System i
Managing the HMC 5250 console
System i
Managing the HMC 5250 console
Note

Before using this information and the product it supports, read the information in "Notices" on page 7 and the IBM Systems Safety Information manual, G229-9054.

Sixth Edition (September 2007)

This edition applies to version 5, release 4, modification 0 of IBM i5/OS (product number 5722-SS1) and to all subsequent releases and modifications until otherwise indicated in new editions. This version does not run on all reduced instruction set computer (RISC) models nor does it run on CISC models.

US Government Users Restricted Rights – Use, duplication or disclosure restricted by GSA ADP Schedule Contract with IBM Corp.
About this publication

This topic provides the user with directions on how to set up the i5/OS® logical partition so that it can communicate with the HMC (Hardware Management Console) 5250 console, and how to connect to the 5250 console on the HMC so that it can communicate with the i5/OS logical partition.

For information about the accessibility features of this product, for users who have a physical disability, see “Accessibility features,” on page 5.
Managing the HMC 5250 console

Learn how the Hardware Management Console (HMC) provides support to host the 5250 console for an i5/OS logical partition.

Note: The remote HMC client is not able to start a 5250 emulator.

PDF file for Managing the HMC 5250 console

You can view and print a PDF file of this information.

To view or download the PDF version of this document, select Managing the HMC 5250 console (about 120 KB).

Saving PDF files

To save a PDF on your workstation for viewing or printing:
1. Right-click the PDF link in your browser.
2. Click the option that saves the PDF locally.
3. Navigate to the directory in which you want to save the PDF.
4. Click Save.

Downloading Adobe Reader

You need Adobe Reader installed on your system to view or print these PDFs. You can download a free copy from the Adobe Web site (www.adobe.com/products/acrobat/readstep2.html).

Preparing the logical partition to connect

Learn how to set up your i5/OS logical partition so that it can communicate with the Hardware Management Console (HMC) 5250 console.

To connect to a 5250 console using the HMC, you must first create an i5/OS logical partition with some specific profile properties. To set up an i5/OS logical partition’s properties so that you can connect to a 5250 console, do the following:
1. In the navigation area, expand the Server and Partition folder.
2. Select Server Management.
3. In the contents area, open the server on which the logical partition is located.
4. Open Partitions.
5. Right-click the logical partition profile and select Properties. The profile properties window opens.
6. Click the Tagged I/O tab.
7. Select Use HMC console and click OK.

The logical partition is now ready to be powered on and connected to the HMC 5250 console.

If your partition is already powered on, you can verify the current console settings by doing the following:
Important: Use this procedure for partitions that you created. If you are using the default configuration, these properties will be blank.

1. In the navigation area, expand the Server and Partition folder.
2. Select Server Management.
3. In the contents area, open the server on which the logical partition is located.
4. Open Partitions.
5. Right-click the logical partition profile and select Properties. The profile properties window opens.
6. Click the Tagged I/O tab.
7. Verify that Use HMC console is selected, and click OK.

---

**Connecting to a 5250 console**

Learn how to connect to the 5250 console on the Hardware Management Console (HMC) so that it can communicate with the i5/OS logical partition.

To connect to the 5250 console so that it can communicate with the i5/OS logical partition, you must connect to the 5250 proxy on an HMC that is managing the managed system.

**Connecting to a 5250 console locally**

Learn how to connect to a 5250 console locally.

To connect to a 5250 console locally, complete the following steps:

1. In the navigation area, expand the Server and Partition folder.
2. Select Server Management.
3. In the contents area, right-click on the partition and select **Open dedicated 5250 console** or **Open shared 5250 console**. If you select **Shared**, you must enter a session key that can be used by another user with another 5250 emulator. If you are the first user, the session key is entered twice to verify accuracy and it is not echoed to the window as you type. Selecting this option allows you to:
   - Share a console session
   - See the same logical partition console windows
   - Navigate each of the logical partition console windows

   If you select **Open dedicated 5250 console**, other users are not able to share the session with you.

**Connecting to a 5250 console remotely**

Learn how to connect to a 5250 console remotely, in addition to configuring remote security and the Hardware Management Console (HMC) firewall.

The remote support for HMC 5250 can use the same SSL configuration as System Manager Security on the HMC. For more information, see System Manager Security.

To connect to a 5250 console remotely, you must use one of the following emulators:

- IBM® iSeries® Access PC5250 emulator, Version 5, Release 3 with PTF SI13587 or later
- IBM Personal Communications 5250 emulator, Version 5.7 or later
- iSeries Access for Linux® emulator, Version 5.2.0-1.4 or later

**Note:**

To view your service pack level, select **Start** → **Programs** → **IBM iSeries Access for Windows®** → **Service** → **Check Service Level**.

