Express Runtime



Installation Agent InfoCenter

Version 2 Release 1

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Note

Before using this information and the product it supports, read the information in "Notices," on page 23.

First Edition (March 2005)

This edition applies to version 2, release 1, modification 0 of IBM Express Runtime (product number 5724-J10) and to all subsequent releases and modifications until otherwise indicated in new editions.

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Chapter 1. Introduction

This document provides installation and overview information for the IBM[®] Installation Agent. It is intended for these users:

- The system administrator or anyone responsible for deploying software applications
- Users who operate the target computers to which applications are deployed

As an administrator, you need experience installing and using the operating systems of the target computers, and an understanding of your network environment.

As a workstation user, be aware that software packages might be in the process of being remotely installed on your computer. Before deleting any files related to these software packages, check with the system administrator or the person responsible for deploying software applications for your organization.

The IBM Installation Agent is an application that acts as an interface for software installations. You install the agent on each computer where you want to install software (called a *target computer*). The agent then waits for the staging server to make a connection and begin the deployment process. On Miccrosoft[®] Windows[®], the IBM Installation Agent runs as a service using the user ID specified at installation. On LinuxTM, the IBM Installation Agent runs as a daemon using the run levels specified at installation. On i5/OSTM (known as OS/400[®] prior to Version 5 Release 3)¹, the IBM Installation Agent runs as a background program.

Tip: Your machine might restart as part of the deployment process.

^{1.} IBM i5/OS is the next generation of OS/400. The information in this document might refer to i5/OS or OS/400.

Chapter 2. IBM Installation Agent requirements

To install the IBM Installation Agent on target computers, your system must meet the following requirements.

Microsoft Windows target computer

Your system must meet the following requirements:

- A minimum of 512 MB of memory. However, if your operating system's memory requirements are greater than those listed here, your system must meet those requirements.
- A Pentium[®] III-class processor with a minimum clock speed of 600 MHz. However, if your operating system's requirements are greater than those listed here, your system must meet those requirements.
- Microsoft[®] Windows[®] 2000 Server with Service Pack 4, Windows 2000 Advanced Server with Service Pack 4, Windows 2000 Professional with Service Pack 3, or Windows Server 2003, Standard Edition with Service Pack 1.
- Minimum video resolution of 1024 x 768 (only required for GUI-based tasks, such as interactive installation; not needed for silent installation or command-line functions).
- The following network support, which must be configured:
 - TCP/IP
 - DNS
- A LAN connection.
- A Web browser to view online documentation with .htm file extensions.
- If you choose to use the Web installation feature, you must have either Internet Explorer Version 5 or later, or Netscape Navigator Version 4.7 or later.
- Approximately 75 MB of disk space to install the IBM Installation Agent, plus 75 MB available in the system temporary directory. Additional space is required to deploy and run each application that you install on a target computer.

Linux target computer

- A Pentium III-class processor and one of the following operating systems:
 - Red Flag Advanced Server 4.1
 - Red Hat Enterprise Linux 3.0 WS/AS/ES
 - SUSE LINUX Enterprise Server 8.0
 - SUSE LINUX Enterprise Server 9.0

Or:

- An IBM POWER5[™] processor-based technology system with Linux on POWER[™] (using SUSE LINUX Enterprise Server 9.0 or Red Hat Enterprise Linux AS 3.0) installed.
- Minimum video resolution of 1024 x 768 (only required for GUI-based tasks, such as interactive installation; not needed for silent installation or command-line functions).
- The following network support, which must be configured:
 - TCP/IP
 - DNS

- A LAN connection.
- A Web browser to view online documentation with .htm file extensions.
- Approximately 85 MB of disk space to install the IBM Installation Agent, plus 85 MB available in the system temporary folder. Additional space is required to deploy and run each application that you install on a target computer.

