bus Integrated Ethernet Adapter being identified or configured.

0797 **0797**

Explanation: TURBOWAYS 155 UTP/STP ATM Adapter being identified or configured.

0798 **0798**

Explanation: Video streamer adapter being identified or configured.

0799 **0799**

Explanation: 2-Port Multiprotocol PCI adapter being identified or configured.

079C **079C**

Explanation: ISA bus configuration executing.

07C0 **07C0**

Explanation: CPU/System Interface being configured.

07C1 **07C1**

Explanation: Business Audio Subsystem being identified or configured.

07CC **07CC**

Explanation: PCMCIA bus configuration executing.

0800 **0800**

Explanation: TURBOWAYS 155 MMF ATM Adapter being identified or configured.

0803 **0803**

Explanation: 7336 Tape Library robotics being configured.

0804 **0804**

Explanation: 8x Speed SCSI-2 CD-ROM Drive being configured.

0806 **0806**

Explanation: POWER GXT800 PCI Graphics adapter being configured.

0807 **0807**

Explanation: SCSI Device Enclosure being configured.

080C **080C**

Explanation: SSA 4-Port Adapter being identified or configured.

0811 **0811**

Explanation: Processor complex being identified or configured.

0812 **0812**

Explanation: Memory being identified or configured.

0813 **0813**

Explanation: Battery for time-of-day, NVRAM, and so on being identified or configured, or system I/O control logic being identified or configured.

0814 **0814**

Explanation: NVRAM being identified or configured.

0815 **0815**

Explanation: Floating-point processor test.

0816 **0816**

Explanation: Operator panel logic being identified or configured.

0817 **0817**

Explanation: Time-of-day logic being identified or configured.

0819 **0819**

Explanation: Graphics input device adapter being identified or configured.

0821 0821

Explanation: Standard keyboard adapter being identified or configured.

0823 0823

Explanation: Standard mouse adapter being identified or configured.

0824 0824

Explanation: Standard tablet adapter being identified or configured.

0825 0825

Explanation: Standard speaker adapter being identified or configured.

0826 0826

Explanation: Serial Port 1 adapter being identified or configured.

0827 0827

Explanation: Parallel port adapter being identified or configured.

0828 0828

Explanation: Standard diskette adapter being identified or configured.

0831 0831

Explanation: 3151 adapter being identified or configured, or Serial Port 2 being identified or configured.

0834 0834

Explanation: 64-port async controller being identified or configured.

0835 0835

Explanation: 16-port async concentrator being identified or configured.

0836 0836

Explanation: 128-port async controller being identified or configured.

0837 0837

Explanation: A 128-port remote asyncronous node (RAN) is being identified or configured.

0838 0838

Explanation: Network Terminal Accelerator Adapter being identified or configured.

0839 0839

Explanation: 7318 Serial Communications Server being configured.

0840 0840

Explanation: PCI Single-Ended Ultra SCSI Adapter being configured.

0841 0841

Explanation: 8-port async adapter (EIA-232) being identified or configured.

0842 0842

Explanation: 8-port async adapter (EIA-422A) being identified or configured.

0843 0843

Explanation: 8-port async adapter (MIL-STD-188) being identified or configured.

0844 0844

Explanation: 7135 RAIDiant Array disk drive subsystem controller being identified or configured.

0845 0845

Explanation: 7135 RAIDiant Array disk drive subsystem drawer being identified or configured.

0846 0846

Explanation: RAIDiant Array SCSI 1.3 GB Disk Drive being configured.

0847 0847

Explanation: 16-port serial adapter (EIA-232) being identified or configured.

0848 **0848**

Explanation: 16-port serial adapter (EIA-422) being identified or configured.

0849 **0849**

Explanation: X.25 Interface Coprocessor/2 adapter being identified or configured.

0850 **0850**

Explanation: Token-Ring network adapter being identified or configured.

0851 **0851**

Explanation: T1/J1 Portmaster adapter being identified or configured.

0852 **0852**

Explanation: Ethernet adapter being identified or configured.

0854 **0854**

Explanation: 3270 Host Connection Program/6000 connection being identified or configured.

0855 **0855**

Explanation: Portmaster Adapter/A being identified or configured.

0857 **0857**

Explanation: FSLA adapter being identified or configured.

0858 **0858**

Explanation: 05085/05086/05088 adapter being identified or configured.

0859 **0859**

Explanation: FDDI adapter being identified or configured.

085C **085C**

Explanation: Token-Ring High-Performance LAN adapter being identified or configured.

0861 **0861**

Explanation: Optical adapter being identified or configured.

0862 **0862**

Explanation: Block Multiplexer Channel Adapter being identified or configured.

0865 **0865**

Explanation: ESCON® Channel Adapter or emulator being identified or configured.

0866 **0866**

Explanation: SCSI adapter being identified or configured.

0867 **0867**

Explanation: Async expansion adapter being identified or configured.

0868 **0868**

Explanation: SCSI adapter being identified or configured.

0869 **0869**

Explanation: SCSI adapter being identified or configured.

0870 **0870**

Explanation: Serial disk drive adapter being identified or configured.

0871 **0871**

Explanation: Graphics subsystem adapter being identified or configured.

0872 **0872**

Explanation: Grayscale graphics adapter being identified or configured.

0874 **0874**

Explanation: Color graphics adapter being identified or configured.

0875 **0875**

Explanation: Vendor generic communication adapter being configured.

0876 **0876**

Explanation: 8-bit color graphics processor being identified or configured.

0877 **0877**

Explanation: POWER Gt3/POWER Gt4 being identified or configured.

0878 **0878**

Explanation: POWER Gt4 graphics processor card being configured.

0879 **0879**

Explanation: A 24-bit color MEV2 type graphics card is being configured.

0880 **0880**

Explanation: POWER Gt1 adapter being identified or configured.

0887 **0887**

Explanation: POWER Gt1 adapter being identified or configured.

0889 **0889**

Explanation: SCSI adapter being identified or configured.

0890 **0890**

Explanation: SCSI-2 Differential Fast/Wide and Single-Ended Fast/Wide Adapter/A being configured.

0891 **0891**

Explanation: Vendor SCSI adapter being identified or configured.

0892 **0892**

Explanation: Vendor display adapter being identified or configured.

0893 **0893**

Explanation: Vendor LAN adapter being identified or configured.

0894 **0894**

Explanation: Vendor async/communications adapter being identified or configured.

0895 **0895**

Explanation: Vendor IEEE 488 adapter being identified or configured.

0896 **0896**

Explanation: Vendor VME bus adapter being identified or configured.

0897 **0897**

Explanation: S/370 Channel Emulator adapter being identified or configured.

0898 **0898**

Explanation: POWER Gt1x graphics adapter being identified or configured.

0899 **0899**

Explanation: 3490 attached tape drive being identified or configured.

089C **089C**

Explanation: A multimedia SCSI CD-ROM being identified or configured.

0900 **0900**

Explanation: GXT110P Graphics Adapter being identified or configured.

0901 **0901**

Explanation: Vendor SCSI device being identified or configured.

0902 **0902**

Explanation: Vendor display device being identified or configured.

0903 **0903**

Explanation: Vendor async device being identified or configured.

0904 **0904**

Explanation: Vendor parallel device being identified or configured.

0905 **0905**

Explanation: A vendor (non-IBM) adapter is being identified or configured.

0908 **0908**

Explanation: POWER GXT1000 ™ Graphics subsystem being identified or configured.

0910 **0910**

Explanation: 1/4 GB Fiber Channel/266 Standard Adapter being identified or configured.

0911 **0911**

Explanation: Fiber Channel/1063 Adapter Short Wave being configured.

0912 **0912**

Explanation: 2.0 GB SCSI-2 differential disk drive being identified or configured.

0913 **0913**

Explanation: 1.0 GB differential disk drive being identified or configured.

0914 **0914**

Explanation: 5 GB 8-mm differential tape drive being identified or configured.

0915 **0915**

Explanation: 4 GB 4-mm tape drive being identified or configured.

0916 **0916**

Explanation: A generic (non-IBM) Non-SCSI tape drive adapter is being identified or configured.

0917 **0917**

Explanation: A 2.0 GB 16-bit differential SCSI disk drive being identified or configured.

0918 **0918**

Explanation: A 2.0 GB 16-bit single-ended SCSI disk drive being identified or configured.

0920 **0920**

Explanation: Bridge Box being identified or configured.

0921 **0921**

Explanation: 101 keyboard being identified or configured.

0922 **0922**

Explanation: 102 keyboard being identified or configured.

0923 **0923**

Explanation: Kanji keyboard being identified or configured.

0924 **0924**

Explanation: Two-button mouse being identified or configured.

0925 **0925**

Explanation: Three-button mouse being identified or configured.

0926 **0926**

Explanation: 5083 tablet being identified or configured.

0927 **0927**

Explanation: 5083 tablet being identified or configured.

0928 **0928**

Explanation: Standard speaker being identified or configured.

0929 **0929**

Explanation: Dials being identified or configured.

0930 **0930**

Explanation: Lighted program function keys (LPFK) being identified or configured.

0931 **0931**

Explanation: IP router being identified or configured.

0933 **0933**

Explanation: Async planar being identified or configured.

0934 **0934**

Explanation: Async expansion drawer being identified or configured.

0935 **0935**

Explanation: 3.5-inch diskette drive being identified or configured.

0936 **0936**

Explanation: 5.25-inch diskette drive being identified or configured.

0937 **0937**

Explanation: An HIPPI adapter being configured.

0938 **0938**

Explanation: Serial HIPPI PCI adapter being configured.

0942 **0942**

Explanation: Serial HIPPI PCI adapter being configured.

0943 **0943**

Explanation: A 3480 or 3490 control unit attached to a System/370 Channel Emulator/A adapter are being identified or configured.

0944 **0944**

Explanation: 100 MB ATM adapter being identified or configured.

0945 **0945**

Explanation: 1.0 GB SCSI differential disk drive being identified or configured.

0946 **0946**

Explanation: A generic (non-IBM) Serial Port 3 adapter is being identified or configured.

0947 **0947**

Explanation: A 730 MB SCSI disk drive being configured.

0948 **0948**

Explanation: Portable disk drive being identified or configured.

0949 **0949**

Explanation: Unknown direct bus-attach device being identified or configured.

0950 **0950**

Explanation: Missing SCSI device being identified or configured.

0951 **0951**

Explanation: 670 MB SCSI disk drive being identified or configured.

0952 **0952**

Explanation: 355 MB SCSI disk drive being identified or configured.

0953 **0953**

Explanation: 320 MB SCSI disk drive being identified or configured.

0954 **0954**

Explanation: 400 MB SCSI disk drive being identified or configured.

0955 **0955**

Explanation: 857 MB SCSI disk drive being identified or configured.

0956 0956

Explanation: 670 MB SCSI disk drive electronics card being identified or configured.

0957 0957

Explanation: 120 MB DBA disk drive being identified or configured.

0958 0958

Explanation: 160 MB Database A dministrator (DBA) disk drive being identified or configured.

0959 0959

Explanation: 160 MB SCSI disk drive being identified or configured.

0960 0960

Explanation: 1.37 GB SCSI disk drive being identified or configured.

0964 0964

Explanation: Internal 20 GB 8-mm tape drive identified or configured.

0968 0968

Explanation: 1.0 GB SCSI disk drive being identified or configured.

0970 0970

Explanation: Half-inch, 9-track tape drive being identified or configured.

0971 0971

Explanation: 150 MB 1/4-inch tape drive being identified or configured.

0972 0972

Explanation: 2.3 GB 8-mm SCSI tape drive being identified or configured.

0973 0973

Explanation: Other SCSI tape drive being identified or configured.

0974 0974

Explanation: CD-ROM drive being identified or configured.

0975 0975

Explanation: An optical disk drive being identified or configured.

0977 0977

Explanation: M-Audio Capture and Playback Adapter being identified or configured.

0981 0981

Explanation: 540 MB SCSI-2 single-ended disk drive being identified or configured.

0984 0984

Explanation: 1 GB 8-bit disk drive being identified or configured.

0985 0985

Explanation: M-Video Capture Adapter being identified or configured.

0986 0986

Explanation: 2.4 GB SCSI disk drive being identified or configured.

0987 0987

Explanation: An Enhanced SCSI CD-ROM drive being identified or configured.

0989 0989

Explanation: 200 MB SCSI disk drive being identified or configured.

0990 0990

Explanation: 2.0 GB SCSI-2 single-ended disk drive being identified or configured.

0991 0991

Explanation: 525 MB 1/4-inch cartridge tape drive being identified or configured.

0994 **0994**

Explanation: 5 GB 8-mm tape drive being identified or configured.

0995 **0995**

Explanation: 1.2GB 1/4-inch cartridge tape drive being identified or configured.

0996 **0996**

Explanation: A single-port, multiprotocol communications adapter being identified or configured.

0997 **0997**

Explanation: FDDI adapter being identified or configured.

0998 **0998**

Explanation: 2.0 GB 4-mm tape drive being identified or configured.

0999 **0999**

Explanation: 7137 or 3514 Disk Array Subsystem being configured.

0D46 **0D46**

Explanation: Token-Ring cable.

0D81 **0D81**

Explanation: T2 Ethernet Adapter being configured.

2000 **2000**

Explanation: Dynamic LPAR CPU Addition

2001 **2001**

Explanation: Dynamic LPAR CPU Removal

2002 **2002**

Explanation: Dynamic LPAR Memory Addition

2003 **2003**

Explanation: Dynamic LPAR Memory Removal

2004 **2004**

Explanation: DLPAR Maximum Memory size too large

2010 **2010**

Explanation: HTX miscompare

2011 **2011**

Explanation: Configuring device model 2107 fcp

2012 **2012**

Explanation: Configuring device model 2107 iscsi

2013 **2013**

Explanation: Configuring MR-1750 (device model 1750) fcp

2014 **2014**

Explanation: Configuring MR-1750 (device model 1750) iscsi

2015 **2015**

Explanation: Configuring SVC (device model 2145) fcp

2016 **2016**

Explanation: Configuring SVCCISCO (device model 2062) fcp

2017 **2017**

Explanation: Configuring SVCCISCO (device model 2062) iscsi

2018 **2018**

Explanation: Configuring Virtual Management Channel driver

2019 **2019**

Explanation: Configuring vty server

201B **201B**

Explanation: Configuring a virtual SCSI optical device

2020 **2020**

Explanation: Configuring InfiniBand ™ ICM kernel component

2021 **2021**

Explanation: Configuring TCP InfiniB and Interface kernel component

2502 **2502**

Explanation: Configuring PCI-X 266 Planar 3 GB SAS integrated adapter

2503 **2503**

Explanation: Configuring PCI-X 266 Planar 3 GB SAS RAID integrated adapter

2504 **2504**

Explanation: Configuring a PCIe x1 Auxiliary Cache a dapter

2505 **2505**

Explanation: Configuring a PCI-X266 Planar 3Gb SAS RAID Adapter

2512 **2512**

Explanation: Configuring PCI-X DDR quad channel Ultra320 SCSI RAID adapter

2513 **2513**

Explanation: Configuring PCI-X DDR quad channel Ultra320 SCSI RAID adapter

2514 **2514**

Explanation: Configuring PCI-X DDR quad channel Ultra320 SCSI RAID adapter

2515 **2515**

Explanation: Configuring a PCI-X DDR JBOD SAS adapter

2516 **2516**

Explanation: Configuring a PCI-X Express DDR JBOD SAS adapter

2517 **2517**

Explanation: Configuring PCI-XDDR RAID SAS adapter

2518 **2518**

Explanation: Configuring PCIe RAID SAS adapter

2519 **2519**

Explanation: Configuring PCI-X DDR RAID Adapter

251D **251D**

Explanation: Configuring PCI-X DDR Auxiliary Cache Controller

2520 **2520**

Explanation: PCI Dual-Channel Ultra-3 SCSI adapter being identified or configured.

2522 **2522**

Explanation: PCI-X Dual Channel Ultra320 SCSI Adapter

2523 **2523**

Explanation: PCI-X Ultra320 SCSI RAID Adapter

2525 **2525**

Explanation: Configuring integrated PCI-X dual channel U320 SCSI RAID enablement card.

2526 **2526**

Explanation: PCI-X Ultra320 SCSI RAID Battery Pack

2527 **2527**

Explanation: PCI-X Quad Channel U320 SCSI RAID Adapter

2528 **2528**

Explanation: PCI-X Dual Channel Ultra320 SCSI adapter

2529 **2529**

Explanation: PCI-X Dual Channel Ultra320 SCSI RAID adapter

252B **252B**

Explanation: PCI-X Dual Channel Ultra320 SCSI RAID adapter

252D **252D**

Explanation: PCI-X DDR Dual Channel Ultra320 SCSI RAID adapter

252E **252E**

Explanation: Configuring PCI-X DDR Auxiliary Cache Adapter

2530 **2530**

Explanation: 10/100 Mbps Ethernet PCI Adapter II being configured.