To connect remotely, complete the following steps:
1. Configure HMC support for your PC that is running Windows or Linux.
   To configure your PC that is running Windows, do the following:
   a. Open the 5250 emulator application on your PC.
   b. Create a new session.
   c. In the Configure PC 5250 window, type the HMC host name or IP address in the System Name field and indicate the port number. Type 2300 into the port number field if you are not using SSL, or 2301 if you are using SSL.
   d. Select Properties.
   e. If you are using the IBM iSeries Access PC520 emulator, do the following:
      1) Select Use default User ID, prompt as needed from the menu.
      2) Type Q#HMC into the User ID field.
         
         Note: The user ID, Q#HMC, is not used for security authentication. You will be prompted for additional security values by the HMC Telnet Proxy.
      3) If you are not using SSL, select Not secured as the security setting, or select your current SSL level.

   To configure your PC that is running Linux, complete the following steps:
   a. Create a new session by using the setup5250 configuration program.
   b. In the 5250 Emulator Connection window, type the HMC TCP system name or IP address in the AS/400 Host Name field.
   c. Select Advanced 5250 Connection. The Advanced 5250 Emulator Connection window is displayed.
   d. Type 2300 into the Telnet Port number field.
   e. Type Q#HMC into the Emulator User ID and Emulator Password fields.
      
      Note: The user ID, Q#HMC, is not used for security authentication. You will be prompted for additional security values by the HMC Telnet Proxy. The Emulator Password field is ignored. As a result, any character string can be used.

2. Open the 5250 emulator and select the language you want to see on the interface.
3. Log in using your HMC user ID and password.
4. Select the managed system that contains the logical partition to which you want to connect.
5. Select the logical partition to which you want to connect.
   • If you select Shared, you must enter a session key that can be used by another user with another 5250 emulator. If you are the first user, the session key is entered twice to verify accuracy.
   • If you select Dedicated, other users are not able to share the session with you.
   • If you select Details, you can view which users are connected to this partition.

If you want to configure the HMC firewall, see Changing HMC firewall settings.

Related concepts
System Manager Security

Related tasks
Changing HMC firewall settings
Appendix. Accessibility features

Accessibility features help users who have a physical disability, such as restricted mobility or limited vision, to use information technology products successfully.

The following list includes the major accessibility features:
• Keyboard-only operation
• Interfaces that are commonly used by screen readers
• Keys that are tactiley discernible and do not activate just by touching them
• Industry-standard devices for ports and connectors
• The attachment of alternative input and output devices

IBM and accessibility

See the IBM Accessibility Center at http://www.ibm.com/able/ for more information about the commitment that IBM has to accessibility.
Notices

This information was developed for products and services offered in the U.S.A.

The manufacturer may not offer the products, services, or features discussed in this document in other countries. Consult the manufacturer's representative for information on the products and services currently available in your area. Any reference to the manufacturer's product, program, or service is not intended to state or imply that only that product, program, or service may be used. Any functionally equivalent product, program, or service that does not infringe any intellectual property right of the manufacturer may be used instead. However, it is the user's responsibility to evaluate and verify the operation of any product, program, or service.

The manufacturer may have patents or pending patent applications covering subject matter described in this document. The furnishing of this document does not give you any license to these patents. You can send license inquiries, in writing, to the manufacturer.

For license inquiries regarding double-byte (DBCS) information, contact the Intellectual Property Department in your country or send inquiries, in writing, to the manufacturer.

The following paragraph does not apply to the United Kingdom or any other country where such provisions are inconsistent with local law: THIS INFORMATION IS PROVIDED "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF NON-INFRINGEMENT, MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. Some states do not allow disclaimer of express or implied warranties in certain transactions, therefore, this statement may not apply to you.

This information could include technical inaccuracies or typographical errors. Changes are periodically made to the information herein; these changes will be incorporated in new editions of the publication. The manufacturer may make improvements and/or changes in the product(s) and/or the program(s) described in this publication at any time without notice.

Any references in this information to Web sites not owned by the manufacturer are provided for convenience only and do not in any manner serve as an endorsement of those Web sites. The materials at those Web sites are not part of the materials for this product and use of those Web sites is at your own risk.

The manufacturer may use or distribute any of the information you supply in any way it believes appropriate without incurring any obligation to you.

Licensees of this program who wish to have information about it for the purpose of enabling: (i) the exchange of information between independently created programs and other programs (including this one) and (ii) the mutual use of the information which has been exchanged, should contact the manufacturer.

Such information may be available, subject to appropriate terms and conditions, including in some cases, payment of a fee.

The licensed program described in this information and all licensed material available for it are provided by IBM under terms of the IBM Customer Agreement, IBM International Program License Agreement, IBM License Agreement for Machine Code, or any equivalent agreement between us.

Any performance data contained herein was determined in a controlled environment. Therefore, the results obtained in other operating environments may vary significantly. Some measurements may have
been made on development-level systems and there is no guarantee that these measurements will be the same on generally available systems. Furthermore, some measurements may have been estimated through extrapolation. Actual results may vary. Users of this document should verify the applicable data for their specific environment.

