



StayLinked

Wireless Terminal Emulation Session Management & Screen Recognition Device Management and Usage Tracking

The screenshot shows the Stay-Linked Administrator application window. The title bar reads "Stay-Linked Administrator". The menu bar includes "File", "Servers", "View", "Manage", "Logs", and "Help". The main header area displays the Stay-Linked logo and the text "Current Server: Stay-Linked on IBMi 7.1" and "Server List".

The "Server List" table contains the following data:

Server Name*	Server IP	Port	Version (B...	Serial No.	OS (Version)	Java Version	Up Time
Stay-Linked on AXI 5.2	192.168.100.14	3006	V12.0.0 (146)	0C08CF4C	AXI (5.2)	1.4.2	0008:02:24:12
Stay-Linked on AXI 7.1	192.168.100.13	3006	V11.0.0 (145)	86EAA4C4	AXI (7.1)	1.6.0	0000:22:49:51
Stay-Linked on HP-UX	192.168.100.10	3006	V12.0.0 (146)	02131711	HP-UX (B.11.11)	1.5.0.29	0005:02:45:23
Stay-Linked on IBMi 6.1	192.168.100.28	3006	V12.0.0 (146)	106EAAT2	OS/400 (V6R1M0)	JavaSE 6 32 bit	0008:05:15:06
Stay-Linked on IBMi 7.1	192.168.100.12	3006	V12.0.0 (146)	106EAAT1	OS/400 (V6R1M0)	J2SE 5.0 64 bit	0008:05:12:12
Stay-Linked on Linux Mandrake	192.168.100.89	3006	V12.0.0 (146)	7DB85D04	Linux (2.6.11-6md)	1.6.0_20	0008:04:41:30
Stay-Linked on Linux SUSE	192.168.100.20	3006	V11.0.0 (144)	877D8D04	Linux (2.6.32.54)	1.6.0	0000:13:46:50
Stay-Linked on SCO OpenServer	192.168.100.23	3006	V12.0.0 (146)	SXFRHJAAE	OpenServer (5.0.7)	1.5.0_17	0007:23:17:50
Stay-Linked on Sun Solaris	192.168.100.24	3006	V12.0.0 (146)	177B1A94	SunOS (5.10)	1.5.0_12	0000:01:33:46
Stay-Linked on Windows 2008 64-bit	192.168.100.102	3006	V12.0.0 (146)	296EDFA0	Windows Server (6.1)	1.6.0_22	0000:14:10:39
Stay-Linked on Windows 7 32-bit	192.168.100.85	3006	V12.0.0 (146)	72C575AC	Windows 7 (6.1)	1.6.0_20	0005:21:10:40

The interface also features a tree view on the left with categories like "Connections", "Emulation Settings", "Client Configuration", "Device Management", and "Usage Tracking". The status bar at the bottom shows "Current Server: Stay-Linked on IBMi 7.1 | S/N: 106EAAT1 | V12.0.0 (146) | 10/15/2013 2:23 PM".

OS/400, i5/OS, IBM i Server Installation and User Guide

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1 StayLinked System Components

StayLinked™ is a software product that provides a complete solution for managing your wireless terminals and their host telnet sessions. This section describes the components of the StayLinked system.

Wireless Terminal

StayLinked Thin Client
Dynamic or Static IP Address
Server IP Address and Port Number
Wireless Network Infrastructure



Administration Workstation

StayLinked™ Administrator
Windows XP, Vista, Windows 7 and 8, Server 32 and 64 bit
Workstation is not dedicated to StayLinked



OS/400, i5/OS, IBM i Server

StayLinked™ Server
Local 5250 Application Programs
Access to other 5250, 3270, VT or SSHv2 Hosts
StayLinked™ Java Programs
Java Virtual Machine



2 Planning and Installation of StayLinked

As with any software, some planning is necessary to ensure a successful installation. Use this planning information to help you install the StayLinked components.

2.1 Installation Summary

- Ensure that all minimum requirements have been met on the iSeries Server where StayLinked will be installed.
- Designate a Windows PC that will be used to manage the StayLinked Server. This PC need not be dedicated to the administration task. The StayLinked Administrator can be installed and run from more than one Windows PC.
- Install the StayLinked Server Software onto the iSeries from a PC by running the iSeries Installation Wizard.
- Start the StayLinked Server using the **STAYLINKED/STRSERVER** command on the iSeries.
- Install the StayLinked Administrator onto the designated management PC.
- Start the StayLinked Administrator and connect to the StayLinked Server.
- Take note of the Server S/N that will be displayed in the Administrator Server List.
- Provide the Server S/N in order to acquire your StayLinked License Key (support@StayLinked.com).
- Use the StayLinked Administrator to install your StayLinked License Key.
- Flash your RF device with the appropriate StayLinked Client software and configure the device.
- Use the StayLinked Administrator to install keyboard maps for your RF devices.
- Use the StayLinked Administrator to configure your Telnet Host or Hosts.
- Connect the StayLinked RF device to the StayLinked server and get to work.