2531 **2531**

Explanation: Configuring 10 Gigabit-LR Ethernet PCI-X adapter

2532 **2532**

Explanation: Configuring 10 Gigabit-SR Ethernet PCI-X adapter

2533 **2533**

Explanation: 10 GB Ethernet -SR PCI-X 2.0 DDR adapter being configured

2534 **2534**

Explanation: 10 GB Ethernet -LR PCI-X 2.0 DDR adapter being configured

2535 **2535**

Explanation: 4-Port 10/100/1000 Base-TX Ethernet PCI-X Adapter being configured.

2537 **2537**

Explanation: Configuring Ethernet-SX PCIe Adapter

2538 **2538**

Explanation: Configuring Ethernet-TX PCIe Adapter

2547 **2547**

Explanation: Generic 0522 bites per sector SCSI JBOD (not osdisk) Disk Drive

254E **254E**

Explanation: Fibre Channel Expansion Card

2550 **2550**

Explanation: Configuring a POWER GXT4500P graphics adapter

2551 **2551**

Explanation: Configuring a POWER GXT6500P graphics adapter

2562 **2562**

Explanation: Keyboard/Mouse Attachment Card-PCI being configured.

2564 **2564**

Explanation: Keyboard/Mouse Attachment Card-PCI being configured.

2566 **2566**

Explanation: USB 3.5 inch Micro Diskette Drive

2568 **2568**

Explanation: Generic USB CD-ROM Drive

256D **256D**

Explanation: 4Gb Fibre Channel adapter being configured

256E **256E**

Explanation: Configuring a 4-port 10/100/1000 Base-TX PCI express adapter

2570 **2570**

Explanation: Configuring an IBM cryptographic accelerator PCI adapter

2571 **2571**

Explanation: 2-Port PCI Asynchronous EIA-232 Adapter

2572 **2572**

Explanation: PCI-X Cryptographic Coprocessor Card

2576 **2576**

Explanation: Configuring 4-port PCIe Serial Adapter

2578 **2578**

Explanation: Configuring IBM Y4 Cryptographic Coprocessor PCIe Adapter

2580 **2580**

Explanation: Configuring a SCSI accessed fault-tolerant enclosure (SAF-TE) device

2581 **2581**

Explanation: 1 GB iSCSI TOE PCI-X adapter is being configured (copper connector)

2582 **2582**

Explanation: iSCSI protocol device associated with an iSCSI adapter is being configured

2583 **2583**

Explanation: 1 GB iSCSI TOE PCI-X adapter being configured (copper connector)

2584 **2584**

Explanation: IDE DVD-RAM drive being configured

2585 **2585**

Explanation: IDE DVD-ROM drive being configured

2586 **2586**

Explanation: Configuring host Ethernet adapter

2587 **2587**

Explanation: Configuring a slimline DVD-ROM drive

2588 **2588**

Explanation: Configuring a 4.7 GB slimline DVD-RAM drive

2590 **2590**

Explanation: IDE CD-ROM drive being configured

2591 **2591**

Explanation: IDE DVD-ROM drive being configured.

2592 **2592**

Explanation: IDE DVD-ROM drive being configured.

2593 **2593**

Explanation: IDE DVD-RAM drive being configured.

2594 **2594**

Explanation: 4.7 GB IDE slimline DVD-RAM drive

2595 **2595**

Explanation: IDE slimline DVD-ROM drive

25A0 **25A0**

Explanation: I/O Planar Control Logic for IDE devices

25A1 **25A1**

Explanation: Configuring USB Mass Storage Device

25A2 **25A2**

Explanation: Configuring USB DVD-RAM

25B9 **25B9**

Explanation: Ethernet Adapter (Fiber)

25C0 **25C0**

Explanation: Gigabit Ethernet-SX PCI-X adapter

25C1 **25C1**

Explanation: 10/100/1000 base-TX Ethernet PCI-X adapter

25C2 **25C2**

Explanation: Dual Port Gigabit SX Ethernet PCI-X Adapter

25C3 **25C3**

Explanation: 10/100/1000 Base-TX Dual Port PCI-Adapter

25C4 **25C4**

Explanation: Broadcom Dual-Port Gigabit Ethernet PCI-X Adapter

25D0 **25D0**

Explanation: Configuring a PCI audio adapter

25D2 **25D2**

Explanation: LSI SAS adapter

25D3 **25D3**

Explanation: Configuring 2-port 6Gb LSI SAS Expansion adapter

25D5 **25D5**

Explanation: Configuring 4-port 6Gb LSI SAS Expansion adapter

25E5 **25E5**

Explanation: Configuring PCI-E 2D Graphics Adapter

25F8 **25F8**

Explanation: Configuring a 1 GB PCI-X iSCSI TOE Ethernet adapter (copper)

2600 **2600**

Explanation: PCI 64-bit Fibre Channel Arbitrated Loop Adapter being configured.

2601 **2601**

Explanation: PCI 64-bit Fibre Channel Arbitrated Loop Adapter being configured.

2602 **2602**

Explanation: PCI 64-Bit 4 GB fibre channel adapter

2603 **2603**

Explanation: Configuring 4Gb PCIe Fibre Channel Adapter

2606 **2606**

Explanation: Configuring 8Gb FC Dual Port PCIe Adapter

2611 **2611**

Explanation: 36/72 GB 4 mm internal tape drive

2612 **2612**

Explanation: 80/160 GB internal tape drive with VXA2 technology

2613 **2613**

Explanation: 200/400 GB LTO2 Tape drive

2614 **2614**

Explanation: VXA3 160/320 GB Tape Drive

2615 **2615**

Explanation: Configuring a DAT160 80GB tape drive

2616 **2616**

Explanation: Configuring a 36/72GB 4mm Internal Tape Drive

2617 **2617**

Explanation: Configuring a LTO3 400 GB tape drive

2618 **2618**

Explanation: Configuring a SAS 400 GB/1.6 TB Ultrium 4 tape drive

2621 **2621**

Explanation: PCI-X Dual-port 4x HCA Adapter being configured

2624 **2624**

Explanation: 4X PCIe DDR InfiniBand Host Channel adapter

2625 **2625**

Explanation: 4X PCIe QDR InfiniBand Host Channel adapter

2631 **2631**

Explanation: Integrated IDE controller

2640 **2640**

Explanation: IDE Disk Drive, 2.5 inch

2641 **2641**

Explanation: 73 GB SCSI disk drive 68 pin 10K rpm being identified or configured.

2642 **2642**

Explanation: 73 GB SCSI disk drive 80 pin 10K rpm with u3 carrier being identified or configured.

2643 **2643**

Explanation: 73 GB SCSI disk drive 80 pin 10K rpm with u3 carrier being identified or configured. (For OpenPower ™ systems)

2644 **2644**

Explanation: 146 GB SCSI disk drive 68 pin 10K rpm being identified or configured.

2645 **2645**

Explanation: 146 GB SCSI disk drive 80 pin 10K rpm with u3 carrier being identified or configured.

2646 **2646**

Explanation: 146 GB SCSI disk drive 80 pin 10K rpm with u3 carrier being identified or configured. (For OpenPower systems)

2647 **2647**

Explanation: 300 GB SCSI disk drive 68 pin 10K rpm being identified or configured.

2648 **2648**

Explanation: 300 GB SCSI disk drive 80 pin 10K rpm with u3 carrier being identified or configured.

2649 **2649**

Explanation: 300 GB SCSI disk drive 80 pin 10K rpm with u3 carrier being identified or configured. (For OpenPower systems)

264B **264B**

Explanation: 36 GB SCSI disk drive 80 pin 15K rpm with u3 carrier being identified or configured.

264D **264D**

Explanation: 36 GB SCSI disk drive 80 pin 15K rpm with u3 carrier being identified or configured. (For OpenPower systems)

264E **264E**

Explanation: 73 GB SCSI disk drive 80 pin 15K rpm with u3 carrier being identified or configured.

2650 **2650**

Explanation: ESS iSCSI devices being identified or configured.

2651 **2651**

Explanation: SVC being identified or configured.

2652 **2652**

Explanation: SVCCISCOi being identified or configured.

2653 **2653**

Explanation: 73 GB SCSI disk drive 80 pin 15K rpm with u3 carrier being identified or configured. (For HV systems)

2654 **2654**

Explanation: 146 GB SCSI disk drive 80 pin 15K rpm with u3 carrier being identified or configured.

2655 **2655**

Explanation: 146 GB SCSI disk drive 80 pin 15K rpm with u3 carrier being identified or configured. (For OpenPower systems)

2656 **2656**

Explanation: 73 GB SCSI disk drive 80 pin 15K rpm being identified or configured.

2657 **2657**

Explanation: 146 GB SCSI disk drive 80 pin 15K rpm being identified or configured.

2658 **2658**

Explanation: 73 GB SCSI disk drive 80 pin 10K rpm being identified or configured.

2659 **2659**

Explanation: 146 GB SCSI disk drive 80 pin 10K rpm being identified or configured.

265B **265B**

Explanation: 300 GB SCSI disk drive 80 pin 10K rpm being identified or configured.

2667 **2667**

Explanation: An electronics tray, also known as the enclosure services manager is being identified or configured

2670 **2670**

Explanation: 73 GB SFF SAS Disk Drive 10K rpm being identified or configured

2671 **2671**

Explanation: 146 GB SFF SAS Disk Drive 10K rpm being identified or configured

2672 **2672**

Explanation: 300 GB SFF SAS Disk Drive 10K rpm being identified or configured

2680 **2680**

Explanation: A generic SAS adapter is being identified or configured

2681 **2681**

Explanation: DVD tray assembly.

2684 **2684**

Explanation: Configuring 73 GB 15K RPM SFF Disk Drive

2685 **2685**

Explanation: Configuring 146 GB 15K RPM SFF Disk Drive

2687 **2687**

Explanation: Configuring 73 GB SAS SFF Solid State Drive

2690 **2690**

Explanation: Configuring 600 GB 15K RPM SAS Disk Drive

2698 **2698**

Explanation: Configuring 7200 rpm 2TB SATA Drive

2699 **2699**

Explanation: Configuring 600 GB 10K RPM SAS SFF Hard Disk Drive

26D2 **26D2**

Explanation: Configuring 600 GB 10K RPM SFF SAS Disk Drive

26E0 **26E0**

Explanation: Configuring Internal RDX USB Dock

26E1 **26E1**

Explanation: Configuring External RDX USB Dock

26E5 **26E5**

Explanation: Configuring SAS HH LTO-5 Tape Drive

2710 **2710**

Explanation: Configuring OHCI USB Native or 4-port PCIe Adapter

2711 **2711**

Explanation: Configuring Loopback Device

2D01 **2D01**

Explanation: PCI-X Quad Channel U320 SCSI RAID Battery Pack

2D02 **2D02**

Explanation: Generic USB Reference to Controller/Adapter

2D05 **2D05**

Explanation: PCI-X266 Planar 3 GB SAS RAID adapter battery pack

2D07 **2D07**

Explanation: Configuring a PCI X DDR Auxiliary Cache adapter

2D0B **2D0B**

Explanation: PCI express x8 Ext Dual-x4 3Gb SAS RAID adapter being configured.

2D10 **2D10**

Explanation: Configuring RSSM Storage Device

2D14 **2D14**

Explanation: PCI express x8 Planar 3Gb SAS Adapter being configured.

2D15 **2D15**

Explanation: PCI express x8 Planar 3Gb SAS RAID Adapter being configured.

2E01 **2E01**

Explanation: 10Gb Ethernet-SR PCIe Adapter

2E02 **2E02**

Explanation: 10Gb Ethernet-LR PCIe Adapter

2E03 **2E03**

Explanation: Configuring 10Gb Ethernet-SR PCIe Host Bus Adapter

2E04 **2E04**

Explanation: Configuring 10Gb Ethernet-CX4 PCIe Host Bus Adapter

2E12 **2E12**

Explanation: 8 Gb Fibre Channel adapter being configured

2E20 **2E20**

Explanation: Configuring 10Gb PCIe FCoE CNA Slot FC Adapter

2E22 **2E22**

Explanation: Configuring 10Gb PCIe FCoE CNA Slot Ethernet Adapter

2E30 **2E30**

Explanation: Configuring 10Gb PCIe SFP+ SR Ethernet Adapter

2E31 **2E31**

Explanation: Configuring 10Gb PCIe SFP+ Twinax Ethernet Adapter

2E34 **2E34**

Explanation: Configuring 1Gb 2-port PCIe Ethernet Adapter

2E35 **2E35**

Explanation: Configuring PCIe Combo 8Gb FC with 1Gb Ethernet

2E36 **2E36**

Explanation: Configuring 1Gb 2-port PCIe Integrated Ethernet Adapter

3000 **3000**

Explanation: GPFS Raid Services

Chapter 3. AIX diagnostic load progress indicators

This section contains a list of the various numbers and characters that display in the operator panel display that track the progress of diagnostics.

Note: Some systems might produce 4-digit codes. If the leftmost digit of a 4-digit code is 0, use the three rightmost digits.

C00 **C00**

Explanation: AIX Install/Maintenance loaded successfully.

C01 **C01**

Explanation: Insert the first diagnostic diskette.

C02 **C02**

Explanation: Diskettes inserted out of sequence.

C03 **C03**

Explanation: The wrong diskette is in diskette drive.

C04 **C04**

Explanation: The loading stopped with an irrecoverable error.

C05 **C05**

Explanation: A diskette error occurred.

C06 **C06**

Explanation: The **rc.boot** configuration shell script is unable to determine type of boot.

C07 **C07**

Explanation: Insert the next diagnostic diskette.

C08 **C08**

Explanation: RAM file system started incorrectly.

C09 **C09**

Explanation: The diskette drive is reading or writing a diskette.

C20 **C20**

Explanation: An unexpected halt occurred, and the system is configured to enter the kernel debug program instead of entering a system dump.

C21 **C21**

Explanation: The **ifconfig** command was unable to configure the network for the client network host.

C22 **C22**

Explanation: The **tftp** command was unable to read client's *ClientHostName* **.info** file during a client network boot.

C24 **C24**

Explanation: Unable to read client's *ClientHostName* **.info** file during a client network boot.

C25 **C25**

Explanation: Client did not mount remote miniroot during network install.

C26 **C26**

Explanation: Client did not mount the **/usr** file system during the network boot.

C29 **C29**

Explanation: The system was unable to configure the network device.

C31 **C31**

Explanation: Select the console display for the diagnostics. To select No console display, set the key mode switch to Normal, then to Service. The diagnostic programs then load and run the diagnostics automatically. If you continue to get the message, check the cables and make sure you are using the serial port.

C32 **C32**

Explanation: A directly attached display (HFT) was selected.

C33 **C33**

Explanation: A TTY terminal attached to serial ports S1 or S2 was selected.

C34 **C34**

Explanation: A file was selected. The console messages store in a file.

C35 **C35**

Explanation: No console found.

C40 **C40**

Explanation: Configuration files are being restored.

C41 **C41**

Explanation: Could not determine the boot type or device.

C42 **C42**

Explanation: Extracting data files from diskette.

C43 **C43**

Explanation: Cannot access the boot/install tape.

C44 **C44**

Explanation: Initializing installation database with target disk information.

C45 **C45**

Explanation: Cannot configure the console.

C46 **C46**

Explanation: Normal installation processing.

C47 **C47**

Explanation: Could not create a physical volume identifier (PVID) on disk.

C48 **C48**

Explanation: Prompting you for input.

C49 **C49**

Explanation: Could not create or form the JFS log.

C50 **C50**

Explanation: Creating root volume group on target disks.

C51 **C51**

Explanation: No paging devices were found.

C52 **C52**

Explanation: Changing from RAM environment to disk environment.

C53 **C53**

Explanation: Not enough space in the **/tmp** directory to do a preservation installation.

C54 **C54**

Explanation: Installing either BOS or additional packages.

C55 **C55**

Explanation: Could not remove the specified logical volume in a preservation installation.

C56 **C56**

Explanation: Running user-defined customization.

C57 **C57**

Explanation: Failure to restore BOS.

C58 **C58**

Explanation: Displaying message to turn the key.

C59 **C59**

Explanation: Could not copy either device special files, device ODM, or volume group information from RAM to disk.

C61 **C61**

Explanation: Failed to create the boot image.

C62 **C62**

Explanation: Loading platform dependent debug files.

C63 **C63**

Explanation: Loading platform dependent data files.

C64 **C64**

Explanation: Failed to load platform dependent data files.

