IBM Information Management System V15.1 delivers functional enhancements through the Continuous Delivery model

Overview

IBM(R) is committed to a Continuous Delivery (CD) roadmap that delivers regular capability updates for current releases of IBM Information Management Systems (IMS). The following key features are part of this CD release of IMS V15.1:

Simplified system management and administration

- Batch Data Definition Language (DDL) utility enhancement
- Capability to enable or disable zHyperWrite
- Automatic start of Common Service Layer (CSL) address spaces enhancement

Key requirements

IMS V15 interoperates with:

- IBM z/OS(R)
- IBM z(R) processor
- Java(TM)
- Internal Resource Lock Manager (IRLM)
- IBM Db2(R)
- IBM CICS(R)
- IBM WebSphere(R) MQ
- IBM WebSphere Application Server
- COBOL

For details, see the Technical information section.

Planned availability date

March 26, 2019

Description
IBM IMS V15.1 offers new enhancements and capabilities that are continuously delivered through the standard IBM IMS service channel.

**Simplified system management and administration**

- **Batch DDL utility enhancement**
  
The DDL generation batch utility enables an IMS database administrator or system programmer to generate DDL statements from existing IMS catalog metadata or program specification (PSB) and database definition (DBD) source.

- **Capability to enable or disable zHyperWrite**
  
  An IMS system programmer can dynamically enable or disable the use of IBM zHyperWrite technology for the online log data sets (OLDS) and write ahead data sets (WADS) by using the ZHYPERWRITE keyword on the UPDATE IMS command, as shown in this example, UPD IMS SET(LCLPARM(ZHYPERWRITE(OLDS(Y),WADS(Y)))).

- **Automatic start of CSL address spaces enhancement**
  
  IMS is enhanced to automatically start the CSL address spaces when RMENV=Y (Resource Manager (RM) is in the IMSplex), if a Structured Call Interface (SCI), OM (Operations Manager) and RM procedure are defined in the DFSDFxxx or DFSCGxxx proclib member. The CSL address spaces include SCI, OM, and RM.

For detailed information on the new capabilities, see the following APARs:

<table>
<thead>
<tr>
<th>Capability</th>
<th>Availability method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Batch DDL utility enhancement</td>
<td>IMS V15.1 APAR PH02397</td>
</tr>
<tr>
<td>Capability to enable or disable zHyperWrite</td>
<td>IMS V15.1 APAR PH02149</td>
</tr>
<tr>
<td>Automatic start of CSL address spaces enhancement</td>
<td>IMS V15.1 APAR PH04044</td>
</tr>
</tbody>
</table>

**Hardware and software support services**

**SmoothStart/installation services**

IBM Installation Services are provided for IMS by IBM Global Services or your IBM Business Partner at an additional cost. For additional information, contact your IBM representative and ask for Installation Services for IMS.

Additional technical services (planning and migration assistance, performance tuning, and other services) can be obtained through the Worldwide IMS Product Affinity Services team. For more information, contact the team at dmservices@us.ibm.com.

**Program number**

<table>
<thead>
<tr>
<th>Program number</th>
<th>VRM</th>
<th>Program name</th>
</tr>
</thead>
<tbody>
<tr>
<td>5635-A06</td>
<td>15.1.0</td>
<td>IBM Information Management System</td>
</tr>
<tr>
<td>5655-DS5</td>
<td>15.1.0</td>
<td>IBM Information Management System Database Value Unit Edition</td>
</tr>
<tr>
<td>5655-DSR</td>
<td>1.1.0</td>
<td>IBM Information Management System Database Value Unit Edition S&amp;S</td>
</tr>
<tr>
<td>5655-TM4</td>
<td>15.1.0</td>
<td>IBM Information Management System</td>
</tr>
</tbody>
</table>
Business Partner information

If you are a Direct Reseller - System Reseller acquiring products from IBM, you may link directly to Business Partner information for this announcement. A PartnerWorld ID and password are required (use IBMid).

BP Attachment for Announcement Letter 219-177

Technical information

Specified operating environment

Hardware requirements

IMS V15 runs only in z/Architecture® mode on an IBM System z10® processor, or later.

Software requirements

The following minimum version, release, or modification levels are supported for interoperation with IMS V15 (as long as these versions remain available and supported by IBM):

- z/OS V2.2 (5650-ZOS), or later
  - DFSMS V2.2 APAR OA50569 and its prerequisite and corequisite APARs for data set encryption support
- RACF® (included in a separately orderable Security Server feature of z/OS V2.2) or equivalent, if security is used
- IBM High-Level Assembler Toolkit (a separately orderable feature of z/OS V2.2)
- Java Development Kit (JDK) 8, if using IMS Universal drivers or Java dependent regions
- Db2 for z/OS, V11 (5615-DB2®), or later
- IRLM V2.3 (5635-A06), or later, if data sharing is used; IRLM is delivered with IMS V15
- CICS V4.2 (5655-S97), or later.
  - CICS 5.1 is required for ISC TCP/IP.
- IBM MQ (5724-H72) V7.5
- WebSphere Application Server for z/OS (5655-W65) or WebSphere Application Server for distributed platforms, V8.5.5 (5724-J08)
- COBOL V5.1 (5655-W32), or later, with IMS coprocessor support, if using IMS SQL support for COBOL application programs
- System-Managed CF Structure Duplexing is recommended, though not required, for the Resource Manager resource structure

IMS V15 is written in High Level Assembler, PL/X, C, C++, and Java.