2.2 iSeries Server Requirements

2.2.1 Hardware Requirements for the iSeries Server

- Models 170-8xx – Minimum
- 512 MB Ram – Minimum (Please see the 'Performance Tuning' section)
- 50 MB DASD – StayLinked base code and all languages
- 460 CPW – Minimum
- Java capable CPU feature code
- Refer to iSeries Performance Management Resources (www.ibm.com/servers/eserver/iseries/perfmgmt/resource.html)
To access all iSeries books, go to: <http://publib.boulder.ibm.com/iseries/>

2.2.2 Software Requirements for the iSeries Server

i5/OS, IBM i Operating System:

- **Version** V5R4, V6R1 or V7R1
- **User Authority** Security Officer profile or equivalent is required to install StayLinked.

- **Licensed program requirements for each OS Version are listed below**
- **Java Developer Kit 1.5** Minimum Requirement for V5R4.
- **J2SE 5.0 32 bit** Minimum Requirement for V6R1 and V7R1.

The requirements for licensed programs for i5/OS **V5R4** are as follows:

- **5722JV1 Option 7**, Java Developer Kit 1.5 (Classic) ([Alternate Start Up Script Required](#))
- **- or -**
- **5722JV1 Option 8**, J2SE 5.0 32 bit
- **5722SS1 Option 30**, OS/400 - QShell Interpreter
- **5722SS1 Option 33**, Portable App Solutions Environment (for J2SE 5.0 32 bit)
- Latest cumulative PTF fix package applied only after the Java licensed programs have been installed.

The requirements for licensed programs for IBM i **V6R1 and V7R1** are as follows:

- **5761JV1 Option 8**, J2SE 5.0 32 bit
- **- or -**
- **5761JV1 Option 11**, Java SE 6 32 bit ([Alternate Start Up Script Required](#))
- **5761SS1 Option 30**, OS/400 - QShell Interpreter
- **5761SS1 Option 33**, Portable App Solutions Environment
- Latest cumulative PTF fix package applied only after the Java licensed programs have been installed.

You may review the software that is installed on your iSeries by using the OS/400 command:

DSPSFWRSC

2.2.3 Information about Java on the iSeries Platform

For detailed information about selecting the proper JVM version, running Java and tuning Java on the iSeries Platform, please review Chapter 7, 'Java Performance' in the 'System i Performance Capabilities Reference, i5/OS™ Version 5, Release 4, January/May/August 2006':

<http://publib.boulder.ibm.com/infocenter/iseries/v5r4/topic/books/sc410607.pdf>

2.3 Administrator PC Requirements

2.3.1 Hardware Requirements for the Administrator PC

- Pentium 133 MHz or greater
- 64 MB Ram – Minimum
- 200 MB Hard Disk Space – StayLinked Administrator
- Network Interface

2.3.2 Software Requirements for the Administrator PC

- Windows XP, Vista, Windows 7 and 8, Server 32 and 64 bit
- TCP/IP access to the StayLinked Server

2.4 Network Requirements

2.4.1 Wireless Network

- Wireless Access Points – These devices must be active, functional and have IP access to the StayLinked Server machine.
- Wireless RF Devices – These devices must be configured for access to the Wireless Access Points and have IP access to the StayLinked Server machine.
- Wireless Network Security Infrastructure – StayLinked is compatible with virtually all Wireless Network Security implementations.

3 Installing/Upgrading StayLinked Software

This section describes the installation of the StayLinked Server and the StayLinked Administrator. For existing StayLinked Customers, this section also describes the steps required to upgrade your StayLinked Server and Administrator software to the latest version. All of the installation and upgrade packages are available for download from the StayLinked portal. Those StayLinked customers who have a current Maintenance Agreement in force are entitled to these StayLinked upgrade packages.

3.1 StayLinked Server Installation

This section walks you through the installation of the StayLinked Server application onto an iSeries Server platform. Once you have completed the installation, you will be running the latest version of the StayLinked Server. No further updates or upgrades will be required.

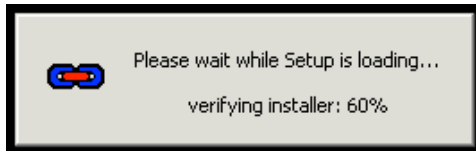
3.1.1 Installing StayLinked onto the iSeries Server

This procedure loads the StayLinked library and the StayLinked IFS folders onto the iSeries machine.