i5/OS target computer

- The user performing the installation or running the IBM Installation Agent on an i5/OS (known as OS/400 prior to Version 5 Release 3) must be a SECOFR user with the following permissions:
 - ALLOBJ
 - SAVSYS
 - JOBCTL
 - SERVICE
 - SPLCTL
 - SECADM
 - AUDIT
 - IOSYSCFG
- IBM OS/400 Version 5 Release 2 with Java[™] group PTF SF99169 or i5/OS Version 5 Release 3.
- Java JDK 1.4 5722-JV1 option 6
- The following network support, which must be configured:
 - TCP/IP
 - DNS
- A LAN connection
- Disk space requirements:
 - i5/OS or OS/400 systems
 - Approximately 20 MB of space to install the IBM Installation Agent, plus 80 MB available in the system temporary folder.
 - On remote Windows or Linux machines
 - Approximately 80 MB of space available in the system temporary folder for remote installations. A minimum video resolution of 1024 x 768 is required (only required for GUI-based tasks, such as interactive installation; not needed for silent installation or command-line functions).
 - **Remember:** Additional space is required to deploy and run each application that you install on a target computer.

Chapter 3. Installation and post-installation information

This section provides installation and post-installation information about the IBM Installation Agent.

Installing the IBM Installation Agent

The IBM Installation Agent (IIA) is the component that receives and processes the installation requests initiated from the deployment wizard. The IBM Installation Agent must be installed and running before the target computer can receive requests from the staging server. Multiple solutions can use the same IBM Installation Agent.

To locate the executables for the operating systems you want to install, refer to the following directory structure of the IIA installation CDs:

- diskIIA1
 - − __doc
 - __readme
 - $\ \ linux$
 - __w32
- diskIIA2
 - __linuxOnPOWER
 - ∖ os400

Notes:

- Errors encountered before the installation program is able to determine the destination path (or errors with the destination path specified) are logged to the current directory, unless write-access is not allowed. If write-access is not allowed, the errors are not logged.
- To install the IBM Installation Agent, you must be logged on to the target computer as a user with administrator authority. The installation fails if you are not logged on as an administrator, and there might not be any error messages logged to IRU_IIAInstall.log indicating the problem. If the installation fails and no information is available in the log file, exit the installation, log in as a user with administrator authority, and try the installation again.

Installing the IBM Installation Agent on a computer running Windows

The IBM Installation Agent can be installed using the IBM Installation Agent LaunchPad or by running the IIA_WindowsSetup.exe set up file directly. You must have administrator authority to install the IBM Installation Agent.

To install the IBM Installation Agent from the LaunchPad, first ensure that both the IIA_WindowsSetup.exe and IIA_WindowsLaunchpad.exe setup files exist in the same directory. Run IIA_WindowsLaunchpad.exe to begin the installation.

The LaunchPad main window contains the following links:

• Install - Starts the IBM Installation Agent installation wizard.

- **Installation Guide** Displays the IBM Installation Agent information center, providing detailed information about installing the IBM Installation Agent.
- Exit Exits the LaunchPad.

Click Install and follow the prompts to install the IBM Installation Agent.

To install the IBM Installation Agent directly, complete the following steps:

1. Locate and run IIA_WindowsSetup.exe to start the installation.

If you are installing the IBM Installation Agent from the command line and want to specify the temporary directory, add the following to your command: -is:tempdir <tempdir>

where <tempdir> is the drive and directory name you want to use as the temporary directory.

- 2. Read and accept the license agreement.
- 3. Select the destination path for this installation. The default is: <system drive>\Program Files\IBM
- 4. Create a key by specifying a phrase to use when authenticating communication between the staging server and the computer running Windows.
 - Notes:
 - If you are upgrading the IBM Installation Agent and keys already exist, the Key Manager panel does not display.
 - If you have not entered this phrase on the staging server, you might want to bypass key creation at this time. If you bypass key creation, you must use the Key Manager shortcut to specify this phrase before you can begin deploying software packages. For more information, see Generating Security Keys Before Installing Applications.
- 5. Specify a user ID and password. If the user ID does not exist, it is created as a member of the Administrators group. If the user ID already exists, it must be a member of the Administrators group.
- 6. When the installation is complete, click Finish. The First Steps panel launches.