C70 **C70**

Explanation: Problem Mounting diagnostic boot media. An example of the boot media would be a CD-ROM disc.

C71 **C71**

Explanation: A IX diagnostics are not supported on this system, or there is not enough memory to run the diagnostics.

C72 **C72**

Explanation: There is a problem copying files from the diagnostic boot media into the RAM file system. An example of the boot media would be a CD-ROM disc.

C99 **C99**

Explanation: Diagnostics have completed. This code is only used when there is no console.

Chapter 4. Dump progress indicators (dump status codes)

The following dump progress indicators, or dump status codes, are part of a Type 102 message.

Note: When a lowercase c is listed, it displays in the lower half of the character position. Some systems produce 4-digit codes. The two leftmost positions can have blanks or zeros. Use the two rightmost digits.

0C0 **0C0**

Explanation: The dump completed successfully.

0C1 **0C1**

Explanation: The dump failed due to an I/O error.

0C2 **0C2**

Explanation: A dump, requested by the user, is started.

0C3 **0C3**

Explanation: The dump is inhibited.

0C4 **0C4**

Explanation: The dump device is not large enough.

0C5 **0C5**

Explanation: The dump did not start, or the dump crashed.

0C6 **0C6**

Explanation: Dumping to a secondary dump device.

0C7 **0C7**

Explanation: Reserved.

0C8 **0C8**

Explanation: The dump function is disabled.

0C9 **0C9**

Explanation: A dump is in progress.

0CC **0CC**

Explanation: Unknown dump failure.

Chapter 5. AIX crash progress codes (category 1)

Crash codes produce a Type 102 message. A Type 102 message indicates that a software or hardware error occurred during system execution of an application.

For category 1 crash codes, dump analysis is the appropriate first action in Problem Determination. Begin the Problem Determination process with software support.

888-102-300 888-102-300

Explanation: Data storage interrupt from the processor.

888-102-32X 888-102-32X

Explanation: Data storage interrupt because of an I/O exception from IOCC.

888-102-38X 888-102-38X

Explanation: Data storage interrupt because of an I/O exception from SLA.

888-102-400 888-102-400

Explanation: Instruction storage interrupt.

888-102-700 888-102-700

Explanation: Program interrupt.

Chapter 6. AIX crash progress codes (category 2)

Crash codes produce a Type 102 message. A Type 102 message indicates that a software or hardware error occurred during system execution of an application.

For category 2 crash codes, dump analysis most likely will not aid in Problem Determination. Begin the Problem Determination process with hardware support.

888-102-200 888-102-200

Explanation: Machine check because of a memory bus error.

888-102-201 888-102-201

Explanation: Machine check because of a memory timeout.

888-102-202 888-102-202

Explanation: Machine check because of a memory card failure.

888-102-203 888-102-203

Explanation: Machine check because of an out of range address.

888-102-204 888-102-204

Explanation: Machine check because of an attempt to write to ROS.

888-102-205 888-102-205

Explanation: Machine check because of an uncorrectable address parity.

888-102-206 888-102-206

Explanation: Machine check because of an uncorrectable ECC error.

888-102-207 888-102-207

Explanation: Machine check because of an unidentified error.

888-102-208 888-102-208

Explanation: Machine check due to an L2 uncorrectable ECC.

888-102-500 888-102-500

Explanation: External interrupt because of a scrub memory bus error.

888-102-501 888-102-501

Explanation: External interrupt because of an unidentified error.

888-102-51X 888-102-51X

Explanation: External interrupt because of a DMA memory bus error.

888-102-52X 888-102-52X

Explanation: External interrupt because of an IOCC channel check.

888-102-53X 888-102-53X

Explanation: External interrupt from an IOCC bus timeout; x represents the IOCC number.

888-102-54X 888-102-54X

Explanation: External interrupt because of an IOCC keyboard check.

888-102-800 888-102-800

Explanation: Floating point is not available.

Chapter 7. AIX crash progress codes (category 3)

Crash codes produce a Type 102 message. A Type 102 message indicates that a software or hardware error occurred during system execution of an application.

For category 3 crash codes, both software and hardware support may be needed in Problem Determination. Go to the 888 sequence in the operator panel display to assist in problem isolation.

888-102-000 888-102-000

Explanation: Unexpected system interrupt.

888-102-558 888-102-558

Explanation: There is not enough memory to continue the system IPL.

888-102-600 888-102-600

Explanation: AIX 4.3.3.3 and above: Alignment Interrupt. If pre-AIX 4.3.3.3: AIX has crashed because the Portability Assist Layer (PAL) for this machine type has detected a problem.

888-102-605 888-102-605

Explanation: AIX 4.3.3.3 and above: AIX has crashed because the Portability Assist Layer (PAL) for this machine type has detected a problem.

Chapter 8. (C1xx) Service processor progress codes

C10010XX C10010XX

Explanation: Pre-standby

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1001F00 C1001F00

Explanation: Pre-standby: starting initial transition file

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1001F0D C1001F0D

Explanation: Pre-standby: discovery completed in initial transition file.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

Problem determination: While this checkpoint is being displayed, the service processor card is reading the system VPD; this may take as long as 15 minutes (on systems with maximum configurations or many disk drives) before displaying the next checkpoint. You should wait at least 15 minutes for this checkpoint to change before deciding that the system is hung.

C1001F0F C1001F0F

Explanation: Pre-standby: waiting for standby synchronization from initial transition file

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1001FFF C1001FFF

Explanation: Pre-standby: completed initial transition file

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1009X01 C1009X01

Explanation: Hardware object manager: (HOM): the cancontinue flag is being cleared.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1009X02 C1009X02

Explanation: Hardware object manager: (HOM): erase HOM IPL step in progress.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1009X04 C1009X04

Explanation: Hardware object manager: (HOM): build cards IPL step in progress.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1009X08 C1009X08

Explanation: Hardware object manager: (HOM): build processors IPL step in progress.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1009X0C C1009X0C

Explanation: Hardware object manager: (HOM): build chips IPL step in progress.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1009X10 C1009X10

Explanation: Hardware object manager: (HOM): initialize HOM.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1009X14 C1009X14

Explanation: Hardware object manager: (HOM): validate HOM.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1009X18 C1009X18

Explanation: Hardware object manager: (HOM): GARD in progress.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1009X1C C1009X1C

Explanation: Hardware object manager: (HOM): clock test in progress.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1009X20 C1009X20

Explanation: Frequency control IPL step in progress.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1009X24 C1009X24

Explanation: Asset protection IPL step in progress.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1009X28 C1009X28

Explanation: Memory configuration IPL step in progress.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1009X2C C1009X2C

Explanation: Processor CFAM initialization in progress.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1009X30 C1009X30

Explanation: Processor self-synchronization in progress.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1009X34 C1009X34

Explanation: Processor mask attentions being initializaed.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1009X38 C1009X38

Explanation: Processor check ring IPL step in progress.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1009X39 C1009X39

Explanation: Processor L2 line delete in progress.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1009X3A C1009X3A

Explanation: Load processor gptr IPL step in progress.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1009X3C C1009X3C

Explanation: Processor ABIST step in progress.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1009X40 C1009X40

Explanation: Processor LBIST step in progress.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1009X44 C1009X44

Explanation: Processor array initialization step in progress.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1009X46 C1009X46

Explanation: Processor AVP initialization step in progress.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1009X48 C1009X48

Explanation: Processor flush IPL step in progress.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1009X4C C1009X4C

Explanation: Processor wiretest IPL step in progress.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1009X50 C1009X50

Explanation: Processor long scan IPL step in progress.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1009X54 C1009X54

Explanation: Start processor clocks IPL step in progress.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1009X58 C1009X58

Explanation: Processor SCOM initialization step in progress.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1009X5C C1009X5C

Explanation: Processor interface alignment procedure in progress.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1009X5E C1009X5E

Explanation: Processor AVP L2 test case in progress.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1009X60 C1009X60

Explanation: Processor random data test in progress.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1009X64 C1009X64

Explanation: Processor enable machine check test in progress.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1009X66 C1009X66

Explanation: Concurrent intialization in progress.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1009X68 C1009X68

Explanation: Processor fabric initialization step in progress.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1009X6C C1009X6C

Explanation: Processor PSI initialization step in progress.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1009X70 C1009X70

Explanation: ASIC CFAM initialization step in progress.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1009X74 C1009X74

Explanation: ASIC mask attentions being set up.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1009X78 C1009X78

Explanation: ASIC check rings being set up.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1009X7C C1009X7C

Explanation: ASIC ABIST test being run.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1009X80 C1009X80

Explanation: ASIC LBIST test being run.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1009X82 C1009X82

Explanation: ASIC RGC being reset.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1009X84 C1009X84

Explanation: ASIC being flushed.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1009X88 C1009X88

Explanation: ASIC long scan initialization in progress.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1009X8C C1009X8C

Explanation: ASIC start clocks in progress.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1009X90 C1009X90

Explanation: Wire test in progress.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1009X92 C1009X92

Explanation: ASIC restore erepair in progress.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1009X94 C1009X94

Explanation: ASIC transmit/receive initialization step in progress.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1009X98 C1009X98

Explanation: ASIC wrap test in progress.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1009X9C C1009X9C

Explanation: ASIC SCOM initialization step in progress.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1009X9E C1009X9E

Explanation: ASIC HSS set up in progress.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1009XA0 C1009XA0

Explanation: ASIC onyx BIST in progress.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1009XA4 C1009XA4

Explanation: ASIC interface alignment step in progress.

Response: Perform isolation procedure FSPSPC1. To

locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1009XA8 C1009XA8

Explanation: ASIC random data test in progress.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1009XAC C1009XAC

Explanation: ASIC enable machine check step in progress.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1009XB0 C1009XB0

Explanation: ASIC I/O initialization step in progress.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1009XB4 C1009XB4

Explanation: ASIC DRAM initialization step in progress.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1009XB8 C1009XB8

Explanation: ASIC memory diagnostic step in progress.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1009XB9 C1009XB9

Explanation: PSI diagnostic step in progress.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1009XBB C1009XBB

Explanation: Restore L3 line delete step in progress.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1009XBD C1009XBD

Explanation: AVP memory test case in progress.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1009XC0 C1009XC0

Explanation: Node interface alignment procedure in progress.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1009XC4 C1009XC4

Explanation: Dump initialization step in progress.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1009XC8 C1009XC8

Explanation: Start PRD step in progress.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1009XCC C1009XCC

Explanation: Message passing waiting period has begun.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1009XD0 C1009XD0

Explanation: Message passing waiting period has begun.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1009XD4 C1009XD4

Explanation: EI (Elastic Interface) calibration step in progress .

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C100B101 C100B101

Explanation: Firmware update via the USB port on the service processor: the firmware image is being installed on one side of the flash.

C100B102 C100B102

Explanation: Firmware update via the USB port on the service processor: the firmware image is being installed on the other side of the flash.

C100B103 C100B103

Explanation: Firmware update via the USB port on the service processor: the firmware installation has been completed successfully. This checkpoint will stay in the control (operator) panel's display for about 10 seconds after the installation is complete, then it will be cleared.

C100B104 C100B104

Explanation: Firmware update via the USB port on the service processor: the firmware installation has failed.

C100C100 C100C100

Explanation: Starting power-up.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C100C102 C100C102

Explanation: Network initialization complete; waiting on VPD from processor.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C100C103 C100C103

Explanation: Waiting on VPD from processor.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C100C104 C100C104

Explanation: Processor VPD collection is complete.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C100C106 C100C106

Explanation: Checking of the number of processors is complete.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C100C107 C100C107

Explanation: Waiting on VPD from sensors.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C100C108 C100C108

Explanation: Sensor VPD collection is complete.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C100C10A C100C10A

Explanation: Waiting for BPC's IP addresses to be sent from the HMC. The control panel toggles between C100C10A and C100C10B every 5 seconds or so until the addresses are received.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C100C10B C100C10B

Explanation: Waiting for BPC's IP address es to be sent from the HMC.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C100C10C C100C10C

Explanation: Waiting for the BPC to come up to standby and turn off block power. The control panel toggles between C100C10C and C100C10D every 5 seconds or so until the BPC is at standy and the block power has been turned off.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C100C10D C100C10D

Explanation: Waiting for the BPC to come up to standby and turn off block power.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation

Procedures chapter in your host server Service Guide.

C100C110 C100C110

Explanation: Waiting for serial polling. The control panel toggles between C100C110 and C100C111 every 5 seconds or so until valid PBC UART data is received from the DCAs.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C100C111 C100C111

Explanation: Waiting for serial polling.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C100C112 C100C112

Explanation: Collecting the TMS is complete.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C100C114 C100C114

Explanation: Waiting for the BPC to respond to the TMS command from SPCN. The control panel toggles between C100C114 and C100C115 every 5 seconds or so until the BPC has responded.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C100C115 C100C115

Explanation: Waiting for the BPC to respond to the TMS command from SPCN.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C100C116 C100C116

Explanation: Waiting for the BPC to respond to the enclosure TMS command from SPCN. The control panel toggles between C100C116 and C100C117 every 5 seconds or so until the BPC has responded.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C100C117 C100C117

Explanation: Waiting for the BPC to respond to the enclosure TMS command from SPCN.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C100C118 C100C118

Explanation: Waiting for the BPC to respond to the secure VPD command from SPCN. The control panel toggles between C100C118 and C100C119 every 5 seconds or so until the BPC has responded.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C100C119 C100C119

Explanation: Waiting for the BPC to respond to the secure VPD command from SPCN.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C100C120 C100C120

Explanation: Waiting for power off delay to be complete.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C100C121 C100C121

Explanation: Waiting for power off delay to be complete.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C100C122 C100C122

Explanation: Power off delay is complete.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C100C128 C100C128

Explanation: Waiting for the processor subsystem to show up in the BPC polling data. The control panel toggles between C100C128 and C100C129 every 5 seconds or so until the processor subsystem is present in the polling data.

Response: Perform isolation procedure FSPSPC1. To

locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C100C129 C100C129

Explanation: Waiting for the processor subsystem to show up in the BPC polling data.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C100C140 C100C140

Explanation: Checking the voltage adjustment.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C100C142 C100C142

Explanation: Checking of the voltage adjustment is complete.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C100C14E C100C14E

Explanation: Waiting for the voltage adjustment delay to be complete.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C100C14F C100C14F

Explanation: Waiting for the voltage adjustment delay to be complete.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C100C150 C100C150

Explanation: Checking the VRM voltage adjustment.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C100C152 C100C152

Explanation: Waiting for the VRM voltage adjustment delay to be complete.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C100C153 C100C153

Explanation: Waiting for the VRM voltage adjustment delay to be complete.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C100C154 C100C154

Explanation: Checking of the VRM voltage adjustment is complete.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C100C160 C100C160

Explanation: Power check in progress.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C100C162 C100C162

Explanation: Checking for power supply power.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C100C164 C100C164

Explanation: Waiting for the power supply power to come up.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C100C165 C100C165

Explanation: Waiting for the power supply power to come up.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C100C166 C100C166

Explanation: REGS power check in progress.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C100C168 C100C168

Explanation: Waiting for the REGS power check to be complete.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C100C169 C100C169

Explanation: Waiting for the REGS power check to be complete.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C100C170 C100C170

Explanation: Waiting for the BPC's response to the power-on request.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C100C171 C100C171

Explanation: Waiting for the BPC's response to the power-on request.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C100C172 C100C172

Explanation: BPC's response to the power-on request has been received; waiting on all processor subsystems to respond with **powered up** to BPC's polling query. The control panel toggles between C100C172 and C100C173 every 5 seconds or so until all processor subsystems report that they are powered up.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C100C173 C100C173

Explanation: Waiting on all processor subsystems to respond with **powered up** to BPC's polling query.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C100C174 C100C174

Explanation: Waiting for the BPC to report why power-on failed. The control panel toggles between C100C174 and C100C175 every 5 seconds or so until the report is received.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C100C175 C100C175

Explanation: Waiting for the BPC to report why power-on failed.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C100C180 C100C180

Explanation: Activating the power good signals.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C100C184 C100C184

Explanation: The power-on delay is complete.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C100C1A0 C100C1A0

Explanation: Waiting on the power good signals.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C100C1A1 C100C1A1

Explanation: Waiting on the power good signals.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C100C1A2 C100C1A2

Explanation: Waiting on the power good signal is complete.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C100C1B0 C100C1B0

Explanation: Waiting to power down.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C100C1B1 C100C1B1

Explanation: Waiting to power down.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C100C1B2 C100C1B2

Explanation: The power down delay is complete.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C100C1B4 C100C1B4

Explanation: The SPCN is waiting for power down.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C100C1B5 C100C1B5

Explanation: The SPCN is waiting for power down.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C100C1B6 C100C1B6

Explanation: Powering down the device is complete.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C100C1B7 C100C1B7

Explanation: Reserved.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C100C1B8 C100C1B8

Explanation: The request to power off the processor subsystem is conplete.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C100C1BA C100C1BA

Explanation: Waiting on the BPC to respond to the power-off command to the I/O drawers from SPCN. The control panel toggles between C100C1BA and C100C1BB every 5 seconds or so until the I/O drawers respond.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C100C1BB C100C1BB

Explanation: Waiting on the BPC to respond to the power-off command to the I/O drawers from SPCN.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C100C1BE C100C1BE

Explanation: The power down operation is complete.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C100C1CF C100C1CF

Explanation: A critical fault has occured. An SRC will be posted and logged soon.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C100C1FF C100C1FF

Explanation: The power-on process is complete.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C100D009 C100D009

Explanation: Licensed Internal Code (system) running initialization

C1011F00 C1011F00

Explanation: Pre-standby: starting independent initial transition file (primary/secondary)

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1011FFF C1011FFF

Explanation: Pre-standby: completed independent initial transition file (primary/secondary)

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1021F00 C1021F00

Explanation: Pre-standby: starting primaryInitial transition file (primary)

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1021FFF C1021FFF

Explanation: Pre-standby: completed primaryInitial transition file (primary)

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1031F00 C1031F00

Explanation: Pre-standby: starting secondaryInitial transition file (secondary)

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1031FFF C1031FFF

Explanation: Pre-standby: completed secondaryInitial transition file (secondary)

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C103A1XX C103A1XX

Explanation: Hypervisor code modules are being transferred to system storage

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C103A2XX C103A2XX

Explanation: Hypervisor data areas are being built in system storage

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C103A3XX C103A3XX

Explanation: Hypervisor data structures are being transferred to system storage

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C103A400 C103A400

Explanation: Special purpose registers are loaded and instructions are started on the system processors

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C103A401 C103A401

Explanation: Instructions have been started on the system processors

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C103C2XX C103C2XX

Explanation: The service processor is waiting for the batteries in the uninterruptible power supply (UPS) to charge prior to automatic power on-IPL. The last byte (xx) will increment while waiting on the UPS batteries.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1041F00 C1041F00

Explanation: Pre-standby: starting GardedInitial transition file (secondary)

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1041FFF C1041FFF

Explanation: Pre-standby: completed GardedInitial transition file (secondary)

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C104550X C104550X

Explanation: The system reboot is waiting until the sibling service processor reaches the termination state. The last nibble (x) will toggle between 0 and 1.