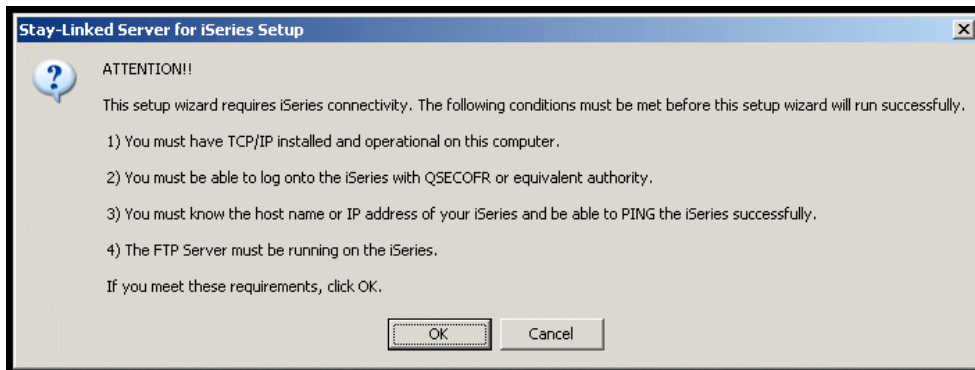
IMPORTANT NOTE: The install procedure completely replaces any existing installation of StayLinked. All server and device settings that you have previously defined will be lost during the installation process. If you have already installed StayLinked onto your iSeries and wish to upgrade to the latest version, we recommend that you follow the upgrade procedure that is described in section 3.4.

Step A: The StayLinked Server is installed onto the iSeries server via an iSeries Installation Wizard that runs on the PC. Locate the SETUP.EXE program in the '\setup\server' folder of the StayLinked CD-ROM (or the downloaded SETUP.EXE program) and launch the installation wizard by executing this SETUP.EXE program on your PC.

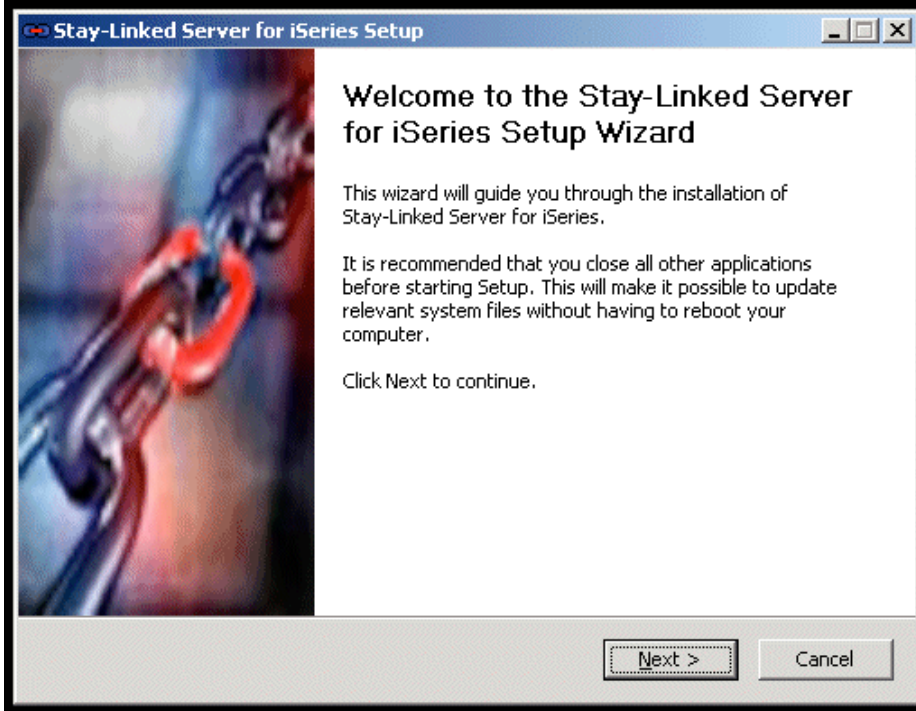
(The following screens should be similar to but not necessarily exactly what you will see.)