The installation program creates a shortcut for the IBM Installation Agent V3.1.0 with the following entries:

- First Steps
- Key Manager
- License Agreement
- Overview
- Log
- About

See the DJT_IIAsetup.log file for modifications that are made during installation. This file contains a log of installation events that can assist you in identifying and analyzing problems. The log file is located in the path you specified for this installation. The log file is a text file you can view using any text editor.

Silently installing the IBM Installation Agent on a computer running Windows

To silently install the IBM Installation Agent on a Windows computer, enter the following command: IIA_WindowsSetup.exe -options <responsefile.iss>

where <responsefile.iss> is a file that passes command line options to the installation program. A sample options file, DJT_IIAsetup.iss, is included for your use.

Uninstalling the IBM Installation Agent from a computer running Windows

To remove the IBM Installation Agent, complete the following steps:

- 1. Exit all Windows programs.
- 2. From the Windows Start menu, click **Settings**, and then click **Control Panel**. The Control Panel window displays. Click **Add/Remove Programs**.
- **3**. In the list of installed software, select the **IBM Installation Agent**, and then click **Add/Remove Programs**.
- 4. If the installation program created the IBM Installation Agent service user ID, that ID is not deleted. You must delete it manually.

Installing the IBM Installation Agent on a computer running Linux

The IBM Installation Agent can be installed using the IBM Installation Agent LaunchPad or by running the IBM Installation Agent_LinuxSetup setup file directly.

To install the IBM Installation Agent using the LaunchPad, first ensure that both the IIA_LinuxSetup and IIA_LinuxLaunchpad setup files exist in the same directory. Run the LaunchPad to begin the installation.

The LaunchPad main window contains the following links:

- Install Starts the IBM Installation Agent installation wizard.
- **Installation Guide** Displays the IBM Installation Agent information center, providing detailed information about installing the IBM Installation Agent.
- Exit Exits the LaunchPad.

Click Install and follow the prompts to install the IBM Installation Agent.

To install the IBM Installation Agent directly, complete the following steps:

1. Locate and run IIA_LinuxSetup to start the installation.

If you want to redirect the temporary folder, add the following to your command: -is:tempdir <temp>

where <temp> is the folder name you want to use as the temporary folder.

- 2. Read and accept the license agreement.
- 3. Select the destination path for this installation. The default is: /opt/IBM
- 4. Create a key by specifying a phrase to use when authenticating communication between the staging server and the Linux computer.
 - Notes:
 - If you are upgrading the IBM Installation Agent and keys already exist, the Key Manager panel does not display.
 - If you have not entered this phrase on the staging server, you might want to bypass key creation at this time. If you bypass key creation, you must use the Key Manager shortcut to specify this phrase before you can begin deploying software packages. For more information, see Generating Security Keys Before Installing Applications.

- 5. Select the appropriate run levels for the IBM Installation Agent daemon.
- 6. When the installation is complete, click Finish. The First Steps panel launches.

The installation program creates a shortcut for the IBM Installation Agent V3.1.0 with the following entries:

- First Steps
- Key Manager
- License Agreement
- Overview
- Log
- About
- Uninstall
- **Note:** When launching the IBM Installation Agent install on DBCS UTF-8 encodings, an install loading message will display with corrupted characters in the terminal window. This message is for your information only; no action is required.

See the DJT_IIAsetup.log file for modifications that are made during installation. This file contains a log of installation events that can assist you in identifying and analyzing problems. The log file is located in the path you specified for this installation. The log file is a text file you can view using any text editor.

Silently installing the IBM Installation Agent on a computer running Linux

To silently install the IBM Installation Agent, enter the following command for Linux:<install_path>/IBM Installation Agent_LinuxSetup -options x:/yyy/.../<responsefile.iss>

where <responsefile.iss> is a file that passes command line options to the installation program. The -options parameter must be the fully qualified name of the file. A sample response file, DJT_IIAsetup.iss, is included for your use.