C10F2000 C10F2000

Explanation: Halt: starting halt transition file

C10F20FF C10F20FF

Explanation: Halt: completing halt transition file

C1112000 C1112000

Explanation: Power on: starting Standby-PowerOnTransition transition file (primary)

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C11120FF C11120FF

Explanation: Power on: completed Standby-PowerOnTransition transition file (primary)

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1122000 C1122000

Explanation: Power on: starting PowerOnTransition-PoweredOn transition file (primary)

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C11220FF C11220FF

Explanation: Power on: completed PowerOnTransition-PoweredOn transition file (primary)

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1132000 C1132000

Explanation: Power on: starting PoweredOn-IplTransition transition file (primary)

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C11320FF C11320FF

Explanation: Power on: completed PoweredOn-IplTransition transition file (primary)

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C115E359 C115E359

Explanation: Vital product data (VPD) collection in progress. This progress code may be displayed for a long time on large systems.

Response: Perform isolation procedure FSPSPC1 only if this progress code does not appread to be updating after an hour or more. To locate the isolation procedure go to the Isolation Procedures chapter in your host server service guide.

C116C2XX C116C2XX

Explanation: System power interface is listening for power fault events from SPCN. The last byte (xx) will increment up from 00 to 1F every second while it waits.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1202000 C1202000

Explanation: IPL transition: starting PowerOn/IplTransition-Ipl transition file (primary)

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C12020FF C12020FF

Explanation: IPL transition: completed PowerOn/IplTransition-Ipl transition file (primary)

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C12040XX C12040XX

Explanation: IPL lock time left until expiration. The last byte (xx) will count down as the IPL lock time runs out (FF-00).

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1212000 C1212000

Explanation: IPL transition: starting Standard/IplTransition-Ipl transition file (primary)

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C12120FF C12120FF

Explanation: IPL transition: completed Standard/IplTransition-Ipl transition file (primary)

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1222000 C1222000

Explanation: IPL transition: starting Flash/IplTransition-Ipl transition file (primary)

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C12220FF C12220FF

Explanation: IPL transition: completed Flash/IplTransition-Ipl transition file (primary)

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1232000 C1232000

Explanation: IPL transition: starting PostDump/IplTransition-Ipl transition file (primary)

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C12320FF C12320FF

Explanation: IPL transition: completed PostDump/IplTransition-Ipl transition file (primary)

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1242000 C1242000

Explanation: IPL transition: starting Idle/IplTransition-Ipl transition file (secondary)

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C12420FF C12420FF

Explanation: IPL transition: completed Idle/IplTransition-Ipl transition file (secondary)

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1252000 C1252000

Explanation: IPL transition: starting Standby/IplTransition-Ipl transition file (secondary)

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C12520FF C12520FF

Explanation: IPL transition: completed Standby/IplTransition-Ipl transition file (secondary)

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1382000 C1382000

Explanation: IPL: starting HostStarted-BcuSwitched transition file (primary)

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C13820FF C13820FF

Explanation: IPL: completed HostStarted-BcuSwitched transition file (primary)

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1392000 C1392000

Explanation: IPL: starting BcuSwitched-Runtime transition file (primary)

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C13920FF C13920FF

Explanation: IPL: completed BcuSwitched-Runtime transition file (primary)

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1402000 C1402000

Explanation: IPL: starting Normal/fast/Ipl-HostStarted transition file (primary)

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C14020FF C14020FF

Explanation: IPL: completed Normal/fast/Ipl-HostStarted transition file (primary)

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1412000 C1412000

Explanation: IPL: starting Normal/slow/Ipl-HostStarted transition file (primary)

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C14120FF C14120FF

Explanation: IPL: completed Normal/slow/Ipl-HostStarted transition file (primary)

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1422000 C1422000

Explanation: IPL: starting PostDump/Ipl-HostStarted transition file (primary)

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C14220FF C14220FF

Explanation: IPL: completed PostDump/Ipl-HostStarted transition file (primary)

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1432000 C1432000

Explanation: IPL: starting Ipl-IdleTransition transition file (secondary)

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C14320FF C14320FF

Explanation: IPL: completed Ipl-IdleTransition transition file (secondary)

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1442000 C1442000

Explanation: IPL: starting IdleTransition-Idle transition file (secondary)

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C14420FF C14420FF

Explanation: IPL: completed IdleTransition-Idle transition file (secondary)

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1452000 C1452000

Explanation: IPL: starting Ipl-StandbyVerificationTransition transition file (secondary)

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C14520FF C14520FF

Explanation: IPL: completed Ipl-StandbyVerificationTransition transition file (secondary)

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1462000 C1462000

Explanation: IPL: starting StandbyVerificationTransition-Standby transition file (secondary)

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C14620FF C14620FF

Explanation: IPL: completed StandbyVerificationTransition-Standby transition file (secondary)

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1472000 C1472000

Explanation: IPL: starting normal/ipl-hoststarted transition file (master)

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C14720FF C14720FF

Explanation: IPL: completing normal/ipl-hoststarted transition file (master)

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1482000 C1482000

Explanation: IPL: starting normal/backup/ipl-hoststarted transition file (secondary)

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C14820FF C14820FF

Explanation: IPL: completing normal/backup/ipl-hoststarted transition file (secondary)

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C162E402 C162E402

Explanation: If the system hangs on this checkpoint, the service processor is unable to collect VPD from the service processor.

Failing Item:

- SVCPROC

C162E403 C162E403

Explanation: If the system hangs on this checkpoint, the service processor is unable to collect VPD from the operator panel.

Failing Item:

- CTLPNL

C162E405 C162E405

Explanation: If the system hangs on this checkpoint, the service processor is unable to collect VPD from the VPD card.

Failing Item:

- CAPACTY

C162E408 C162E408

Explanation: If the system hangs on this checkpoint, the service processor is unable to collect VPD from the system backplane.

Failing Item:

- SYSBKPL

C162E410 C162E410

Explanation: If the system hangs on this checkpoint, the service processor is unable to collect VPD from a processor.

Failing Item:

- ANYPROC

C162E41C C162E41C

Explanation: If the system hangs on this checkpoint, the service processor is unable to collect VPD from the system.

Failing Item:

- CAPACTY

C162E41E C162E41E

Explanation: If the system hangs on this checkpoint, the service processor is unable to collect VPD from the enclosure.

Failing Item:

- SYSBKPL

C162E420 C162E420

Explanation: If the system hangs on this checkpoint, the service processor is unable to collect VPD from the IO backplane.

Failing Item:

- IO_HUB

C162E421 C162E421

Explanation: If the system hangs on this checkpoint, the service processor is unable to collect VPD from the IO hub.

Failing Item:

- IO_HUB

C162E430 C162E430

Explanation: If the system hangs on this checkpoint, the service processor is unable to collect VPD from SPCN.

Failing Item:

- SVCPROC

C162E4A0 C162E4A0

Explanation: If the system hangs on this checkpoint, the service processor is unable to collect VPD from the VSBP Starting Point.

Failing Item:

- CAPACTY

C162E4D0 C162E4D0

Explanation: If the system hangs on this checkpoint, the service processor is unable to collect VPD from memory DIMM.

Failing Item:

- MEMDIMM

C1645300 C1645300

Explanation: Starting a data synchronization operation between the primary service processor and the secondary service processor.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1645301 C1645301

Explanation: Completed a data synchronization operation between the primary service processor and the secondary service processor.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1645304 C1645304

Explanation: Redundancy enablement in progress.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1645305 C1645305

Explanation: Redundancy enablement in progress.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1645306 C1645306

Explanation: Redundancy enablement in progress.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C16453XX C16453XX

Explanation: A large data synchronization operation from the primary service processor to the secondary service processor is taking place. The last nibble (x) will toggle between 2 and 3.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1802000 C1802000

Explanation: Termination: starting TerminationTransition-Termination transition file (primary)

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C18020FF C18020FF

Explanation: Termination: completed TerminationTransition-Termination transition file (primary)

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1902000 C1902000

Explanation: Power off: starting Any-Dpo transition file (primary)

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C19020FF C19020FF

Explanation: Power off: completed Any-Dpo transition file (primary)

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1912000 C1912000

Explanation: Power off: starting Any-PowerOffTransition transition file (primary)

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C19120FF C19120FF

Explanation: Power off: completed Any-PowerOffTransition transition file (primary)

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1922000 C1922000

Explanation: Power off: starting PowerOffTransition-PoweredOff transition file (primary)

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C19220FF C19220FF

Explanation: Power off: completed PowerOffTransition-PoweredOff transition file (primary)

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1C02000 C1C02000

Explanation: Secondary VERIFICATION: starting Standby-StandbyVerification transition file (primary)

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1C020FF C1C020FF

Explanation: Secondary verification: completed Standby-StandbyVerification transition file (primary)

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1C12000 C1C12000

Explanation: Secondary verification: starting StandbyVerification-Standby transition file (primary)

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1C120FF C1C120FF

Explanation: Secondary verification: completed StandbyVerification-Standby transition file (primary)

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1C22000 C1C22000

Explanation: Secondary verification: starting Runtime-secondaryVerification transition file (primary)

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1C220FF C1C220FF

Explanation: Secondary verification: completed Runtime-secondaryVerification transition file (primary)

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1C32000 C1C32000

Explanation: Secondary verification: starting secondaryVerification-Runtime transition file (primary)

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1C320FF C1C320FF

Explanation: Secondary verification: completed secondaryVerification-Runtime transition file (primary)

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1C3C218 C1C3C218

Explanation: The service processor is polling the system power control network (SPCN) firmware looking for power fault events.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1C42000 C1C42000

Explanation: Failover: starting failover/failover-termination transition file (master)

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1C420FF C1C420FF

Explanation: Failover: completed failover/failover-termination transition file (master)

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1C52000 C1C52000

Explanation: Failover: starting failover/backup/failover-termination transition file (secondary)

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1C520FF C1C520FF

Explanation: Failover: completed failover/backup/failover-termination transition file (secondary)

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1C62000 C1C62000

Explanation: Failover: starting failover/failover-runtime transition file (master).

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1C620FF C1C620FF

Explanation: Failover: completed failover/failover-runtime transition file (master).

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1C72000 C1C72000

Explanation: Failover: starting failover/backup/failover-standby transition file (secondary)

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1C720FF C1C720FF

Explanation: Failover: completed failover/backup/failover-standby transition file (secondary)

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1CA2000 C1CA2000

Explanation: Connection monitoring failover: starting survfailover/backup/failover-runtime transition file (secondary)

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1CA20FF C1CA20FF

Explanation: Connection monitoring failover: completed survfailover/backup/failover-runtime transition file (secondary)

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1CB2000 C1CB2000

Explanation: Connection monitoring failover: starting survfailover/backup/failover-termination transition file (secondary)

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1CB20FF C1CB20FF

Explanation: Connection monitoring failover: completed survfailover/backup/failover-termination transition file (secondary)

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1CBE200 C1CBE200

Explanation: VPD collection in progress

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1CBE2FF C1CBE2FF

Explanation: VPD collection ending

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1CBE300 C1CBE300

Explanation: Checking the status of VPD collection

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1CBE3FF C1CBE3FF

Explanation: The end of checking the status of VPD collection

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1CBE400 C1CBE400

Explanation: VPD recollection is in progress.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1CBE401 C1CBE401

Explanation: VPD recollection because of a change in the VPD is in progress

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1CBE402 C1CBE402

Explanation: The old VPD values are being cleared from memory

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1CBE403 C1CBE403

Explanation: The RLCA is being initialized during VPD recollection

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1CBE404 C1CBE404

Explanation: VPD is being recollected

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1CBE405 C1CBE405

Explanation: VPD is being recollected

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1CBE406 C1CBE406

Explanation: VPD is being recollected

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1CBE407 C1CBE407

Explanation: The recollected VPD is being validated

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1CBE408 C1CBE408

Explanation: The VPD tables are being rebuilt with the recollected data

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1CBE409 C1CBE409

Explanation: The NVRAM VPD data is being recollected

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1CBE40A C1CBE40A

Explanation: The RLCA VPD data is being recollected

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1CBE40B C1CBE40B

Explanation: The recollected RLCA VPD data is being written to memory

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1CBE40C C1CBE40C

Explanation: The recollected HVAT VPD data is being written to memory

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1CBE40D C1CBE40D

Explanation: The registers are being updated with the recollected VPD

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1CBE40E C1CBE40E

Explanation: The module table is being rewritten with the recollected VPD

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1CBE40F C1CBE40F

Explanation: The LED table is being rewritten with the recollected VPD

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1CBE410 C1CBE410

Explanation: The LED table is being rewritten with the recollected VPD

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1CBE411 C1CBE411

Explanation: The security of the recollected VPD is being verified

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1CBE4FE C1CBE4FE

Explanation: The state is being updated during VPD recollection

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1CBE4FF C1CBE4FF

Explanation: The recollection of VPD is ending

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1CBE500 C1CBE500

Explanation: The VPD of a single FRU is being recollected

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1CBE600 C1CBE600

Explanation: The VPD of a single FRU module is being recollected

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1CBE6FF C1CBE6FF

Explanation: The VPD recollection from a single FRU is ending

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1CC2000 C1CC2000

Explanation: Connection monitoring failover: starting survfailover/backup/failover-standby transition file (secondary)

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1CC20FF C1CC20FF

Explanation: Connection monitoring failover: completed survfailover/backup/failover-standby transition file (secondary)

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1D22000 C1D22000

Explanation: Dump: starting DumpTransition-Dump transition file (primary)

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1D2200D C1D2200D

Explanation: Dump: calling hardware dump from DumpTransition-Dump transition file (master)

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1D2200F C1D2200F

Explanation: Dump: calling main store dump from DumpTransition-Dump transition file (master)

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1D220FF C1D220FF

Explanation: Dump: completed DumpTransition-Dump transition file (primary)

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1E82000 C1E82000

Explanation: Exit error: starting ExitError/Ipl transition file (primary)

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1E820FF C1E820FF

Explanation: Exit error: completed ExitError/Ipl transition file (primary)

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1E92000 C1E92000

Explanation: Extract exit error: starting ExtractExitError/ipl transition file (master)

C1E920FF C1E920FF

Explanation: Extract exit error: completed ExtractExitError/ipl transition file (master)

C1EA2000 C1EA2000

Explanation: Extract exit error: starting ExtractExitError/Backup/ipl transition file (secondary)

C1EA20FF C1EA20FF

Explanation: Extract exit error: completed ExtractExitError/Backup/ipl transition file (secondary)

C1F22000 C1F22000

Explanation: Reset/reload: starting Reset/Ipl-LimitedRuntime transition file (primary)

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1F220FF C1F220FF

Explanation: Reset/reload: completed Reset/Ipl-LimitedRuntime transition file (primary)

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1F32000 C1F32000

Explanation: Reset/reload: starting Reset/Ipl-Runtime transition file (primary)

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1F320FF C1F320FF

Explanation: Reset/reload: completed Reset/Ipl-Runtime transition file (primary)

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1F42000 C1F42000

Explanation: Reset/reload: starting Reset/Ipl-TerminationTransition transition file (master).