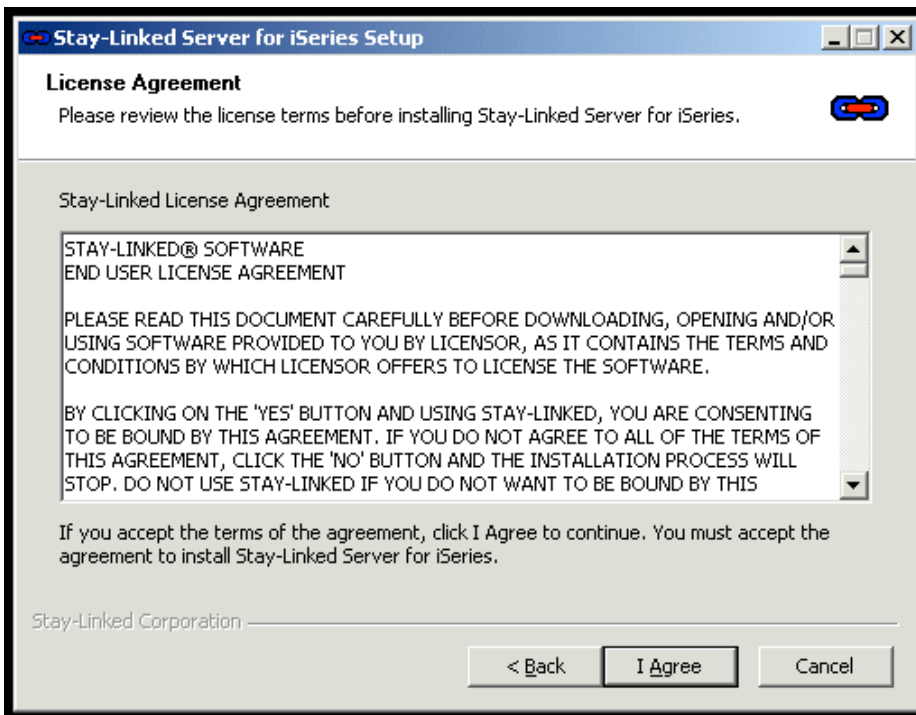
Step B: After setup has initialized, you will be notified of the minimum requirements to run the iSeries Installation Wizard. Click OK if you can fulfill the installation requirements.



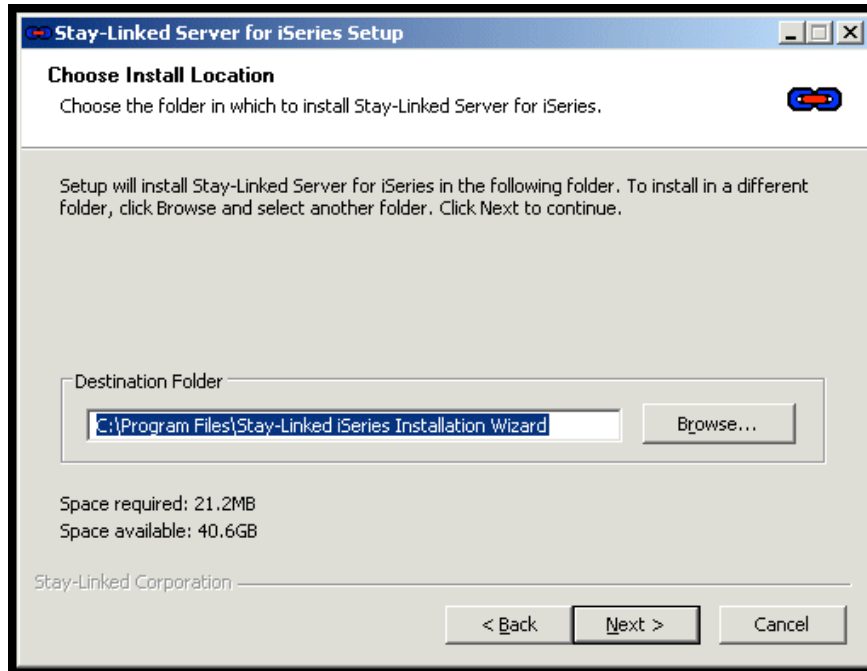
Step C: You are now presented with the Welcome Screen. Click the Next button to continue.



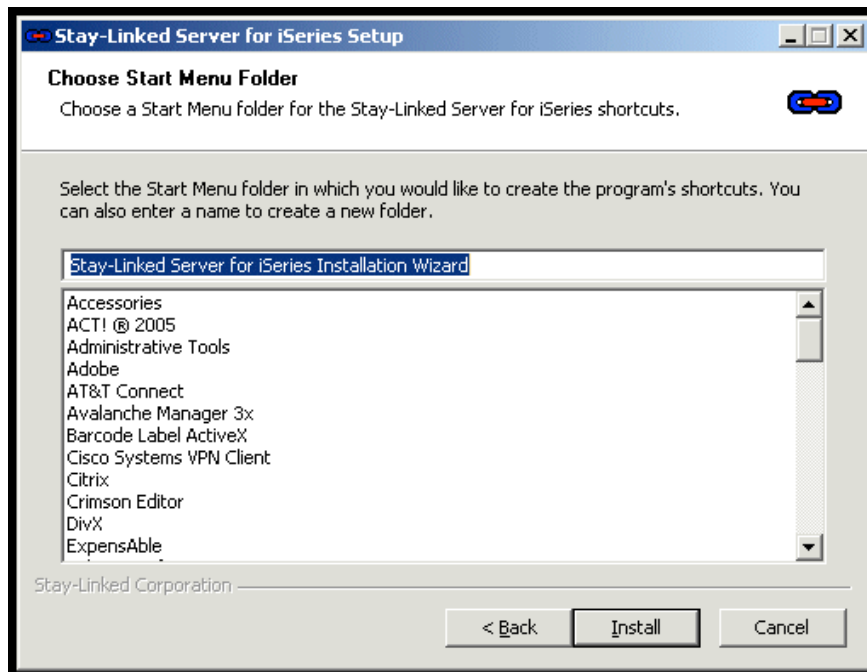
Step D: Read the three License Agreements and if you agree to the terms, press I Agree to continue.



