

Installing Robot Browser Interface 2.0

Before You Begin

Read these instructions completely before you begin. The installation process calls a Help/Systems program to create or change the two Help/Systems user profiles. RBTUSER and RBTADMIN. The RBTUSER and RBTADMIN profiles were created for the following reasons:

- They satisfy requests from corporate auditors that our objects be owned differently from IBM objects.
- They allow us to build a secure product for your environment.
- They isolate Help/Systems products from IBM changes to the QPGMR or QSECOFR profile defaults.

Considerations for Robot Browser Interface 2.0

- This Help/FACTS describes how to install and access the Robot Browser Interface. There are three parts to this process:
 1. Install the Robot Browser Interface on your Login Server (also known as the Database Server).
 2. Install the Robot Browser Interface on your Portal Server (also known as the Web server).
 3. Access the Robot Browser Interface.
- Your Login Server must be a System i server. If you have multiple System i machines, you must decide which System i to use based on the following considerations:
 - The Login Server is the server that is used to validate Robot Browser Interface users.
 - Each Robot Browser Interface user must have a user profile on the Login Server.
 - You must have the licensed program, 5722SS1 Opt 12—Host Servers, installed on this server.
- Your Portal Server can be a System i, Windows, UNIX, or Linux server. You must decide which server to use, based on the following considerations:
 - The Portal Server is the server that users connect to when they access the Robot Browser Interface.
 - Depending on the server, you need the software and hardware shown in the table on the following page.

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Server	Software	Hardware
Windows	<ul style="list-style-type: none"> Windows XP SP2 Pro Windows 2003 Windows Vista 	<ul style="list-style-type: none"> Hardware needed to meet Windows minimum requirements 30 MB of disk space 256 MB of RAM
UNIX/ Linux	<ul style="list-style-type: none"> Sun Solaris 9 OS AIX 5.3, plus required patches for Java 1.5 HP-UX 11.23 (11i v2) Linux x86 Kernel version 2.6 	<ul style="list-style-type: none"> A server with a 400 MHz, or higher, CPU 30 MB of disk space 256 MB of RAM
System i	<ul style="list-style-type: none"> i5/OS V5R3 or V5R4 <p>Licensed Programs for V5R3</p> <ul style="list-style-type: none"> 5722SS1 opt 12—OS/400—Host Servers 5722SS1 opt 30—OS/400—Q Shell Interpreter 5722SS1 opt 33—Portable App Solutions Environment 5722JV1 opt 7—Java Developer Kit 1.5 5722AC3—Crypto Access Provider 128-bit <p>Licensed Programs for V5R4</p> <ul style="list-style-type: none"> 5722SS1 opt 12—Host Servers 5722SS1 opt 30—OS/400—Q Shell Interpreter 5722SS1 opt 33—Portable App Solutions Environment 5722JV1 opt 7—Java Developer Kit 5.0 5722SS1 opt 35—CCA Cryptographic Service Provider 	<ul style="list-style-type: none"> 50 MB of disk space

To use the following portlets, the Robot products need to be at a minimum of the following levels:

Robot Product	Minimum Level
Robot/SCHEDULE	10.0
Robot/SPACE	2.0
Robot/NETWORK	10.0
Robot/REPORTS	7.0
Robot/ALERT	5.0

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Installing on the Login Server

1. Install the RBTPORLIB library on your System i, using one of the following methods:
 - A. Place the CD labeled *i5/OS Code* into the CD drive on your System i and enter the following command:
LODRUN OPT_{xx}
where **OPT_{xx}** is your optical drive.
 - B. Download the .hs file from the Help/Systems Web site and follow the installation instructions.
2. Select the option to install the Robot Browser Interface on your System i. This option installs the RBTPORLIB library on your System i.
 - If your System i is also your Portal (Web) server, when you are installing the RBTPORLIB library, select ***YES** for the Install Web Server option. Selecting this option creates a helpsystems directory in the Integrated File System (IFS) on the System i and copies the necessary software to the directory. You can use the command **RBTPORLIB/PORCHGPORT** to change the port number after the installation process. Continue with the section, Starting the Portal Server.
 - If your Portal server is a Windows server, see Installing on a Windows Portal Server.
 - If your Portal server is a UNIX or Linux server, see Installing on a UNIX or Linux Portal Server.

Installing on a Windows Portal Server

1. Install the Robot Browser Interface on a Windows Portal Server, using one of the following methods:
 - A. Place the CD labeled *PC/UNIX Code & User Guides* in the CD drive of your PC. A Browser page displays.
 - Select **Install**.
 - Click **Robot Browser Interface**.
 - Double-click **setuprbi2.exe**.
 - B. Download the setuprbi2.exe file from the Help/Systems Web site (listed under Robot Browser Interface Trial downloads).
 - Double-click **setuprbi2.exe**.
2. Follow the instructions that display to complete the installation:
 - You are prompted for a port number. The default number is 8008.

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Important: If you are already using this port for a different purpose, select a different port number and remember it.

- Enter a password for the administrator; the password is case-sensitive.

Important: Remember this password.

- You are asked whether to run the Robot Browser Interface as a Service (the Robot Browser Interface will run even when no one is logged on to this server). The default is **yes**.
- Assuming you answered **yes** to Step 5C, you are asked whether to start the service (this starts the Portal server on this platform—Windows). The default is **yes**.

After the installation completes, the URL and port number you use to connect to the Robot Browser Interface are displayed.

Important: Remember the URL and port number.

3. Continue with Starting the Portal Server.

Installing on a UNIX or Linux Portal Server

To install the Robot Browser Interface on a UNIX or Linux Portal Server, you must have Java 1.5 installed and your `JAVA_HOME` environment variable must be set. If you are unsure whether, or where, Java 1.5 is installed, contact your system administrator.