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1F420FF C1F420FF

Explanation: Reset/reload: completed Reset/Ipl-TerminationTransition transition file (master).

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

Chapter 9. (C2xx) Virtual service processor progress codes

The C2xx progress codes indicate the progress of a partition IPL that is controlled by the virtual service processor.

The codes represent normal events which do not require any action to be taken. If a partition IPL stalls at a C2xxxxx progress code, a problem has occurred. Collect all of the SRC words and contact your next level of support.

C2001000 C2001000

Explanation: Partition auto-IPL during a platform IPL

C2001010 C2001010

Explanation: IPL source

C2001100 C2001100

Explanation: Adding partition resources to the secondary configuration

C20011FF C20011FF

Explanation: Partition resources added successfully

C2001200 C2001200

Explanation: Checking if IPL is allowed

C20012FF C20012FF

Explanation: Partition IPL is allowed to proceed

C2001300 C2001300

Explanation: Initializing ISL roadmap

C20013FF C20013FF

Explanation: ISL roadmap initialized successfully

C2001400 C2001400

Explanation: Initializing SP Communication Area #1

C2001410 C2001410

Explanation: Initializing IPL parameters

C20014FF C20014FF

Explanation: IPL parameters initialized successfully

C2002100 C2002100

Explanation: Power on SPCN racks

C2002110 C2002110

Explanation: Issuing a rack power on command

C200211F C200211F

Explanation: Rack power on command successful

C20021FF C20021FF

Explanation: SPCN rack power on phase complete

C2002200 C2002200

Explanation: Begin acquiring slot locks

C20022FF C20022FF

Explanation: End acquiring slot locks

C2002300 C2002300

Explanation: Begin acquiring VIO slot locks

C20023FF C20023FF

Explanation: End acquiring VIO slot locks

C2002400 C2002400

Explanation: Begin powering on slots

C2002450 C2002450

Explanation: Waiting for power on of slots to complete

C20024FF C20024FF

Explanation: End powering on slots

C2002500 C2002500

Explanation: Begin power on VIO slots

C20025FF C20025FF

Explanation: End powering on VIO slots

C2003100 C2003100

Explanation: Validating ISL command parameters

C2003111 C2003111

Explanation: Waiting for Bus object to become operational

C2003112 C2003112

Explanation: Waiting for bus unit to become disabled

C2003115 C2003115

Explanation: Waiting for creation of bus object

C2003150 C2003150

Explanation: Sending ISL command to bus unit

C20031FF C20031FF

Explanation: Waiting for ISL command completion

C20032FF C20032FF

Explanation: ISL command complete successfully

C2003300 C2003300

Explanation: Start SoftPOR of a failed ISL slot

C2003350 C2003350

Explanation: Waiting for SoftPOR of a failed ISL slot

C20033FF C20033FF

Explanation: Finish SoftPOR of a failed ISL slot

C2004100 C2004100

Explanation: Waiting for load source device to enlist

C2004200 C2004200

Explanation: Load source device has enlisted

C2004300 C2004300

Explanation: Preparing connection to load source device

C20043FF C20043FF

Explanation: Load source device is connected

C2005100 C2005100

Explanation: Preparing to initiate MSD phase

C2005110 C2005110

Explanation: Loading SID 82 from load source device

C2005115 C2005115

Explanation: MSD Phase I

C2005120 C2005120

Explanation: Writing processor registers into SID 82

C2005125 C2005125

Explanation: MSD Phase II

C2005130 C2005130

Explanation: Writing main store pages to the load source device

C2005133 C2005133

Explanation: Writing hardware page table to the load source device

C2005135 C2005135

Explanation: MSD Phase III

C2005140 C2005140

Explanation: Storing (final) SID 82 back to the load source device

C2005150 C2005150

Explanation: Allocating the hardware page table

C20051FF C20051FF

Explanation: MSD processing complete

C2006000 C2006000

Explanation: Locating First LID information on the load source

C2006005 C2006005

Explanation: Clearing all partition main store

C2006010 C2006010

Explanation: Locating Next LID information on the load source

C2006020 C2006020

Explanation: Verifying LID information

C2006030 C2006030

Explanation: Priming LP Configuration LID

C2006040 C2006040

Explanation: Preparing to initiate LID load from load source

C2006050 C2006050

Explanation: LP Configuration LID primed successfully

C2006060 C2006060

Explanation: Waiting for LID load to complete

C20060F0 C20060F0

Explanation: T he license information document (LID) was read without the aid of a input output processor (IOP).

C2006100 C2006100

Explanation: LID load completed successfully

C2006200 C2006200

Explanation: Loading raw kernel memory image

C20062FF C20062FF

Explanation: Loading raw kernel memory image completed successfully

C2007100 C2007100

Explanation: Disconnecting from load source device

C2007103 C2007103

Explanation: Removing load source device from LID Manager object

C2007105 C2007105

Explanation: Preparing to remove the load source IP from the primary partition

C2007110 C2007110

Explanation: Preparing to remove the load source IOP from the primary partition

C2007120 C2007120

Explanation: Non-load source IOP has been successfully removed from the primary partition

C2007125 C2007125

Explanation: Load source IOP has been successfully removed from the primary partition

C2007130 C2007130

Explanation: Calling fatal error on the Transport Manager bus unit object

C20071FF C20071FF

Explanation: Load source is successfully disconnected

C2008040 C2008040

Explanation: Begin transfer slot locks to partition

C2008060 C2008060

Explanation: End transfer slot locks to partition

C2008080 C2008080

Explanation: Begin transfer VIO slot locks to partition

C20080A0 C20080A0

Explanation: End transfer VIO slot locks to partition

C20080FF C20080FF

Explanation: Hypervisor low level session manager object is ready

C2008100 C2008100

Explanation: Initializing SP Communication Area #2

C2008104 C2008104

Explanation: Loading data structures into main store

C2008110 C2008110

Explanation: Initializing event paths

C2008120 C2008120

Explanation: Starting processors

C2008130 C2008130

Explanation: Begin associate of system ports.

C2008138 C2008138

Explanation: Associating system ports to the RPA partition.

C200813F C200813F

Explanation: End associate of system ports.

C20081FF C20081FF

Explanation: Processors started successfully, now waiting to receive the continue acknowledgement from System Licensed Internal Code

C2008200 C2008200

Explanation: Continue acknowledgement received from System Licensed Internal Code

C20082FF C20082FF

Explanation: VSP IPL complete successfully

C200XXXX C200XXXX

Explanation: Any other Virtual Service Processor Progress Code not listed here.

Chapter 10. (C3xx, C5xx, C6xx) IPL status progress codes

A server that stalls during an initial program load (IPL) of the operating system indicates a problem with the operating system code or hardware configuration.

In this case, your only service action is to call your next level of support. If the problem is in the operating system code or hardware configuration, exchanging any hardware FRU will not fix the problem.

Notes:

- The following table contains the C3xxxxxx, C5xxxxxx, and C6xxxxxx IPL status progress codes. Some of these codes can appear on your control panel or HMC display. Depending on the system activity and disk configuration the duration of time that each code is displayed can vary. Eventually the system will continue to the next progress code until the IPL status is complete, or if an error is detected an SRC other than a C3xxxxxx, C5xxxxxx, or C6xxxxxx will be displayed.
- There are instances when multiple tasks might be happening at the same time, so the progress code on the panel may not reflect the code module having problems.

The mode of the IPL (A, B, or D) determines, in part, which status SRCs are displayed. The different types of IPL use different progress codes, so you will not see all of the progress codes in the table below when you perform an IPL.

The list of IPL status progress codes uses the following format:

- The message number contains characters that represent a particular action your server performs during initialization of the supported operating system.
- The description identifies the action or procedure that produced the progress code.

C3YXXXXX C3YXXXXX

Explanation: System Processor or Main Storage Diagnostic in progress

C500C92B C500C92B

Explanation: Waiting for console device - error condition only if console not found

C5YXXXXX C5YXXXXX

Explanation: Licensed Internal Code system hardware initialization

C6001800 C6001800

Explanation: Licensed Internal Code SPCN setup

C6003900 C6003900

Explanation: SP transfer control of Bus 1 (BCU Switch) to Licensed Internal Code is Complete and Licensed Internal Code Machine Facilities component is initialized. IPL of Bus 1 is in progress.

C6003910 C6003910

Explanation: Licensed Internal Code has initiated PCI Bus Reset to all Bus 1 devices except the SP

C6003911 C6003911

Explanation: Licensed Internal Code has initiated self test of all Bus 1 devices except the SP

C6003912 C6003912

Explanation: Licensed Internal Code is initiating IPL of the Load Source IOP, waiting for the IOP to signal internal reset complete (Immediate Status Acknowledge Bit set to '1')

C6003913 C6003913

Explanation: Licensed Internal Code is initializing the

Load Source IOP messaging functions

C6003914 C6003914

Explanation: Licensed Internal Code has detected a Load Source IOP problem and is resetting the IOP, or the IOP has requested a reset after an internal Flash memory Licensed Internal Code update

C6003915 C6003915

Explanation: Licensed Internal Code has initiated the Load Source IOP self-load

C6003916 C6003916

Explanation: During self-load, the Load Source IOP signalled Licensed Internal Code that it is initiating an internal Flash Memory update or other critical function

C6003917 C6003917

Explanation: The Load Source IOP has completed IPL of its operational load, Licensed Internal Code is waiting for the IOP to report its attached IO resources. This is the last progress code normally displayed regarding Load Source IPL

C60039XX C60039XX

Explanation: The typical sequence for an A/B/C mode IPL is 3900, 3910, 3911 (warm IPL only), 3912 (warm IPL only), 3913, 3915, 3917, and then other System Licensed Internal Code IPL progress codes. The others are seen when an IOP flash update occurs, usually on a D mode and possibly on a side (source) switch between A and B or C.

C6004001 C6004001

Explanation: Static paging

C6004002 C6004002

Explanation: Start limited paging, call LID manager

C6004003 C6004003

Explanation: Initialize IPL/Termination (IT) data area / set up node address communication area (NACA) pointer

C6004004 C6004004

Explanation: Check and update MSD SID

C6004005 C6004005

Explanation: Initialize event management is executing

C6004006 C6004006

Explanation: IPL all buses

C6004007 C6004007

Explanation: Start SLID

C6004008 C6004008

Explanation: Initialize I/O service

C6004009 C6004009

Explanation: Initialize I/O machine

C6004010 C6004010

Explanation: Initialize IDE (interactive device exerciser)

C6004011 C6004011

Explanation: Initialize remote services

C6004012 C6004012

Explanation: Initialize RMAC component data values

C6004013 C6004013

Explanation: Initialize context management

C6004014 C6004014

Explanation: Initialize RM (component) seize lock

C6004015 C6004015

Explanation: Initialize MISR

C6004016 C6004016

Explanation: Set time of day

C6004017 C6004017

Explanation: Initialize RM (component) process management

C6004018 C6004018

Explanation: Initialize error log

C6004019 C6004019

Explanation: Re-initialize the service processor

C6004020 C6004020

Explanation: Initialize machine services

C6004021 C6004021

Explanation: Initialize performance data collector

C6004022 C6004022

Explanation: Initialize event management

C6004023 C6004023

Explanation: Create MI boundary manager tasks

C6004024 C6004024

Explanation: Disable CPM

C6004025 C6004025

Explanation: Initializes battery test

C6004026 C6004026

Explanation: Hardware card checkout

C6004027 C6004027

Explanation: Start integrated device exerciser (Type C IPL only)

C6004028 C6004028

Explanation: Start DST

C6004029 C6004029

Explanation: Make IPL task not critical

C6004030 C6004030

Explanation: Free static storage

C6004031 C6004031

Explanation: Destroy IPL task, DST has been started

C6004033 C6004033

Explanation: Guest Partition Virtual I/O Initialization Complete

C6004050 C6004050

Explanation: Storage management recovery is executing

C6004051 C6004051

Explanation: Start LOG is executing

C6004052 C6004052

Explanation: Trace table initialization is executing

C6004053 C6004053

Explanation: Context rebuild is executing. Module called: #RCRBCTX.

C6004054 C6004054

Explanation: Start Product Activity Log and APPN is executing

C6004055 C6004055

Explanation: Authority recovery is executing

C6004056 C6004056

Explanation: Journal recovery is executing

C6004057 C6004057

Explanation: Data base recovery is executing

C6004058 C6004058

Explanation: Journal synchronization is executing

C6004059 C6004059

Explanation: Commit recovery is executing

C6004060 C6004060

Explanation: Data base initialization is executing

C6004061 C6004061

Explanation: Journal IPL clean up is executing

C6004062 C6004062

Explanation: Commit initialization is executing

C6004064 C6004064

Explanation: System Object Model (SOM) recovery is executing.

C6004065 C6004065

Explanation: Start operating system is executing

C6004072 C6004072

Explanation: Storage Management Recovery is complete

C6004073 C6004073

Explanation: Queueing was notified that full paging is available

C6004074 C6004074

Explanation: Breakpoint Manager initialization phase 2 complete

C6004075 C6004075

Explanation: Volume stats initialized

C6004076 C6004076

Explanation: Lid Manager was notified that full paging is available

C6004077 C6004077

Explanation: Recovery directory structure created

C6004078 C6004078

Explanation: Link loader was notified that full paging is available

C6004079 C6004079

Explanation: Clean up SLIC install structures

C600407A C600407A

Explanation: Initialize database storage

C600407B C600407B

Explanation: Initialize IFS storage

C600407C C600407C

Explanation: HRI was notified that full paging is available

C600407D C600407D

Explanation: Authority was notified that full paging is available

C600407E C600407E

Explanation: Initialize I/O structures

C600407F C600407F

Explanation: Initialize cryptography structures

C6004100 C6004100

Explanation: Searching for Load Source Candidate (D-mode only)

C6004101 C6004101

Explanation: Opening media-file to install Licensed Internal Code service displays with proper National Language Version

C6004102 C6004102

Explanation: Loading and linking from media-file to install Licensed Internal Code service displays with proper National Language Version

C6004201 C6004201

Explanation: Storage management recovery

C6004204 C6004204

Explanation: Synchronization of mirrored MSD.

C6004205 C6004205

Explanation: Synchronization of mirrored data (where xx is percent complete).

C6004240 C6004240

Explanation: Reclaim main storage

C6004250 C6004250

Explanation: Storage management subset directory recovery

C6004255 C6004255

Explanation: Defragmentation utility

C6004260 C6004260

Explanation: Storage management directory recovery.

C6004272 C6004272

Explanation: ASP overflow recovery

C6004300 C6004300

Explanation: Static paging is available for the link/loader

C6004301 C6004301

Explanation: Applying temporary PTFs. If the IPL is terminated at this point, the Licensed Internal Code might need to be installed again.

C6004302 C6004302

Explanation: Applying modules. If the IPL is terminated at this point, the Licensed Internal Code might need to be installed again.

C6004303 C6004303

Explanation: Temporarily applied PTFs have reached the static paging phase

C6004304 C6004304

Explanation: Delayed LID is being requested.

C6004305 C6004305

Explanation: Delayed LID has loaded successfully.

C600432A C600432A

Explanation: Resolving references to run Mode A. The system can be safely terminated while this work is being done.

C600432B C600432B

Explanation: Resolving references to run Mode B. The system may be safely terminated while this work is being done.

C6004330 C6004330

Explanation: Full paging is available; workstation HRI processing

C6004331 C6004331

Explanation: Freeing unused nucleus pages

C6004332 C6004332

Explanation: Permanently applying PTFs. If the IPL is terminated at this point, the Licensed Internal Code might need to be installed again.

C6004400 C6004400

Explanation: Main Storage Dump Manager started (where xx is the number of minutes elapsed waiting for DASD to report in.

C6004401 C6004401

Explanation: Some DASD failed to report in

C6004402 C6004402

Explanation: Storage Management Recovery started

C6004403 C6004403

Explanation: Storage Management Recovery ended

C6004404 C6004404

Explanation: Licensed Internal Code log started. If Auto Copy in progress, xx is the percent complete. Module called: MsdStartSf.