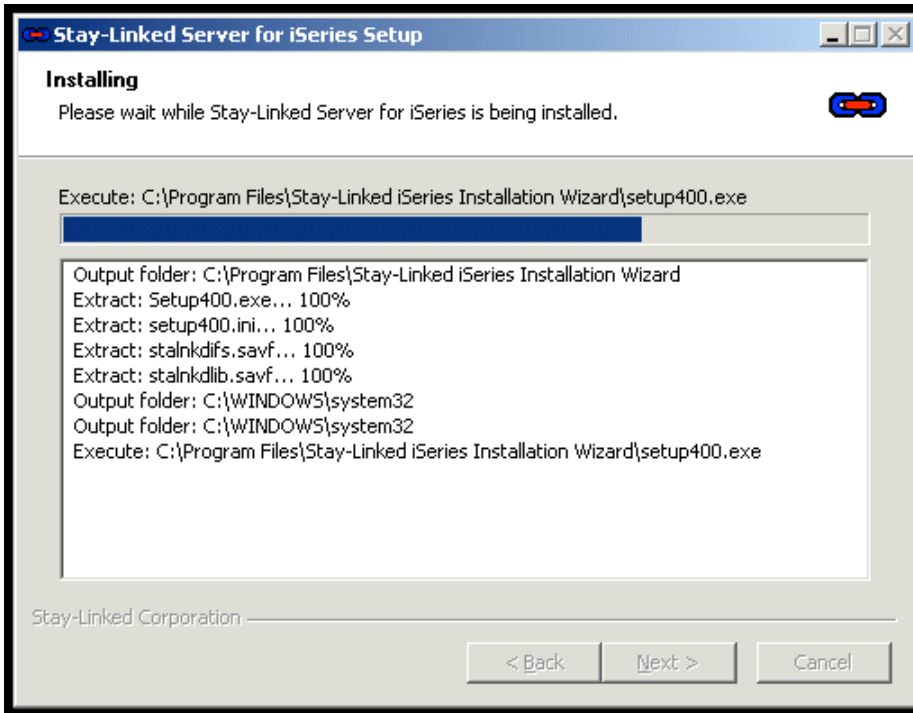
Step E: Select a location for the installation wizard files. Press Next to continue.



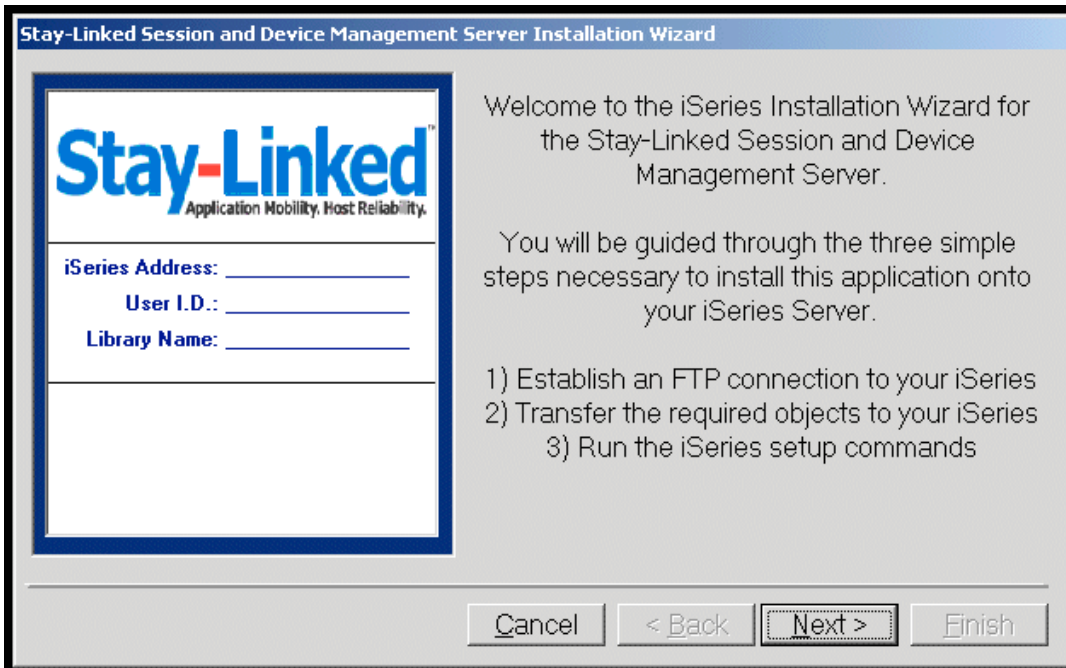
Step F: Setup provides the ability to specify the Start Menu folder in which StayLinked Administrator shortcuts will reside. When you are ready to proceed with the installation, click the Install button.