User group requirements

This announcement satisfies or partially satisfies the following requirements from one or more of the worldwide user group communities. Groups include COMMON, COMMON Europe, Guide Share Europe (GSE), InterAction (Australia/New Zealand), Japan Guide Share (JGS), and SHARE Inc.
Not all features associated with these requirements are referenced in this announcement, even though they have been delivered. See the IMS information in IBM Knowledge Center for more information on enhancements that are not covered in this announcement.

**Request for Enhancement (RFE) list**

<table>
<thead>
<tr>
<th>Number</th>
<th>Enhancement description</th>
</tr>
</thead>
<tbody>
<tr>
<td>RFE 42151</td>
<td>Allow IMS to start CSL tasks if not started even with RMENV=Y</td>
</tr>
<tr>
<td>RFE 112900</td>
<td>Convert existing PSB/DBD to DDL statements in batch</td>
</tr>
<tr>
<td>RFE 113585</td>
<td>Batch utility to create DDL statement from existing IMS managed ACB metadata</td>
</tr>
</tbody>
</table>

For requirements that do not appear in this list, see the IMS RFE Community.

**Ordering information**

Ordering information is unchanged from information which was previously announced in Software Announcement 217-398, dated October 3, 2017.

**Publications**

IMS V15 documentation is published in IBM Knowledge Center, which can be viewed from a web browser.

The following softcopy publications are available in PDF file format to download from IBM Knowledge Center.

<table>
<thead>
<tr>
<th>Title</th>
<th>Order number</th>
</tr>
</thead>
<tbody>
<tr>
<td>IBM IMS V15 Program Directory</td>
<td>GI13-4614-01</td>
</tr>
<tr>
<td>IBM IMS V15 DB VUE Program Directory</td>
<td>GI13-4692-00</td>
</tr>
<tr>
<td>IBM IMS V15 TM and ETO VUE Program Directory</td>
<td>GI13-4690-00</td>
</tr>
</tbody>
</table>

Subsequent updates (technical newsletters or revisions between releases) to the publications shipped with the product will be distributed to the user of record for as long as a license for this software remains in effect. A separate publication order or subscription is not needed.

**Customized Offerings**

Product deliverables are shipped only through CBPDO and ServerPac. These customized offerings are offered for internet delivery from Shopz. For more details on internet delivery, go to the Help section on the Shopz website.

You choose the delivery method when you order the software. IBM recommends internet delivery. However, if you still require physical media, you can choose DVD.

Many products can be ordered in ServerPac the month following their availability in CBPDO. z/OS can be ordered through CBPDO and ServerPac at general availability. Many products will also be orderable in a Product ServerPac without also having to order the z/OS operating system or subsystem.

Shopz and CFSW will determine the eligibility based on product requisite checking. For more details on the product ServerPac, go to the Help section on the Shopz website.

Production of software product orders will begin on the planned general availability date.

- CBPDO shipments will begin one week after general availability.
• ServerPac shipments will begin two weeks after general availability.

Terms and conditions

The terms are unaffected by this announcement.

Statement of good security practices

IT system security involves protecting systems and information through prevention, detection, and response to improper access from within and outside your enterprise. Improper access can result in information being altered, destroyed, or misappropriated or can result in misuse of your systems to attack others. Without a comprehensive approach to security, no IT system or product should be considered completely secure and no single product or security measure can be completely effective in preventing improper access. IBM systems and products are designed to be part of a lawful, comprehensive security approach, which will necessarily involve additional operational procedures, and may require other systems, products, or services to be most effective.

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IBM Electronic Services

Electronic Service Agent and the IBM Electronic Support web portal are dedicated to providing fast, exceptional support to IBM Systems clients. The IBM Electronic Service Agent tool is a no-additional-charge tool that proactively monitors and reports hardware events, such as system errors, performance issues, and inventory. The Electronic Service Agent tool can help you stay focused on your company’s strategic business initiatives, save time, and spend less effort managing day-to-day IT maintenance issues. Servers enabled with this tool can be monitored remotely around the clock by IBM Support, all at no additional cost to you.

Now integrated into the base operating system of AIX\textsuperscript{R} V5.3, AIX V6.1, and AIX V7.1, Electronic Service Agent is designed to automatically and electronically report system failures and utilization issues to IBM, which can result in faster problem resolution and increased availability. System configuration and inventory information collected by the Electronic Service Agent tool also can be viewed on the secure Electronic Support web portal, and used to improve problem determination and resolution by you and the IBM support team. To access the tool main menu, simply type smitty esa_main, and select Configure Electronic Service Agent. In addition, ESA now includes a powerful web user interface, giving the administrator easy access to status, tool settings, problem information, and filters. For more information and documentation on how to configure and use Electronic Service Agent, go to the IBM Electronic Service Agent website.

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Benefits

**Increased uptime:** The Electronic Service Agent tool is designed to enhance the Warranty or Maintenance Agreement by providing faster hardware error reporting and uploading system information to IBM Support. This can translate to less wasted
time monitoring the symptoms, diagnosing the error, and manually calling IBM Support to open a problem record. Its 24 x 7 monitoring and reporting mean intervention is not required to report errors.

**Security:** The Electronic Service Agent tool is designed to be secure in monitoring, reporting, and storing the data at IBM. The Electronic Service Agent tool is designed to securely transmit either through the internet (HTTPS or VPN) or modem to provide clients a single point of exit from their site. Communication is one way. Activating Electronic Service Agent does not enable IBM to call into a client’s system.

For additional information, go to the IBM Electronic Service Agent website.

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