C6004405 C6004405

Explanation: Dump auto copy completed successfully. Module called: MsdStartSf.

C6004406 C6004406

Explanation: Shutdown/Programmed IPL started (MSD related). Module called: MsdStartSf, MsdInit.

C6004500 C6004500

Explanation: Verifying network attributes

C6004501 C6004501

Explanation: Looking for the console

C6004502 C6004502

Explanation: Starting DST display task (SSP only)

C6004503 C6004503

Explanation: Checking possible MRI on media (SSP only)

C6004504 C6004504

Explanation: Verifying system serial number

C6004505 C6004505

Explanation: Verifying system type

C6004506 C6004506

Explanation: Verifying system-unique ID

C6004507 C6004507

Explanation: Starting 'before DST' DASD checker

C6004508 C6004508

Explanation: Verifying system password (if DASD check OK)

C6004509 C6004509

Explanation: Starting DASD migration function (only if migrating)

C600450A C600450A

Explanation: Starting 'after DST' DASD checker

C6004A57 C6004A57

Explanation: Parallel database recovery and is at Pass 1

C6004A60 C6004A60

Explanation: Parallel database initialization is at Pass 1

C6004B57 C6004B57

Explanation: Parallel database recovery is at Pass 2

C6004B60 C6004B60

Explanation: Parallel database initialization is at Pass 2

C6004C57 C6004C57

Explanation: Parallel database recovery is at Pass 3

C6004C60 C6004C60

Explanation: Parallel database initialization is at Pass 3

C6004F57 C6004F57

Explanation: The system is recovering all database objects. This step can take several hours.

C6004F60 C6004F60

Explanation: The system is examining all objects during database initialization.

C6xx1800 C6xx1800

Explanation: Licensed Internal Code SPCN setup

C6xx4205 C6xx4205

Explanation: Synchronization of mirrored data (where xx is percent complete).

C6xx4400 C6xx4400

Explanation: Main Storage Dump Manager started (where xx is the number of minutes elapsed waiting for DASD to report in.

C6xx4404 C6xx4404

Explanation: Licensed Internal Code log started. If Auto Copy in progress, xx is the percent complete. Module called: MsdStartSf.

Chapter 11. (C7xx) Server firmware IPL status progress codes

A server that stalls during an initial program load (IPL) of the server firmware indicates a problem with the server firmware code.

Server firmware IPL status progress codes enable your service provider and next level of support to more easily identify the server firmware component causing the problem.

Note: If the problem is in the server firmware code, exchanging any hardware FRU will not fix the problem.

C7004091 C7004091

Explanation: This is the final IPL status progress code to be displayed before the system reaches standby state. When standby is reached, C7004091 will no longer be displayed.

C700XXXX C700XXXX

Explanation: If the system stalls during an initial program load (IPL) of the server firmware, a problem has occurred with the server firmware code. Exchanging any hardware FRU will not fix the problem.

Problem determination: Collect information on words 3 and 4 of the SRC, and call your next level of support.

Chapter 12. (C9xx) IPL status progress codes

Learn about IPL status progress codes that have a format of C9xxxxxx.

As your server performs an IPL, the control panel displays progress codes that indicate the status of the IPL. Often, you can use these progress codes to help you perform problem analysis. The following list offers information on the IPL status progress codes that have a format of C9xxxxxx.

C9002810 Refcode_C9002810

Explanation: Reclaim machine context

C9002820 Refcode_C9002820

Explanation: Resolve system objects

C9002825 Refcode_C9002825

Explanation: Convert Work Control Block Table

C9002830 Refcode_C9002830

Explanation: System value object

C90028C0 Refcode_C90028C0

Explanation: Prepare SPCF job

C90028C5 Refcode_C90028C5

Explanation: Initialize system objects

C9002910 Refcode_C9002910

Explanation: Start system logging

C9002920 Refcode_C9002920

Explanation: Library and object information repository (OIR) cleanup

C9002925 Refcode_C9002925

Explanation: Verify POSIX** root directories

C9002930 Refcode_C9002930

Explanation: Database cross-reference

C9002940 Refcode_C9002940

Explanation: Console configuration

C9002950 Refcode_C9002950

Explanation: Install complex objects

C9002960 Refcode_C9002960

Explanation: Sign on processing

C9002965 Refcode_C9002965

Explanation: Software Management Services (SMS) initialization

C9002967 Refcode_C9002967

Explanation: Applying PTFs

C9002968 Refcode_C9002968

Explanation: IPL options

C9002970 Refcode_C9002970

Explanation: Database recovery part 1, journal recovery part 1

C9002973 Refcode_C9002973

Explanation: This recovery step attempts to perform any needed recovery for database files that were being changed, created or deleted when an abnormal system end occurred.

C9002976 Refcode_C9002976

Explanation: This recovery step verifies the object recovery list performs any needed recovery for journals and journal receivers.

C9002978 Refcode_C9002978

Explanation: This progress code displays after progress codes C9002A70 through C9002976 have been completed

C9002980 Refcode_C9002980

Explanation: Storage requirements

C9002990 Refcode_C9002990

Explanation: Performance adjustments

C90029A0 Refcode_C90029A0

Explanation: System control block

C90029B0 Refcode_C90029B0

Explanation: Spool initialization

C90029C0 Refcode_C90029C0

Explanation: Work control block table

C9002A80 Refcode_C9002A80

Explanation: Before starting system jobs

C9002A85 Refcode_C9002A85

Explanation: Bringing up POSIX SAG

C9002A87 Refcode_C9002A87

Explanation: POSIX SAG restart and signals initialization

C9002A90 Refcode_C9002A90

Explanation: Starting system jobs

C9002A95 Refcode_C9002A95

Explanation: Abnormal Work Control Block Table cleanup

C9002AA0 Refcode_C9002AA0

Explanation: Damage notification

C9002AA1 Refcode_C9002AA1

Explanation: This recovery step either rolls back or completes certain uncompleted database operations that were run under commitment control

C9002AA2 Refcode_C9002AA2

Explanation: This recovery completes certain journal operations that were in progress when the system ended processing

C9002AA3 Refcode_C9002AA3

Explanation: This recovery sends messages to QHST for database files that may have been damaged by a system end

C9002AA4 Refcode_C9002AA4

Explanation: This progress code displays after progress codes C9002AA0 - C9002AA3 have been completed

C9002AA5 Refcode_C9002AA5

Explanation: Integrated File System/New File System (NFS) directory recovery

C9002AAC Refcode_C9002AAC

Explanation: Integrated File System conversion

C9002AB0 Refcode_C9002AB0

Explanation: Database recovery part 2

C9002AC0 Refcode_C9002AC0

Explanation: Document Library Object (DLO) recovery

C9002B10 Refcode_C9002B10

Explanation: Establish event monitors

C9002B30 Refcode_C9002B30

Explanation: QLUS job

C9002B40 Refcode_C9002B40

Explanation: Device configuration

C9002C10 Refcode_C9002C10

Explanation: After system arbiter

C9002C20 Refcode_C9002C20

Explanation: SNADS recovery

C9002C25 Refcode_C9002C25

Explanation: ZMF component (Mail Enablement (OeDS) Framework) recovery

C9002C40 Refcode_C9002C40

Explanation: Work Control Block Table cleanup

C9002CF0 Refcode_C9002CF0

Explanation: Reclaim storage

C9002F00 Refcode_C9002F00

Explanation: IPL complete

Chapter 13. (CAxx) Partition firmware progress codes

Partition firmware progress codes offer information about the progress of partition firmware as it is initializing.

In some cases, a server might hang (or stall) at one of these progress codes without displaying an 8-character system reference code (SRC). Only during such a hang condition should you take any service action related to the progress code.

Note: If the control panel displays more than eight characters, use only the first eight characters to find the error in the list. Characters that display after the first eight represent a location code that assists you in diagnosing the problem.

CA000000 CA000000

Explanation: Process control now owned by partition firmware

Failing Item:

- FWFLASH

CA000020 CA000020

Explanation: Checking the firmware levels

Failing Item:

- FWFLASH

CA000030 CA000030

Explanation: Attempting to establish a communication link by using lpevents

Failing Item:

- FWFLASH

CA000032 CA000032

Explanation: Attempting to register lpevent queues

Failing Item:

- FWFLASH

CA000034 CA000034

Explanation: Attempting to exchange cap and allocate lpevents

Failing Item:

- FWFLASH

CA000038 CA000038

Explanation: Attempting to exchange virtual continue events

Failing Item:

- FWFLASH

CA000040 CA000040

Explanation: Attempting to obtain RTAS code lid details

Failing Item:

- FWFLASH

CA000050 CA000050

Explanation: Attempting to load RTAS firmware

Failing Item:

- FWFLASH

CA000060 CA000060

Explanation: Attempting to obtain open firmware details

Failing Item:

- FWFLASH

CA000070 CA000070

Explanation: Attempting to load open firmware

Failing Item:

- FWFLASH

CA000080 CA000080

Explanation: Preparing to start open firmware

Failing Item:

- FWFLASH

CA000090 CA000090

Explanation: Open firmware package corrupted (phase 1).

Failing Item:

- FWFLASH

CA000091 CA000091

Explanation: Attempting to load open firmware

Failing Item:

- FWFLASH

CA0000A0 CA0000A0

Explanation: Open firmware package corrupted (phase 2)

Failing Item:

- FWFLASH

CA00D001 CA00D001

Explanation: PCI probe completed, create PCI bridge interrupt routing properties

Failing Item:

- FWFLASH

CA00D002 CA00D002

Explanation: PCI adapter nvram hint created; system is rebooting

Failing Item:

- FWFLASH

CA00D003 CA00D003

Explanation: PCI probing complete

Failing Item:

- FWPCI5

CA00D004 CA00D004

Explanation: Start of install-console, loading GUI package

Failing Item:

- FWFLASH

CA00D008 CA00D008

Explanation: Initialize console and flush queues

Failing Item:

- FWFLASH

CA00D00C CA00D00C

Explanation: The partition firmware is about to search for an NVRAM script.

Failing Item:

- NEXTLVL

CA00D00D CA00D00D

Explanation: Evaluating NVRAM script.

Failing Item:

- FWFLASH

CA00D010 CA00D010

Explanation: First pass open firmware initialization complete; establish parameters for restart

Failing Item:

- FWFLASH

CA00D011 CA00D011

Explanation: First pass open firmware initialization complete; control returned to initialization firmware

Failing Item:

- FWFLASH

CA00D012 CA00D012

Explanation: Second pass open firmware initialization complete; control returned to initialization firmware

Failing Item:

- FWFLASH

CA00D013 CA00D013

Explanation: Run-time open firmware initialization complete; control returned to initialization firmware

Failing Item:

- FWFLASH

CA00D020 CA00D020

Explanation: The partition firmware is about to download and run the SLIC loader

Failing Item:

- FWFLASH

CA00D021 CA00D021

Explanation: The partition firmware is about to download and run the I/O reporter to collect VPD

Failing Item:

- FWFLASH

CA00E101 CA00E101

Explanation: Create RTAS node

Failing Item:

- FWFLASH

CA00E102 CA00E102

Explanation: Load/initialize RTAS

Failing Item:

- FWFLASH

CA00E105 CA00E105

Explanation: Transfer control to the operating system (normal boot)

Problem determination: See Problems with loading and starting the operating system.

CA00E10A CA00E10A

Explanation: Load RTAS device tree

Failing Item:

- FWFLASH

CA00E10B CA00E10B

Explanation: Set RTAS device properties

Failing Item:

- FWFLASH

CA00E110 CA00E110

Explanation: Create the kdump properties

Failing Item:

- FWFLASH

CA00E130 CA00E130

Explanation: Build device tree

Failing Item:

- FWFLASH

CA00E131 CA00E131

Explanation: Create the root node properties

Failing Item:

- FWFLASH

CA00E134 CA00E134

Explanation: Create memory node

Failing Item:

- FWFLASH

CA00E135 CA00E135

Explanation: Create HCA node

Failing Item:

- FWFLASH

CA00E136 CA00E136

Explanation: Create BSR node

Failing Item:

- FWFLASH

CA00E137 CA00E137

Explanation: Create HEA node

Failing Item:

- FWFLASH

CA00E138 CA00E138

Explanation: Create options node

Failing Item:

- FWFLASH

CA00E139 CA00E139

Explanation: Create aliases node and system aliases

Failing Item:

- FWFLASH

CA00E13A CA00E13A

Explanation: Create packages node

Failing Item:

- FWFLASH

CA00E13B CA00E13B

Explanation: Create HEA node

Failing Item:

- FWFLASH

CA00E13C CA00E13C

Explanation: Create HEA port node

Failing Item:

- FWFLASH

CA00E13D CA00E13D

Explanation: Create host fabric interface (HFI) I/O hub node

Failing Item:

- FWFLASH

CA00E13E CA00E13E

Explanation: Create host fabric interface (HFI) Ethernet node

Failing Item:

- FWFLASH

CA00E140 CA00E140

Explanation: Loading the operating system

Problem determination: See "Problems with loading and starting the operating system"

CA00E141 CA00E141

Explanation: Synchronize the operating system bootlist to the management module bootlist

Failing Item:

- FWFLASH

CA00E142 CA00E142

Explanation: Management module bootlist is being set from the operating system boot list

Failing Item:

- FWFLASH

CA00E143 CA00E143

Explanation: Operating system bootlist is being set from the management module bootlist

Failing Item:

- FWFLASH

CA00E149 CA00E149

Explanation: Create boot mgr node

Failing Item:

- FWFLASH

CA00E14C CA00E14C

Explanation: Create terminal emulator node

Failing Item:

- FWFLASH

CA00E14D CA00E14D

Explanation: Load boot image

Problem determination: See "Problems with loading and starting the operating system"

CA00E150 CA00E150

Explanation: Create host (primary) PCI controller node

Failing Item:

- FWFLASH

CA00E151 CA00E151

Explanation: Probing PCI bus

Failing Item:

- FWPCI5

CA00E152 CA00E152

Explanation: Probing for adapter FCODE; evaluate if present

Failing Item:

- FWPCI5

CA00E153 CA00E153

Explanation: End adapter FCODE probing and evaluation

Failing Item:

- FWPCI5

CA00E154 CA00E154

Explanation: Create PCI bridge node

Failing Item:

- FWPCI5

CA00E155 CA00E155

Explanation: Probing PCI bridge secondary bus

CA00E156 CA00E156

Explanation: Create plug-in PCI bridge node

Failing Item:

- FWPCI5

CA00E15B CA00E15B

Explanation: Transfer control to Operating System (service mode boot)

Problem determination: See "Problems with loading

and starting the operating system"

CA00E15F CA00E15F

Explanation: Adapter VPD evaluation

Failing Item:

- FWPCI5

CA00E170 CA00E170

Explanation: Start of PCI BUS probe

Failing Item:

- FWPCI5

CA00E172 CA00E172

Explanation: First pass PCI device probe

Failing Item:

- FWPCI5

CA00E174 CA00E174

Explanation: Establishing host connection

Failing Item:

- FWHOST

CA00E175 CA00E175

Explanation: BootP request

Failing Item:

- FWHOST

CA00E176 CA00E176

Explanation: TFTP file transfer

Problem determination: See "Problems with loading and starting the operating system"

CA00E177 CA00E177

Explanation: Transfer failure due to TFTP error condtion

Problem determination: See "Problems with loading and starting the operating system"

CA00E178 CA00E178

Explanation: Initiating TFTP file transfer

Response:

1. Make sure that:
   - The bootp server is correctly configured, then retry the operation.
   - The network connections are correct, then retry the operation.
2. Look for server firmware updates; apply if available.

CA00E179 CA00E179

Explanation: Closing BOOTP

Response:

1. Make sure that:
   - The bootp server is correctly configured, then retry the operation.
   - The network connections are correct, then retry the operation.
2. Look for server firmware updates; apply if available.

CA00E17B CA00E17B

Explanation: Processor clock speed measurement

Failing Item:

- NEXTLVL

CA00E198 CA00E198

Explanation: Rebooting partition to enact changes specified in ibm,client-archtiecture-support.

Problem determination: See "Problems with loading and starting the operating system"

CA00E199 CA00E199

Explanation: The partition is rebooting to enact changes that were specified the ELF header of the boot image.