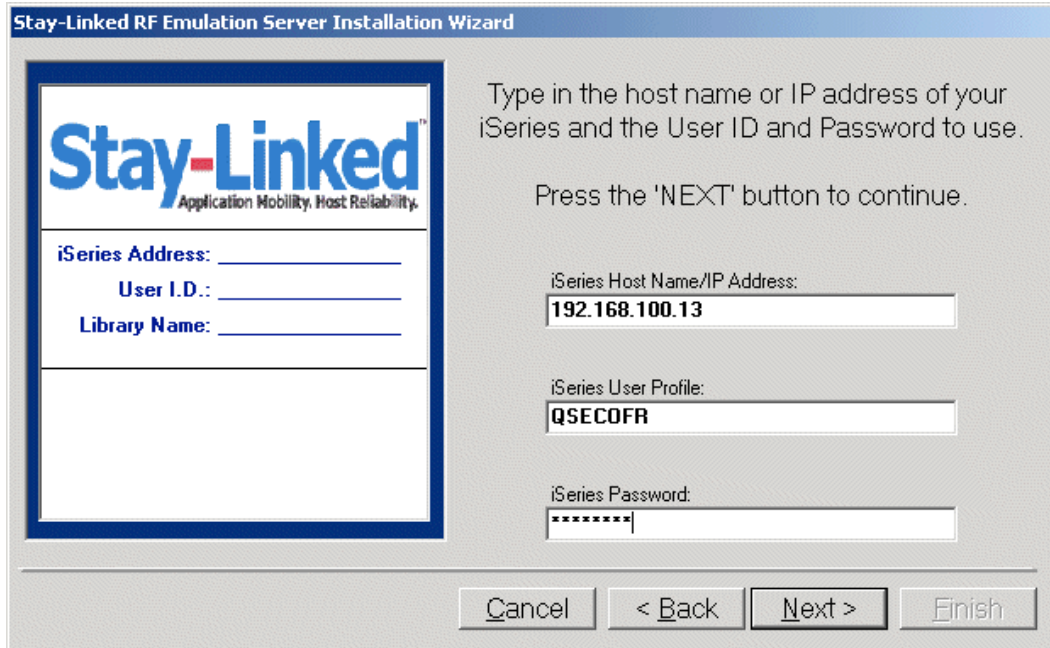
Step G: You can monitor the progress as the Installation Wizard application is installed onto your PC.



Step H: After the iSeries Installation Wizard is installed onto your PC, the Wizard will start and you will see the Wizard Welcome Panel. Click next to begin the installation process.



Step I: Enter the iSeries Host Name/IP Address, User Profile and Password. Click Next to continue.