Uninstalling the IBM Installation Agent from a computer running Linux

To uninstall the IBM Installation Agent from a Linux computer, use the installed shortcut.

Installing the IBM Installation Agent on a computer running i5/OS or OS/400

To remotely install the IBM Installation Agent on an i5/OS (known as OS/400 prior to Version 5 Release 3) computer, complete the following steps. The remote installation can be performed from a Windows or Linux machine.

- 1. Locate and run the IBM Installation Agent setup file to start the installation or run the installation from the LaunchPad.
 - **Remember:** To run the installation from the LaunchPad, the setup file and the LaunchPad file must be in the same directory.

Windows

Setup file: IIA_0S400Setup.exe LaunchPad file: IIA_0S400Launchpad.exe

Linux Setup file: IIA_0S400Setup.bin LaunchPad file: IIA_0S400Launchpad.bin

If you want to redirect the temporary folder, add the following to your command: -is:tempdir <temp>

where <temp> is the folder name you want to use as the temporary folder.

- On the signon window, enter the i5/OS system name, user name, and password.
- **3**. Read and accept the license agreement.
- 4. Create a key by specifying a phrase to use when authenticating communication between the staging server and the computer running i5/OS.
 - Notes:
 - If you are upgrading the IBM Installation Agent and keys already exist, the Key Manager panel does not display.
 - If you have not entered this phrase on the staging server, you might want to bypass key creation at this time. If you bypass key creation, you must use the **Key Manager** shortcut to specify this phrase before you can begin deploying software packages. For more information, see Generating Security Keys Before Installing Applications.
- 5. When prompted, click Finish. The First Steps panel launches.

The IBM Installation Agent is installed to the /QIBM/ProdData/IBM Installation Agent folder. See the DJT_IIAsetup.log file located in /QIBM/ProdData/ for modifications that are made during installation. This file contains a log of installation events that can assist you in identifying and analyzing problems. The log file is a text file you can view using any text editor.

Silently installing the IBM Installation Agent on a computer running i5/OS or OS/400

To silently install the IBM Installation Agent from a remote machine on an i5/OS (known as OS/400 prior to Version 5 Release 3) computer, enter the following command:

Windows

IIA_OS400Setup.exe -is:silent <systemName> <loginID> <loginPassword>
-options <responsefile.iss>

where <responsefile.iss> is a file that passes command line options to the installation program, <systemName> is the i5/OS system name, <loginID> is the user name, and <loginPassword> is the password. A sample options file, <DJT_IIAsetup.iss>, is included for your use.

To silently install the IBM Installation Agent on a native i5/OS computer, enter the following command:

java -Djava.version=1.4.1 -cp IBM Installation Agent_OS400Setup.jar: /QIBM/ProdData/HTTP/Public/jt400/lib/jt400.jar: /QIBM/ProdData/Java400/jt400ntv.jar:DJT_install.jar run -options DJT_IIAsetup.iss

Note: The above command is entered as a single string.

Uninstalling the IBM Installation Agent from computer running i5/OS or OS/400

For a silent uninstallation, run the following command from the native i5/OS (known as OS/400 prior to Version 5 Release 3) computer:

cd /QIBM/ProdData/IBM Installation Agent IRU_iia_uninstall-agent

When uninstalling the IBM Installation Agent from an i5/OS computer, you might need to manually remove files left behind by the uninstallation program. To do this, delete the /QIBM/ProdData/IBM Installation Agent folder.

Tip: This typically occurs only when the IBM Installation Agent was installed remotely from a Windows computer.