Problem determination: See "Problems with loading and starting the operating system"

CA00E19A CA00E19A

Explanation: NVRAM auto-boot? variable not found - assume FALSE

Failing Item:

- FWFLASH

CA00E19B CA00E19B

Explanation: NVRAM menu? variable not found - assume FALSE

Failing Item:

- FWFLASH

CA00E19D CA00E19D

Explanation: Create NVRAM node

Failing Item:

- FWFLASH

CA00E19E CA00E19E

Explanation: Real-time clock (RTC) initialization

Failing Item:

- FWFLASH

CA00E1A0 CA00E1A0

Explanation: User requested boot to SMS menus by using keyboard entry

Failing Item:

- FWFLASH

CA00E1A1 CA00E1A1

Explanation: User requested boot to open firmware prompt by using keyboard entry

Failing Item:

- FWFLASH

CA00E1A2 CA00E1A2

Explanation: User requested boot using default service mode boot list by using keyboard entry

Failing Item:

- FWFLASH

CA00E1A3 CA00E1A3

Explanation: User requested boot using customized service mode boot list by using keyboard entry

Failing Item:

- FWFLASH

CA00E1A4 CA00E1A4

Explanation: User requested boot to SMS menus by using the Hardware Management Console or a service processor command

Failing Item:

- FWFLASH

CA00E1A5 CA00E1A5

Explanation: User requested boot to open firmware prompt by using the HMC or a service processor command

Failing Item:

- FWFLASH

CA00E1A6 CA00E1A6

Explanation: User requested boot using default service mode boot list by using the HMC or a service processor command

Failing Item:

- FWFLASH

CA00E1A7 CA00E1A7

Explanation: User requested boot using customized service mode boot list by using the HMC or a service processor command.

Failing Item:

- FWFLASH

CA00E1AA CA00E1AA

Explanation: System boot check for NVRAM Settings

Failing Item:

- FWFLASH

CA00E1AB CA00E1AB

Explanation: System booting using the default service mode boot list

Failing Item:

- FWFLASH

CA00E1AC CA00E1AC

Explanation: System booting using the customized service mode boot list

Failing Item:

- FWFLASH

CA00E1AD CA00E1AD

Explanation: System booting to the operating system

Failing Item:

- FWFLASH

CA00E1AE CA00E1AE

Explanation: System booted to SMS multiboot menu by using NVRAM settings

Failing Item:

- FWMBOOT

CA00E1AF CA00E1AF

Explanation: System booted to SMS utilities menu by using NVRAM settings

Failing Item:

- FWFLASH

CA00E1B0 CA00E1B0

Explanation: Process HMC-specified boot device specifier

Failing Item:

- FWFLASH

CA00E1B1 CA00E1B1

Explanation: System booting with HMC or hosting-partition directed boot-device repair

Failing Item:

- FWFLASH

CA00E1B2 CA00E1B2

Explanation: XOFF received, waiting for XON

Failing Item:

- FWVTHMC

CA00E1B3 CA00E1B3

Explanation: XON received

Problem determination: This checkpoint flashes by so quickly on the control panel that you cannot see it. The progress indicators log may contain a reference to it, which you can access by using the ASMI menus. If a partition hangs on this checkpoint, perform the action specified in the Failing Item column.

Failing Item:

- FWPCI5

CA00E1B4 CA00E1B4

Explanation: HMC or hosting-partition directed boot-string did not load an operating system repair

Failing Item:

- NEXTLVL

CA00E1B5 CA00E1B5

Explanation: Checking for iSCSI disk aliases

Failing Item:

- FWPCI5

CA00E1D0 CA00E1D0

Explanation: Create PCI SCSI node

Failing Item:

- FWPCI5

CA00E1D3 CA00E1D3

Explanation: Create SCSI block device node (SD)

Failing Item:

- FWPCI5

CA00E1D4 CA00E1D4

Explanation: Create SCSI byte device node (ST)

Failing Item:

- FWPCI5

CA00E1DC CA00E1DC

Explanation: Dynamic console selection

Failing Item:

- FWCONS

CA00E1DD CA00E1DD

Explanation: A graphics adapter was selected as the firmware console, but the USB keyboard is not attached.

Problem determination: Ensure that a USB keyboard is attached to a USB port that is assigned to the partition.

Failing Item:

- FWCONS

CA00E1F0 CA00E1F0

Explanation: Start out-of-box experience

Failing Item:

- FWFLASH

CA00E1F1 CA00E1F1

Explanation: Start selftest sequence on one or more devices

Failing Item:

- FWFLASH

CA00E1F5 CA00E1F5

Explanation: Build boot device list

Problem determination:

1. If the system or partition hangs on this checkpoint, look for a location code in the operator panel. If a location code is being displayed when the hang occurs, suspect the device at that location code.
2. If the device at that location code is good, suspect the other bootable devices that are on the same bus, such as an IDE bus.
3. If no location codes are displayed, remove all of the bootable devices in the system or partition. Add them back in one at a time, and reboot the partition after each one is added. This should isolate the device that is causing the hang; replace it.

CA00E1F6 CA00E1F6

Explanation: Determine boot device sequence

Failing Item:

- FWFLASH

CA00E1F7 CA00E1F7

Explanation: Boot invalid or stopped

Problem determination: See "Problems with loading and starting the operating system"

CA00E1F8 CA00E1F8

Explanation: Build boot device list for SCSI adapters (displays the location code of the SCSI adapter being scanned)

Failing Item:

- FWPCI5

CA00E1F9 CA00E1F9

Explanation: Build boot device list for Fibre Channel adapters (displays the location of the SAN adapter being scanned)

Failing Item:

- FWPCI5

CA00E1FA CA00E1FA

Explanation: Building device list for SCSI adapters (displays the device ID and device LUN of the devices being scanned)

Failing Item:

- FWPCI5

CA00E1FB CA00E1FB

Explanation: Scan SCSI bus for attached devices

Failing Item:

- FWSCSIH

CA00E1FC CA00E1FC

Explanation: Build boot device list for SSA adapters (displays the location code of the SSA adapter being scanned)

Failing Item:

- FWPCI5

CA00E1FE CA00E1FE

Explanation: Building device list for Fibre Channel (SAN) adapters (displays the WWPN of the fibre-channel adapter being scanned)

Problem determination:

1. If the system or partition hangs on this checkpoint, remove the fibre channel adapter(s) from the system or partition and reboot. If the problem is resolved, replace the fibre channel adapter that was causing the hang.
2. If step 1 does not isolate the problem, contact your next level of support.

CA00E1FF CA00E1FF

Explanation: Build device list for Fibre Channel (SAN) adapters (displays the LUN for each device being scanned)

Problem determination:

1. If the system or partition hangs on this checkpoint, remove the fibre channel adapter(s) from the system or partition and reboot. If the problem is resolved, replace the fibre channel adapter that was causing the hang.
2. If step 1 does not isolate the problem, contact your next level of support.

CA00E440 CA00E440

Explanation: Validate NVRAM, initialize partitions as needed

Failing Item:

- FWFLASH

CA00E441 CA00E441

Explanation: Generate /options node NVRAM configuration variable properties

Failing Item:

- FWFLASH

CA00E442 CA00E442

Explanation: Validate NVRAM partitions

Failing Item:

- FWFLASH

CA00E443 CA00E443

Explanation: Generate NVRAM configuration variable dictionary words

Problem determination: Suspect a system firmware problem if the problem persists.

Failing Item:

- FWFLASH

CA00E444 CA00E444

Explanation: NVRAM size is less than 8K bytes

Failing Item:

- FWFLASH

CA00E701 CA00E701

Explanation: Create memory VPD

Failing Item:

- FWFLASH

CA00E800 CA00E800

Explanation: Initialize gdata for the control (operator) panel

Failing Item:

- FWFLASH

CA00E820 CA00E820

Explanation: Initializing lpevent

Failing Item:

- FWFLASH

CA00E830 CA00E830

Explanation: Initializing event scan

Failing Item:

- FWFLASH

CA00E840 CA00E840

Explanation: Initializing hot plug

Failing Item:

- FWFLASH

CA00E843 CA00E843

Explanation: Initializing interface/aix access

Failing Item:

- FWFLASH

CA00E850 CA00E850

Explanation: Initializing dynamic reconfiguration

Failing Item:

- FWFLASH

CA00E860 CA00E860

Explanation: Initializing sensors

Failing Item:

- FWFLASH

CA00E865 CA00E865

Explanation: Initializing VPD

Failing Item:

- FWFLASH

CA00E870 CA00E870

Explanation: Initializing pfds memory manager

Failing Item:

- FWFLASH

CA00E875 CA00E875

Explanation: Initializing rtas_last_error

Failing Item:

- FWFLASH

CA00E876 CA00E876

Explanation: Initializing rtas_error_inject

Failing Item:

- FWFLASH

CA00E877 CA00E877

Explanation: Initialize dump interface

Failing Item:

- FWFLASH

CA00E879 CA00E879

Explanation: Initialize the platform-assisted kdump interface

Failing Item:

- FWFLASH

CA00E880 CA00E880

Explanation: The firmware version is being sent to the hypervisor.

Failing Item:

- FWFLASH

CA00E885 CA00E885

Explanation: Initializing set-power-level

Failing Item:

- FWFLASH

CA00E886 CA00E886

Explanation: Initializing exit2c

Failing Item:

- FWFLASH

CA00E887 CA00E887

Explanation: Initialize gdata for activate_firmare

Failing Item:

- FWFLASH

CA00E890 CA00E890

Explanation: Starting to initialize open firmware

Failing Item:

- FWFLASH

CA00E891 CA00E891

Explanation: Finished initializing open firmware

Failing Item:

- FWFLASH

CA00E8A0 CA00E8A0

Explanation: The pinned page manager is being initialized.

Failing Item:

- FWFLASH

CA00EAA1 CA00EAA1

Explanation: Probe PCI-PCI bridge bus

Failing Item:

- FWPCI5

CA060203 CA060203

Explanation: An alias was modified or created

Failing Item:

- FWFLASH

CA26FFFF CA26FFFF

Explanation: An extended amount of time was required while waiting for lpevent to complete.

Failing Item:

- FWFLASH

CA26TTSS CA26TTSS

Explanation: Waiting for lpevent of type tt and subtype ss

Failing Item:

- FWFLASH

CA279001 CA279001

Explanation: The firmware update image contains an update module that is not present in the current image.

CA2799FD CA2799FD

Explanation: The service processor is receiving a server firmware update module

Problem determination: This checkpoint alternates in the control panel with CA2799FF. This pair of checkpoints might stay in the display for up to 30 minutes with no other indication of activity. Do not assume that the system is hung until ONLY CA2799FD has remained in the control panel for at least 30 minutes with no other indication of activity.

If the system hangs on CA2799FD (it is NOT alternating with CA2799FF), power off the system and reboot from the permanent side. Reject the image on the temporary side.

CA2799FF CA2799FF

Explanation: The service processor is writing a server firmware update module.

Problem determination: This checkpoint alternates in the control panel with CA2799FD. This pair of checkpoints might stay in the display for up to 30 minutes with no other indication of activity. Do not assume that the system is hung until ONLY CA2799FF has remained in the control panel for at least 30 minutes with no other indication of activity.

If the system hangs on CA2799FF (it is NOT alternating with CA2799FD), power off the system and reboot from the permanent side. Reject the image on the temporary side.

CA350000 CA350000

Explanation: Begin input/output reporting (IOR) routines.

Failing Item:

- FWFLASH

CA350009 CA350009

Explanation: Begin data collection from a PCI device.

If the system or partition hangs on this code, it may indicate a problem with the device identified by the location code reported with this progress code. Look for SRCs with the format BAxx yyyy in the system management services (SMS) firmware error log; correct any problems that are found.

CA350010 CA350010

Explanation: The input/output reporting (IOR) device driver is executing.

If the system or partition hangs on this code, it may indicate a problem with the device identified by the location code reported with this progress code. Look for SRCs with the format BAxx yyyy in the system management services (SMS) firmware error log; correct any problems that are found.

CA350011 CA350011

Explanation: Execution of the input/output reporting (IOR) device driver is complete.

Failing Item:

- FWFLASH

CA35FFFF CA35FFFF

Explanation: The input/output reporting (IOR) routines have completed.

Failing Item:

- FWFLASH

Chapter 14. (CF00) Linux kernel boot progress codes

CF000012 CF000012

Explanation: Set up initialization.

Problem determination: If the system or partition does not progress past this code, contact your Linux provider.

CF000015 CF000015

Explanation: Set up is complete.

Problem determination: If the system or partition does not progress past this code, contact your Linux provider.

CF000020 CF000020

Explanation: External interrupt controller server initialization.

Problem determination: If the system or partition does not progress past this code, contact your Linux provider.

CF000021 CF000021

Explanation: External interrupt controller server complete.

Problem determination: If the system or partition does not progress past this code, contact your Linux provider.

CF000100 CF000100

Explanation: Memory manager initialization.

Problem determination: If the system or partition does not progress past this code, contact your Linux provider.

Chapter 15. (D1xx) Service processor firmware progress codes

A D1xx reference code indicates that an event or exception occurred in service processor firmware.

To resolve any D1xx reference code, determine if the SRC requires a service action or if it is for tracking purposes only.

Diagnostics analyze an event when it occurs to determine if the event requires service or if the event will only be recorded for tracking purposes and future reference. The determination is based on machine type, model, installed features, configuration, topology and activations at the time of the event.

If you do not find the SRC in a serviceable event view then it is a tracking event only and does not require service. Tracking events appear as **informational** or **Misc.** or **temp** in the IBM i product activity log and the Advanced System Manage Interface (ASMI).

D1XXC351 D1XXC351

Explanation: The CEC server firmware aborted.

Response: Determine if this is a tracking or serviceable event. If this is a tracking event, no service actions are required. Otherwise, use the FRU and procedure callouts detailed with the SRC to determine service actions.

D1XXCA01 D1XXCA01

Explanation: Informational message: Items that were deconfigured by the system were guarded out.

D1XXCA02 D1XXCA02

Explanation: Informational message: items that were deconfigured by the user via the ASMI menus were guarded out.

D1XXCA03 D1XXCA03

Explanation: Informational message: The guard data has been cleared.

D1XXCA04 D1XXCA04

Explanation: Informational message: There is a new version of the guard data.

D1XXCA05 D1XXCA05

Explanation: Informational message: The guard data was corrupted, and has been rebuilt.

D1XXCA06 D1XXCA06

Explanation: Informational message: There was an error when opening a file.

D1XXCA07 D1XXCA07

Explanation: Informational message: There was an error when reading a file.

D1XXCA08 D1XXCA08

Explanation: Informational message: There was an error when writing a file.

D1XXCA09 D1XXCA09

Explanation: Informational message: There was an error when closing a file.

D1XXCA0A D1XXCA0A

Explanation: Informational message: There was an li nk file error.

D1XXCA0B D1XXCA0B

Explanation: Informational message: Failure when setting the DIMM status in the hardware object manager.

D1XXCA0C D1XXCA0C

Explanation: Informational message: Failure when setting the status of a device other than a DIMM.

D1XXCA0D D1XXCA0D

Explanation: Informational message: Failure when reading the system type.

D1XXCA0E D1XXCA0E

Explanation: Informational message: Failure when reading a registry entry.

D1XXCA0F D1XXCA0F

Explanation: Informational message: Failure when getting VPD data.

D1XXCA10 D1XXCA10

Explanation: Informational message: Items that had been guarded out were recovered.

D1XXCA11 D1XXCA11

Explanation: Informational message: The resource ID was not found in the list.

D1XXCA12 D1XXCA12

Explanation: Informational message: Manual configuration or deconfiguration is not allowed.

D1XXCA13 D1XXCA13

Explanation: Informational message: The buffer size is invalid.

D1XXCA14 D1XXCA14

Explanation: Informational message: Unable to return a valid guard state for the requested resource.

D1XXCA15 D1XXCA15

Explanation: Informational message: The guard action that was requested is not allowed.

D1XXCA16 D1XXCA16

Explanation: Informational message: Items that were deconfigured by the system (but are eligible for resource recovery) were guarded out.

Chapter 16. (D1xx) Service processor status progress codes

D1xx status reference codes, posted by the service processor, offer information about the state of the service processor during a power-off operation.

D1XX900C D1XX900C

Explanation: Breakpoint set in CPU controls has been hit

Response: Perform isolation procedure FSPSPD1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

D1XXB0FF D1XXB0FF

Explanation: Request to initiate power-off program has been sent

Response: Perform isolation procedure FSPSPD1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

D1XXC000 D1XXC000

Explanation: Indicates a message is ready to send to the server firmware to power off

Response: Perform isolation procedure FSPSPD1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

D1XXC001 D1XXC001

Explanation: Waiting for the server firmware to acknowledge the delayed power off notification

Response: Perform isolation procedure FSPSPD1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

D1XXC002 D1XXC002

Explanation: Waiting for the server firmware to send the power off message

Response: Perform isolation procedure FSPSPD1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

D1XXC003 D1XXC003

Explanation: Server firmware handshaking is complete

Response: Perform isolation procedure FSPSPD1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

Chapter 17. (D1xx) Service processor dump status progress codes

D1xx service processor dump status codes

Service processor dump status codes use the format of D1yy1xxx, where:

- yy indicates the type of data that is being dumped.
- xxx is a counter that increments each time the server stores 4K of data. When these codes occur during a service processor dump, they appear in the control panel display.