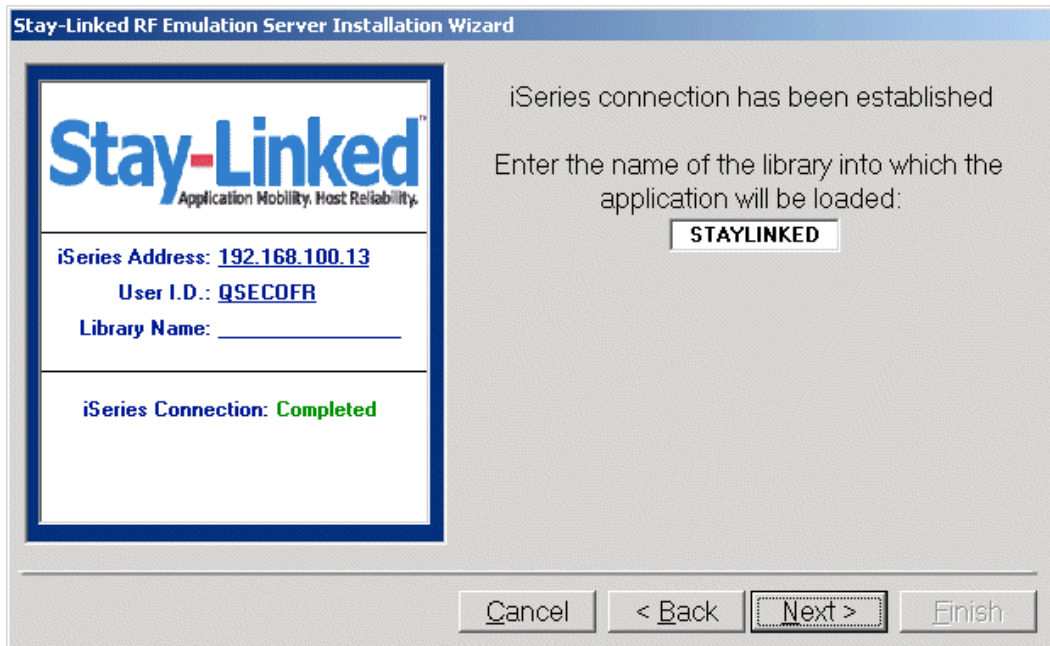


The screenshot shows the 'Stay-Linked RF Emulation Server Installation Wizard' window. On the left, there is a panel with the Stay-Linked logo and three input fields: 'iSeries Address:', 'User I.D.:', and 'Library Name:'. On the right, there is instructional text: 'Type in the host name or IP address of your iSeries and the User ID and Password to use. Press the 'NEXT' button to continue.' Below this text are three input fields: 'iSeries Host Name/IP Address:' containing '192.168.100.13', 'iSeries User Profile:' containing 'QSECOFR', and 'iSeries Password:' containing a masked password '*****'. At the bottom, there are four buttons: 'Cancel', '< Back', 'Next >', and 'Finish'.

NOTE: You may specify a non-standard FTP port when entering the Host IP Address by using the IP:PORT format like this example:

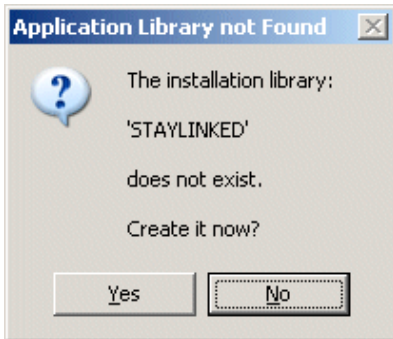
192.168.100.13:1023

Step J: After the FTP connection is established, click Next to continue.

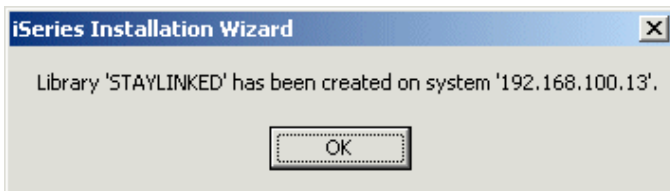


The screenshot shows the 'Stay-Linked RF Emulation Server Installation Wizard' window at a later stage. The left panel now displays the previously entered information: 'iSeries Address: 192.168.100.13', 'User I.D.: QSECOFR', and 'Library Name:'. Below these fields, it says 'iSeries Connection: Completed' in green text. The right panel contains the text: 'iSeries connection has been established. Enter the name of the library into which the application will be loaded:'. Below this text is a text box containing 'STAYLINKED'. At the bottom, the buttons are 'Cancel', '< Back', 'Next >' (which is now highlighted with a dotted border), and 'Finish'.

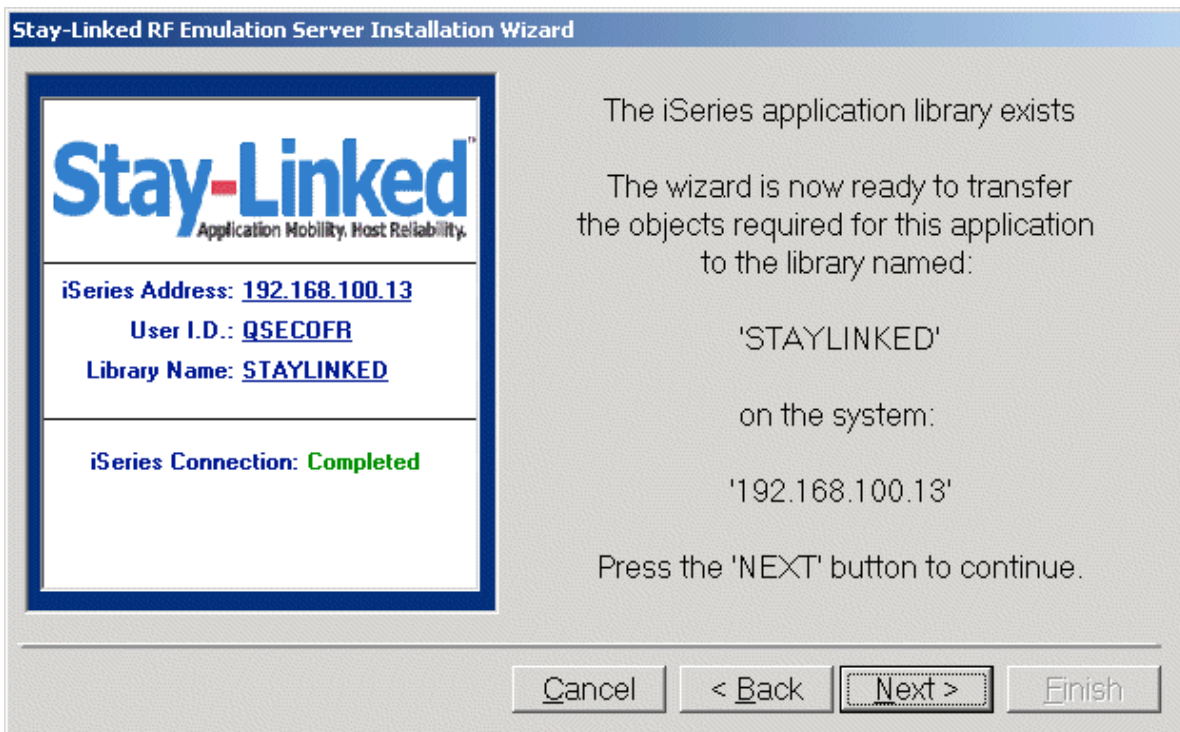
Step K: You will be prompted to create the new STAYLINKED Library on the iSeries. Click Yes to continue.