Part I: Copy the `unix-portal.tar` File to Your UNIX Portal Server

1. Copy the file, using one of the following methods:
 - A. Place the CD labeled *PC/UNIX Code & User Guides* in the CD drive of your PC.
 - Double-click **My Computer**.
 - Double-click your CD drive.
 - Double-click the **Java Apps** folder.
 - Double-click the **Unix** folder.
 - Copy the `unix-portal.tar` file to your C: drive.
 - B. Download the `unix-portal.tar` file from the Help/Systems Web site (listed under Robot Browser Interface Trial downloads).
2. Use FTP to copy the `unix-portal.tar` file in BIN (binary) mode to your home directory on the UNIX or Linux system.

Note: It is very important that you copy the file using BIN mode.

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Part II: Install the Portal Server Software

Do the following on the UNIX or Linux Portal server where you copied the `unix-portal.tar` file:

1. Type **pwd** and press Enter.
2. The home directory and your username should display: `/home/<username>`. If they do not display, use the **cd** command to change to the home directory.
3. Enter the **ls -al** command to verify that the `unix-portal.tar` file is in the home directory. If the file is not in the home directory, locate it and copy it to the directory, or repeat Part I if necessary.
4. Enter the following command to make a temporary directory for the installation:

```
mkdir temp
```

5. Enter the following command to change to the temporary directory:

```
cd temp
```

6. Enter the following command to expand the tar file:

```
tar xf .. /unix-portal.tar
```

7. Enter the following command to verify that three files were extracted from the tar file:

```
ls -al
```

Three files should be listed: `portal_inst.sh`, `portal.distribution`, and `tomcat.tar`. If one or more of these files is missing, repeat steps 6 and 7.

8. Enter the following command to verify that your `JAVA_HOME` environment variable is pointing to the correct path for the Java 1.5 directory:

```
echo $JAVA_HOME
```

This command should display the `JAVA 1.5` directory. If the directory does not display, your `JAVA_HOME` environment variable must be set. Contact your system administrator to determine the directory where Java 1.5 is installed.

9. After the `JAVA_HOME` environment variable is set, enter the following command to install the Robot Browser Interface on your UNIX or Linux server:

```
./portal_inst.sh
```

10. Follow the instructions that display to complete the installation, including specifying the port the Robot Browser Interface should use to communicate.

Note: The Portal Server can use any port number to communicate. However, some UNIX or Linux servers allow only the 'root' user to use the ports between 1 and 1024. If you are unsure about which port number to specify for the Portal Server, please contact your system administrator.

11. Continue with the section, Starting the Portal Server.

Starting the Portal Server

The Portal Server must be active before you can use the Robot Browser Interface. The following table describes how to start the Portal Server on each platform. After you start the Portal Server, see the Accessing the Robot Browser Interface.

Type of Portal Server	How to Start
System i	Enter the following command on the server: RBTPORLIB/PORSTARTUP
Windows	If you chose to run the Robot Browser Interface as a service (by answering Yes in Step 2), it should be running. If it is not running, display the list of services, select Robot Browser Interface, and click Start. If you did not select to run Robot Browser Interface as a service, do the following to start: click Start->Programs->Help Systems->Robot Browser Interface 2-> start.
UNIX/Linux	Enter the following command (case sensitive) on the server from the directory in which you installed the Robot Browser Interface: ./startPortal.sh

Accessing the Robot Browser Interface

The final step in the installation process is to access the Robot Browser Interface. To do this, open a Web browser and enter the URL of the Portal Server, which is the IP address of the Portal Server plus its port number, in the format *http://IPaddress:portnumber*.

Example

http://xxx.xx.x.xxx:8008

Using the Robot Browser Interface on a System i

The host server programs *DATABASE and *RMTCMD must be running on any System i that will be using the Robot Browser Interface. To verify whether these servers are running, do the following from the System i

1. Type the command **NETSTAT**
2. Select **option 3**
3. Look under Local Port for as-data and as-rmtcmd. If these servers are not in a Listen state, enter the following command(s) to start them:

STRHOSTSVR *RMTCMD

STRHOSTSVR *DATABASE

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Configuring the Robot Browser Interface

After you have entered the URL and accessed the Robot Browser Interface Login page, log in as the Robot Browser Interface Administrator.

- If the Portal Server software is running on a System i server, the default username and password are ADMIN and ADMIN, both uppercase.
- If the Portal Server software is running on a UNIX, Linux, or Windows server, there is no default username and password (for security reasons). You must enter the username and password that you provided during installation. The password is case-sensitive.

The Portal Server Configuration page displays and you can start the configuration process. For detailed configuration instructions, see the Robot Browser Interface User Guide.

Note: To configure the Robot Browser Interface Portal Server to use Secure Sockets Layer (SSL) for greater security, refer to the Help/FACTS Using Secure Sockets Layer (SSL) with the Robot Browser Interface.

After You Are Done

You can display an online version of the user documentation from the CD labeled *PC/UNIX Code & User Guides*. Insert the CD into the CD drive of your PC and click the **Manuals** link. Then, use Adobe Acrobat Reader to display the manual online. You can also download the User Guide from the Web site.

Note: The Help/Systems installation process restored in the following three libraries to your system for use during installation: HSBOOT, RBTCDLIB, and HSSAVF. In case you are doing multiple installations, we do not remove them from your system. You can delete them when you have finished your installations.

**If you have any questions or problems, please call
Help/Systems, Inc. Technical Support at 952-933-0609.**