D1001XXX D1001XXX

Explanation: Dump error data

Response: Perform isolation procedure FSPSPD1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

D1011XXX D1011XXX

Explanation: Dump sai_header Hardware Management Console (HMC) file

Response: Perform isolation procedure FSPSPD1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

D101C00F D101C00F

Explanation: No power off to allow debugging for CPU controls

Response: Perform isolation procedure FSPSPD1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

D1021XXX D1021XXX

Explanation: Dump sai_header directory

Response: Perform isolation procedure FSPSPD1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

D1031XXX D1031XXX

Explanation: Dump sai_header fips header

Response: Perform isolation procedure FSPSPD1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

D1041XXX D1041XXX

Explanation: Dump sai_header entry header

Response: Perform isolation procedure FSPSPD1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

D1051XXX D1051XXX

Explanation: Dump core file for failing component

Response: Perform isolation procedure FSPSPD1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

D1061XXX D1061XXX

Explanation: Dump all NVRAM

Response: Perform isolation procedure FSPSPD1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

D1071XXX D1071XXX

Explanation: Dump component trace for failing component

Response: Perform isolation procedure FSPSPD1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

D1081XXX D1081XXX

Explanation: Dump component data from /opt/p0

Response: Perform isolation procedure FSPSPD1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

D1091XXX D1091XXX

Explanation: Dump /opt/p1//*

Response: Perform isolation procedure FSPSPD1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

D1111XXX D1111XXX

Explanation: Dump /opt/p0/*

Response: Perform isolation procedure FSPSPD1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

D1121XXX D1121XXX

Explanation: Dump /opt/p1/*

Response: Perform isolation procedure FSPSPD1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

D1131XXX D1131XXX

Explanation: Dump all traces

Response: Perform isolation procedure FSPSPD1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

D1141XXX D1141XXX

Explanation: Dump code version

Response: Perform isolation procedure FSPSPD1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

D1151XXX D1151XXX

Explanation: Dump all /opt/p3 except rtbl

Response: Perform isolation procedure FSPSPD1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

D1161XXX D1161XXX

Explanation: Dump pddcustomize -r command

Response: Perform isolation procedure FSPSPD1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

D1171XXX D1171XXX

Explanation: Dump registry -l command

Response: Perform isolation procedure FSPSPD1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

D1181XXX D1181XXX

Explanation: Dump all /core/core.* files

Response: Perform isolation procedure FSPSPD1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

D1191XXX D1191XXX

Explanation: Dump BDMP component trace (after dump if enough space)

Response: Perform isolation procedure FSPSPD1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

D11A1XXX D11A1XXX

Explanation: Dump any state information before dumping starts

Response: Perform isolation procedure FSPSPD1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

D11B1XXX D11B1XXX

Explanation: Dump /proc filesystem.

Response: Perform isolation procedure FSPSPD1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

D11C1XXX D11C1XXX

Explanation: Dump mounted filesystem statistics.

Response: Perform isolation procedure FSPSPD1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

D11D1XXX D11D1XXX

Explanation: Dump environment.

Response: Perform isolation procedure FSPSPD1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

D1231XXX D1231XXX

Explanation: Dump update dump headers

Response: Perform isolation procedure FSPSPD1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

D1241XXX D1241XXX

Explanation: Dump CRC1 calculation off

Response: Perform isolation procedure FSPSPD1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

D1251XXX D1251XXX

Explanation: Dump CRC1 calculation on

Response: Perform isolation procedure FSPSPD1. To locate the isolation procedure go to the Isolation

Procedures chapter in your host server Service Guide.

D1261XXX D1261XXX

Explanation: Dump CRC2 calculation off

Response: Perform isolation procedure FSPSPD1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

D1271XXX D1271XXX

Explanation: Dump CRC2 calculation on

Response: Perform isolation procedure FSPSPD1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

D1281XXX D1281XXX

Explanation: Dump output the calculated CRC1 (sai_headers)

Response: Perform isolation procedure FSPSPD1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

D1291XXX D1291XXX

Explanation: Dump output the calculated CRC2 (data and data headers)

Response: Perform isolation procedure FSPSPD1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

D12A1XXX D12A1XXX

Explanation: Jump to the position in dump directly after CRC1

Response: Perform isolation procedure FSPSPD1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

D12B1XXX D12B1XXX

Explanation: Initialize the headers dump time and serial numbers

Response: Perform isolation procedure FSPSPD1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

D12C1XXX D12C1XXX

Explanation: Display final SRC to panel

Response: Perform isolation procedure FSPSPD1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

D12D1XXX D12D1XXX

Explanation: Remove /core/core.app.time.pid

Response: Perform isolation procedure FSPSPD1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

D12E1XXX D12E1XXX

Explanation: Remove /core/core.*

Response: Perform isolation procedure FSPSPD1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

D12F1XXX D12F1XXX

Explanation: Display beginning SRC to panel

Response: Perform isolation procedure FSPSPD1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

D1301XXX D1301XXX

Explanation: Turn off error log capture into dump

Response: Perform isolation procedure FSPSPD1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

D1311XXX D1311XXX

Explanation: Turn on error log capture into dump

Response: Perform isolation procedure FSPSPD1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

D1321XXX D1321XXX

Explanation: Store information about existing core files

Response: Perform isolation procedure FSPSPD1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

D1381XXX D1381XXX

Explanation: Invalidate the dump

Response: Perform isolation procedure FSPSPD1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

D1391XXX D1391XXX

Explanation: Check for valid dump sequence

Response: Perform isolation procedure FSPSPD1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

D13A1XXX D13A1XXX

Explanation: Get dump identity sequence

Response: Perform isolation procedure FSPSPD1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

D13B1XXX D13B1XXX

Explanation: Get dump length sequence

Response: Perform isolation procedure FSPSPD1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

D1FF1XXX D1FF1XXX

Explanation: Dump complete

Response: Perform isolation procedure FSPSPD1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

Chapter 18. (D1xx) Platform dump status progress codes

D1xx platform dump status codes

Platform dump status codes use the format of D1xx3yzz, where:

- xx is the cage or node ID that the dump component is processing. This varies depending on the node the hardware data is being collected from. It will be set to 0xFF when collecting the mainstore memory data.
- y increments from 0x0 to 0xF (to indicate that the system is not hung).
- zz is the command that is being processed (see the list below).

D1XX3Y01 D1XX3Y01

Explanation: Get SCOM.

Response: Perform isolation procedure FSPSPD1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

D1XX3Y02 D1XX3Y02

Explanation: Get scan ring.

Response: Perform isolation procedure FSPSPD1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

D1XX3Y03 D1XX3Y03

Explanation: Get array values.

Response: Perform isolation procedure FSPSPD1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

D1XX3Y04 D1XX3Y04

Explanation: Stop the clocks.

Response: Perform isolation procedure FSPSPD1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

D1XX3Y05 D1XX3Y05

Explanation: Flush the cache.

Response: Perform isolation procedure FSPSPD1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

D1XX3Y06 D1XX3Y06

Explanation: Get CFAM.

Response: Perform isolation procedure FSPSPD1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

D1XX3Y07 D1XX3Y07

Explanation: Put SCOM.

Response: Perform isolation procedure FSPSPD1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

D1XX3Y08 D1XX3Y08

Explanation: Send command.

Response: Perform isolation procedure FSPSPD1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

D1XX3Y09 D1XX3Y09

Explanation: Get optimized cache.

Response: Perform isolation procedure FSPSPD1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

D1XX3Y0A D1XX3Y0A

Explanation: Get GP register.

Response: Perform isolation procedure FSPSPD1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

D1XX3Y0B D1XX3Y0B

Explanation: Processor clean-up.

Response: Perform isolation procedure FSPSPD1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

D1XX3Y0C D1XX3Y0C

Explanation: Get JTAG register.

Response: Perform isolation procedure FSPSPD1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

D1XX3Y0D D1XX3Y0D

Explanation: Stop clocks without quiescing.

Response: Perform isolation procedure FSPSPD1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

D1XX3YF0 D1XX3YF0

Explanation: Memory collection set-up.

Response: Perform isolation procedure FSPSPD1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

D1XX3YF1 D1XX3YF1

Explanation: Memory collection DMA step.

Response: Perform isolation procedure FSPSPD1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

D1XX3YF2 D1XX3YF2

Explanation: Memory collection cleanup.

Response: Perform isolation procedure FSPSPD1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

Chapter 19. (D2xx) Partition status progress codes

D2xxxxxx progress codes are posted by the Virtual Service Processor (VSP) when powering down a partition.

D200A100 D200A100

Explanation: Received MSD SP attention

D200A110 D200A110

Explanation: Received CPM SP attention

D200A120 D200A120

Explanation: Received LL SP attention

D200A130 D200A130

Explanation: Received RPA end-of-life event

D200A200 D200A200

Explanation: Begin partition power down. SRC word 3 contains the reason for the power off.

Problem determination: SRC word 3 power down reasons

- 1: White button power down (also known as delayed power off)
- 2: Partition requested power down
- 3: Partition requested end of life
- 4: System wide shutdown
- 5: Attention link loader
- 6: Attention MSD
- 7: Panel function 3 requested
- 8: Panel function 8 requested
- 9: Panel function 22 requested
- A: Panel function 34 requested

D200B050 D200B050

Explanation: Begin transfer slot locks to VSP

D200B05F D200B05F

Explanation: End transfer slot locks to VSP

D200B060 D200B060

Explanation: Begin transfer VIO slot locks to VSP

D200B06F D200B06F

Explanation: End transfer VIO slot locks to VSP

D200B070 D200B070

Explanation: Begin reset slots

D200B077 D200B077

Explanation: Waiting for reset slots

D200B07F D200B07F

Explanation: End reset slots

D200B080 D200B080

Explanation: Begin reset VIO slots

D200B08F D200B08F

Explanation: End reset VIO slots

D200B090 D200B090

Explanation: Begin soft POR slots

D200B097 D200B097

Explanation: Waiting soft POR slots

D200B09F D200B09F

Explanation: End soft POR slots

D200B100 D200B100

Explanation: Sending Hypervisor reset

D200B1FF D200B1FF

Explanation: Hypervisor reset successfully sent

D200B200 D200B200

Explanation: Begin forced LP reset (after the 1 second timeout)

D200B210 D200B210

Explanation: Send CSP/FSP soft processor reset command (word 3 processor ID, word 4 thread ID)

D200B2FF D200B2FF

Explanation: End forced LP reset

D200B300 D200B300

Explanation: Closing Hypervisor events paths

D200B310 D200B310

Explanation: Deactivating panel functions

D200B3FF D200B3FF

Explanation: Hypervisor reset complete successfully

D200C100 D200C100

Explanation: Sending Hypervisor I/O reset

D200C1FF D200C1FF

Explanation: Hypervisor I/O reset sent successfully

D200C200 D200C200

Explanation: Deallocating events

D200C2FF D200C2FF

Explanation: Hypervisor I/O reset complete successfully

D200D100 D200D100

Explanation: Removing partition configuration resources

D200D1FF D200D1FF

Explanation: Partition resources removed successfully

D200E050 D200E050

Explanation: Begin power off slots

D200E057 D200E057

Explanation: Waiting power off slots

D200E05F D200E05F

Explanation: End power off slots

D200E060 D200E060

Explanation: Begin power off VIO slots

D200E06F D200E06F

Explanation: End power off VIO slots

D200E080 D200E080

Explanation: Begin release slot locks

D200E08F D200E08F

Explanation: End release slot locks

D200E090 D200E090

Explanation: Begin release VIO slot locks

D200E09F D200E09F

Explanation: End release VIO slot locks

D200E0A0 D200E0A0

Explanation: Begin unassociate of system ports

D200E0A8 D200E0A8

Explanation: Unassociate system ports from an RPA partition

D200E0AF D200E0AF

Explanation: End unassociate of system ports

D200E100 D200E100

Explanation: Power off SPCN racks

D200E110 D200E110

Explanation: Issuing a rack power off command

D200E120 D200E120

Explanation: Rack power off command complete successfully

D200E1FF D200E1FF

Explanation: SPCN racks powered off phase complete

Chapter 20. (D6xx) General status progress codes

Learn about general status progress codes with a format of D6xxxxxx.

The following list contains general status progress codes with a format of D6xxxxxx in numeric order. The xx after D6 in each progress code represents two hexadecimal numbers that further define the progress code.

D6000298 D6000298

Explanation: Managed system power down started

D6000299 D6000299

Explanation: Managed system power down status

D6000483 D6000483

Explanation: Power failed; delay timer is running

D6000484 D6000484

Explanation: MI run in progress

D600430A D600430A

Explanation: Operating system service partition power down status: indicates that a server firmware code update is in progress for the P-side (permanent) of the managed system.

Problem determination: Your server may display this progress code for an extended period of time where the "xx" increments periodically. Allow the server to complete the processing. Do not interrupt this process.

D600430B D600430B

Explanation: Operating system service partition power down status indicates that a server firmware code update is in progress for the T-side (temporary) of the managed system.

Problem determination: Your server may display this progress code for an extended period of time where the "xx" increments periodically. Allow the server to complete the processing. Do not interrupt this process.

D60043BA D60043BA

Explanation: Operating system service partition power down status indicates that a server firmware code update is in progress to copy the server firmware from the T-side (temporary) of the managed system to the P-side (permanent).

Problem determination: Your server may display this progress code for an extended period of time. Allow the server to complete the processing. Do not interrupt this process.

D6005500 D6005500

Explanation: Managed system power down status; attempting to delete information from the disk subsystem cache

D6005501 D6005501

Explanation: Managed system power down status; indicates that the information from the disk subsystem cache was deleted successfully

D6005502 D6005502

Explanation: Managed system power down status; indicates that the system failed to delete information from the disk subsystem cache

D6005503 D6005503

Explanation: Managed system power down status, which indicates the information from the disk subsystem cache was deleted with qualified success

D6xx0298 D6xx0298

Explanation: Managed system power down started

D6xx0299 D6xx0299

Explanation: Managed system power down status

D6xx0483 D6xx0483

Explanation: Power failed; delay timer is running

D6xx0484 D6xx0484

Explanation: MI run in progress

D6xx430A D6xx430A

Explanation: Operating system service partition power down status: indicates that a server firmware code

update is in progress for the P-side (permanent) of the managed system.

Problem determination: Your server may display this progress code for an extended period of time where the "xx" increments periodically. Allow the server to complete the processing. Do not interrupt this process.

D6xx430B D6xx430B

Explanation: Operating system service partition power down status indicates that a server firmware code update is in progress for the T-side (temporary) of the managed system.

Problem determination: Your server may display this progress code for an extended period of time where the "xx" increments periodically. Allow the server to complete the processing. Do not interrupt this process.

D6xx43BA D6xx43BA

Explanation: Operating system service partition power down status indicates that a server firmware code update is in progress to copy the server firmware from the T-side (temporary) of the managed system to the P-side (permanent).

Problem determination: Your server may display this progress code for an extended period of time. Allow the server to complete the processing. Do not interrupt this process.

D6xx5500 D6xx5500

Explanation: Managed system power down status; attempting to delete information from the disk subsystem cache

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D6xx5501 D6xx5501

Explanation: Managed system power down status; indicates that the information from the disk subsystem cache was deleted successfully

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D6xx5502 D6xx5502

Explanation: Managed system power down status; indicates that the system failed to delete information from the disk subsystem cache

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D6xx5503 D6xx5503

Explanation: Managed system power down status, which indicates the information from the disk subsystem cache was deleted with qualified success

Chapter 21. (D9xx) General status progress codes

The D9xx progress codes indicate the progress of powering-off a partition.

Not all progress codes below apply to all operating systems.

D9002740 Refcode_D9002740

Explanation: Power off immediate

D9002750 Refcode_D9002750

Explanation: All subsystems ended

D9002760 Refcode_D9002760

Explanation: Device configuration shutdown

D9002770 Refcode_D9002770

Explanation: QLUS job ending

D9002780 Refcode_D9002780

Explanation: Close database cross-reference files

D9002790 Refcode_D9002790

Explanation: QSYSARB job ending

D90027C0 Refcode_D90027C0

Explanation: System jobs are ending

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European Community contact:
IBM Technical Regulations
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Tele: 0049 (0)711 785 1176
Fax: 0049 (0)711 785 1283
E-mail: tjahn@de.ibm.com

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Verantwortlich für die Konformitätserklärung nach des EMVG ist die IBM Deutschland GmbH, 70548 Stuttgart.

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