Making the IBM Installation Agent available on the Web

You can make the IBM Installation Agent for Windows and Linux available for download from a Web server. This enables users to install the IBM Installation Agent directly from the Web to a target computer. To use this feature, target machines must meet the following requirements:

Windows operating system

- · Connection to an operational Web server
- Internet Explorer, Version 6.0 or later, or Netscape Navigator, Version 4.7, or Version 7.1
- Java plug-in, Version 1.3

Linux operating system

- Connection to an operational Web server
- Linux machines with a Mozilla browser, Version 1.0.1 or later
- Java plug-in, Version 1.3

Restriction: The web installation option is not available on machines running SUSE LINUX Professional 8.1 or SUSE LINUX Enterprise Server 8.

To make the IBM Installation Agent available for Web download, complete these steps:

- 1. Locate the applet directory located under the w32 or linux subdirectory and copy the contents of this folder to your Web server.
- 2. On your Web site, create a link to the setup.htm file (for the location of this file, see Step 1 above). When a user selects this link, the download and installation process begins.
- Important: If you are using Internet Explorer, ensure that under the Microsoft VM option, the JIT compiler is selected. Also ensure that all other Java Virtual Machines are deselected. You can access the settings by clicking Tools > Internet Options > Advanced.

Post-installation information

A log file associated with the IBM Installation Agent should have been created automatically during installation, and should be located in the <install path>\IBM Installation Agent directory with the name DJT_IBM Installation Agent.log.

After installing the IBM Installation Agent, ensure the following conditions are met:

- The network connection between the staging server and the selected target computers must be active.
- Matching security keys must be generated for the staging server and target computers. (For information about creating these security keys, see Generating Security Keys Before Installing Applications.)
- The IBM Installation Agent is running as a system service (on Windows), a daemon (on Linux) or a background program [i5/OS (known as OS/400 prior to Version 5 Release 3)] on the target computer.

Using the First Steps panel

When you finish installing the IBM Installation Agent, the First Steps panel appears. You can also launch this panel by selecting the installed program shortcut **First Steps**.

Tip:

If you are running the IBM Installation Agent on a native i5/OS (known as OS/400 prior to Version 5 Release 3) computer, there is no First Steps panel.

This panel describes several options to begin using the IBM Installation Agent:

- **Product Documentation** Displays the IBM Installation Agent information center.
- **Start the Agent** Starts the agent. This link toggles with the **Stop the Agent** link based on the current state of the agent. If the agent is already running, this link does not appear.
- **Stop the Agent** Stops the agent. This link toggles with the **Start the Agent** link based on the current state of the agent. If the agent is not running, this link does not appear.
- **Exit** Exits the First Steps panel.

Generating security keys before you install applications

The Key Manager utility protects against unauthorized use of the IBM Installation Agent. Before installing any software, generate a set of security keys on both the staging server and the selected target computers. You must specify the same text string or phrase on the staging server and each target computer in order for the authentication to be successful.

You can run Key Manager using one of the following methods:

- Key Manager shortcut
- IIA_TaskInvocation for i5/OS (known as OS/400 prior to Version 5 Release 3) systems only: Syntax IIA_TaskInvocation -task createkey -phrase <security phrase>
- Command-line interface: IBM Installation AgentJRE\bin\java -jar DJT_ibmnsit.jar -task createKey -phrase <security phrase> [-options]

where <security phrase> is a text string or phrase and [-options] includes: -logFileName <filename> - name of the file to which are written any messages received during task execution The security phrase can be any combination of alphanumeric characters and can be any length. Make the phrase something you can remember, but not something that is easy for someone else to guess.

Remember: Remember that the phrase on the staging server must be the same phrase you entered on each target computer. Remember also that the phrase is case-sensitive. Write down this phrase and keep it in a secure place.

If a staging server makes five consecutive attempts to deploy to a target computer without correct matching security keys, the security keys on the target computer will be deleted. You must then go to the target computer and create the security keys again using the Key Manager utility.

Important: You must be able to create the key phrase on both the staging server and all of the target computers. For this reason, do not use any language- or keyboard-unique characters when specifying the key phrase.