Information concerning products not produced by this manufacturer was obtained from the suppliers of those products, their published announcements or other publicly available sources. This manufacturer has not tested those products and cannot confirm the accuracy of performance, compatibility or any other claims related to products not produced by this manufacturer. Questions on the capabilities of products not produced by this manufacturer should be addressed to the suppliers of those products.

All statements regarding the manufacturer’s future direction or intent are subject to change or withdrawal without notice, and represent goals and objectives only.

The manufacturer’s prices shown are the manufacturer’s suggested retail prices, are current and are subject to change without notice. Dealer prices may vary.

This information is for planning purposes only. The information herein is subject to change before the products described become available.

This information contains examples of data and reports used in daily business operations. To illustrate them as completely as possible, the examples include the names of individuals, companies, brands, and products. All of these names are fictitious and any similarity to the names and addresses used by an actual business enterprise is entirely coincidental.

COPYRIGHT LICENSE:

This information contains sample application programs in source language, which illustrate programming techniques on various operating platforms. You may copy, modify, and distribute these sample programs in any form without payment to the manufacturer, for the purposes of developing, using, marketing or distributing application programs conforming to the application programming interface for the operating platform for which the sample programs are written. These examples have not been thoroughly tested under all conditions. The manufacturer, therefore, cannot guarantee or imply reliability, serviceability, or function of these programs.

CODE LICENSE AND DISCLAIMER INFORMATION:

The manufacturer grants you a nonexclusive copyright license to use all programming code examples from which you can generate similar function tailored to your own specific needs.

SUBJECT TO ANY STATUTORY WARRANTIES WHICH CANNOT BE EXCLUDED, THE MANUFACTURER, ITS PROGRAM DEVELOPERS AND SUPPLIERS, MAKE NO WARRANTIES OR CONDITIONS EITHER EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OR CONDITIONS OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, AND NON-INFRINGEMENT, REGARDING THE PROGRAM OR TECHNICAL SUPPORT, IF ANY.

UNDER NO CIRCUMSTANCES IS THE MANUFACTURER, ITS PROGRAM DEVELOPERS OR SUPPLIERS LIABLE FOR ANY OF THE FOLLOWING, EVEN IF INFORMED OF THEIR POSSIBILITY:
1. LOSS OF, OR DAMAGE TO, DATA;
2. SPECIAL, INCIDENTAL, OR INDIRECT DAMAGES, OR FOR ANY ECONOMIC CONSEQUENTIAL DAMAGES; OR
3. LOST PROFITS, BUSINESS, REVENUE, GOODWILL, OR ANTICIPATED SAVINGS.
SOME JURISDICTIONS DO NOT ALLOW THE EXCLUSION OR LIMITATION OF DIRECT, INCIDENTAL, OR CONSEQUENTIAL DAMAGES, SO SOME OR ALL OF THE ABOVE LIMITATIONS OR EXCLUSIONS MAY NOT APPLY TO YOU.

Each copy or any portion of these sample programs or any derivative work, must include a copyright notice as follows:

© (your company name) (year). Portions of this code are derived from IBM Corp. Sample Programs. © Copyright IBM Corp. _enter the year or years_. All rights reserved.

If you are viewing this information in softcopy, the photographs and color illustrations may not appear.

**Trademarks**

The following terms are trademarks of International Business Machines Corporation in the United States, other countries, or both:

i5/OS
IBM
iSeries
System i

Linux is a registered trademark of Linus Torvalds in the United States, other countries, or both.

Other company, product or service names may be trademarks or service marks of others.

**Terms and conditions**

Permissions for the use of these publications is granted subject to the following terms and conditions.

**Personal Use:** You may reproduce these publications for your personal, noncommercial use provided that all proprietary notices are preserved. You may not distribute, display or make derivative works of these publications, or any portion thereof, without the express consent of the manufacturer.

**Commercial Use:** You may reproduce, distribute and display these publications solely within your enterprise provided that all proprietary notices are preserved. You may not make derivative works of these publications, or reproduce, distribute or display these publications or any portion thereof outside your enterprise, without the express consent of the manufacturer.

Except as expressly granted in this permission, no other permissions, licenses or rights are granted, either express or implied, to the publications or any data, software or other intellectual property contained therein.

The manufacturer reserves the right to withdraw the permissions granted herein whenever, in its discretion, the use of the publications is detrimental to its interest or, as determined by the manufacturer, the above instructions are not being properly followed.

You may not download, export or re-export this information except in full compliance with all applicable laws and regulations, including all United States export laws and regulations.

THE MANUFACTURER MAKES NO GUARANTEE ABOUT THE CONTENT OF THESE PUBLICATIONS. THESE PUBLICATIONS ARE PROVIDED "AS-IS" AND WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO IMPLIED WARRANTIES OF MERCHANTABILITY, NON-INFRINGEMENT, AND FITNESS FOR A PARTICULAR PURPOSE.