Chapter 4. Starting and stopping the IBM Installation agent

The IBM Installation Agent starts automatically when the target computer is started. On Windows, it runs as a service using the user ID you specified at installation; on Linux and i5/OS (known as OS/400 prior to Version 5 Release 3), it runs as a daemon using the run levels you specified at installation. A log file associated with the IBM Installation Agent is located in the <install path>\IBM Installation Agent directory with the name DJT_IBM Installation Agent.log.

You can also start or stop the agent from the command line. For information on starting or stopping the agent on the command line, view the topic that corresponds with the operating system that you use. The following options are available when starting or stopping the agent from the command line:

-? Displays help

-enableSolutionDeployerTrace Enables the deployment wizard trace options

-enableSupportFrameworkTrace Enables the support framework trace

-solutionDeployerTraceFile

Sets the deployment wizard trace file

-supportFrameworkTraceFile Sets the support framework trace file

-maxSolutionDeployerTraceFileSize Sets the maximum size of the deployment wizard trace file

-maxSupportFrameworkTraceFileSize Sets the maximum size of the support framework trace file

-stop Stops the Installation Agent if it is currently running

-leaveFiles

Leaves the files used during the deployment on the computer

-communicationPort

The communication port number for the Installation Agent.

For more information on the deployment wizard and the support framework, refer to the Express Runtime InfoCenter.

Starting the IBM Installation Agent on a computer running Windows

On Windows, the IBM Installation Agent is started automatically when the target computer is started. You can also start the IBM Installation Agent from the **Start the Agent** link on the First Steps panel. To start the IBM Installation Agent manually on a computer running Windows, you can use the Service Control Manager. Alternatively, enter the following command at the command line to run the agent in debugging mode:

<install path>\IIA\IRU_DebugInstallationAgent

where <install path> is the folder where the IBM Installation Agent is installed.

Stopping the IBM Installation Agent on a computer running Windows

To stop the IBM Installation Agent on a computer running Windows you can use the **Stop the Agent** link on the First Steps panel. To stop the IBM Installation Agent manually, you can use the Service Control Manager.

Important: If you stop the IBM Installation Agent while it is in the middle of a deployment, the deployment will not be completed on the target computer.

Starting the IBM Installation Agent on a computer running Linux

You can start the IBM Installation Agent from the **Start the Agent** link on the First Steps panel. To start the IBM Installation Agent manually on a computer running Linux, enter the following command:

<install path>/IIA/IRU_iia_start-agent /<install path>

or:

cd <install path>/IIA ./IRU_iia_start-agent

where <install path> is the folder where the IBM Installation Agent is installed.

You can use an options file used to specify additional start options to the IBM Installation Agent. The options file exists in /etc/sysconfig. Modify the options file to specify the options needed to pass to the IBM Installation Agent when it starts. The default value for options when the IBM Installation Agent is installed is: : OPTIONS=""

The following example shows the correct usage for the options file:

OPTIONS="-leavefiles"

The options that you can specify in the options file are the same options that the user can specify at the command line for the agent. Refer to the topic titled Starting and Stopping the Agent for more information on command line options.

Stopping the IBM Installation Agent on a computer running Linux

You can stop the IBM Installation Agent from the **Stop the Agent** link on the First Steps panel. To stop the IBM Installation Agent manually on a computer running Linux, enter the following command:

cd <install path>/IIA ./IRU_iia_stop-agent

where <install path> is the folder where the IBM Installation Agent is installed.

Important: If you stop the IBM Installation Agent while it is in the middle of a deployment, the deployment will not be completed on the target computer.

Starting the IBM Installation Agent on a computer running i5/OS or OS/400

You can start the IBM Installation Agent manually on a computer running i5/OS (known as OS/400 prior to Version 5 Release 3) by using the following command:

/QIBM/ProdData/IBM Installation Agent/IRU_iia_start-agent

Stopping the IBM Installation Agent on a computer running i5/OS or OS/400

To stop the IBM Installation Agent on a computer running i5/OS (known as OS/400 prior to Version 5 Release 3), enter the following command:

/QIBM/ProdData/IBM Installation Agent/IRU_iia_stop-agent

Important: If you stop the IBM Installation Agent while it is in the middle of a deployment, the deployment will not be completed on the target computer.

Chapter 5. IBM Installation Agent directory structure

Consider the structure of the IBM Installation Agent directory when using relative file references, either in the application XML or from within the user programs. The support framework provides accessory methods to obtain the absolute path to the logs directory and working directory from within Java user programs that are compatible across releases.

If a deployment involves a remote installation to an IBM Installation Agent that is associated with a different release of Express Runtime, relative file references are not accurate. The inaccurate references occur because the directory structure changes from release to release. References to files that reside above, or that are peer to the logs and working directories are not supported. You can avoid problems by using the support framework accessory methods that are accurate across releases.

Chapter 6. IBM Installation Agent Working Directories

When a request is sent to the target computer to install an application, a binary solution file is unpacked into the <install path>\IBM Installation Agentdirectory. Any files that are directly included as part of the solution wrapper (for example, a solution icon or external support JAR for the application wrappers) are recreated in subdirectories starting at this path. A log file associated with the IBM Installation Agent is located in the <install path>\IIA directory with the name DJT_IBM Installation Agent.log.

A directory named <install path>\IIA\unpacked is created to contain the actual product installation image and user programs, if any. This directory and its contents are erased at the start of each task deployment, after all of the installations are completed or if the IBM Installation Agent is stopped.

A directory named <install path>\IIA\logs is created during deployment. This directory contains the log files created by the install invocations.

A directory named <install path>\IIA\com is also created during deployment. This directory contains the graphics files and translation files.

The <install path>\IIA\DJT_IIAgentTrace.log contains all System.out.println output from your user programs, if any were specified.

A directory named <install path>\IIA\graphics contains the solution icon and About screen graphics identified in your solution wrapper, if any were included.

A directory named <install path>\IIA\externalSupportJars contains all external support JAR files identified in your application wrapper, if any were included.

Once the installation is complete, these working directories are erased. If you want to keep the working directories and the files in them, include the -leavefiles parameter on your invocation command.

The following table describes the directories used by the IBM Installation Agent.

Table 1. Directories used in IBM Installation Agent

Directory name	Description
<install path="">\IBM Installation Agent</install>	This directory is used to hold an unpacked binary solution file. When a request is sent to the target computer to install an application, a binary solution file is unpacked into this directory. Any files that are directly included as part of the solution wrapper (for example, a solution icon or external support JAR for the application wrappers) are recreated in subdirectories starting at this path.
<install path="">\IIA</install>	This directory contains a log file associated with the IBM Installation Agent, with the name DJT_IBM Installation Agent.log.

Directory name	Description
<install path="">\IIA\unpacked</install>	This directory is created to contain the actual product installation image and user programs, if any. This directory and its contents are erased at the start of each task deployment, after all of the installations are completed or if the IBM Installation Agent is stopped.
<install path="">\IIA\logs</install>	This directory is created during deployment. This directory contains the log files created by the install invocations.
<install path="">\IIA\com</install>	This directory is also created during deployment. This directory contains the graphics files and translation files.
<install path>\IIA\DJT_IIAgentTrace.log</install 	This directory contains all System.out.println output from your user programs, if any were specified.
<install path="">\IIA\graphics</install>	This directory contains the solution icon and About screen graphics identified in your solution wrapper, if any were included.
<install path>\IIA\externalSupportJars</install 	This directory contains all external support JAR files identified in your application wrapper, if any were included.

Table 1. Directories used in IBM Installation Agent (continued)

Once the installation is complete, these working directories are erased. If you want to keep the working directories and the files in them, include the -leavefiles parameter on your invocation command.

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^{2.} The OS/400 operating system is known as the i5/OS operating system beginning with V5R3.

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Part Number: BH02FML Program Number: 5724-J10

Printed in USA

(1P) P/N: BH02FML