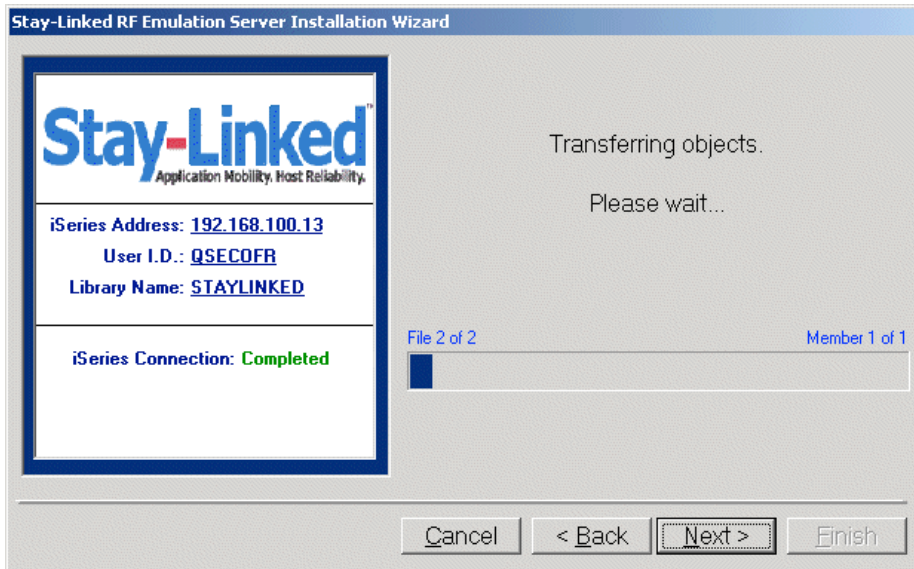
Step L: The creation of the STAYLINKED library will be confirmed. Click OK to continue.



Step M: We will now transfer the StayLinked software onto the iSeries. Click Next to continue.

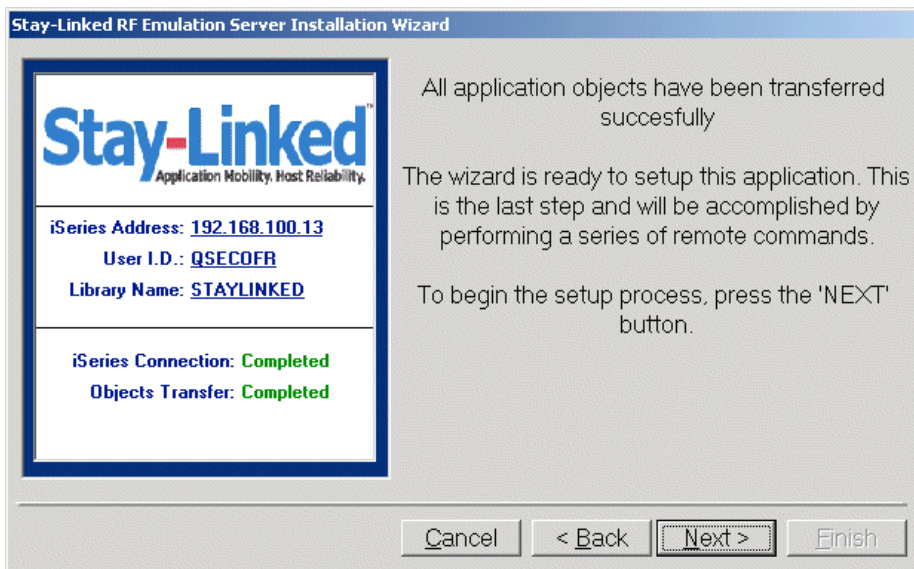


Step N: You may monitor the progress as the StayLinked software is transferred to the iSeries.



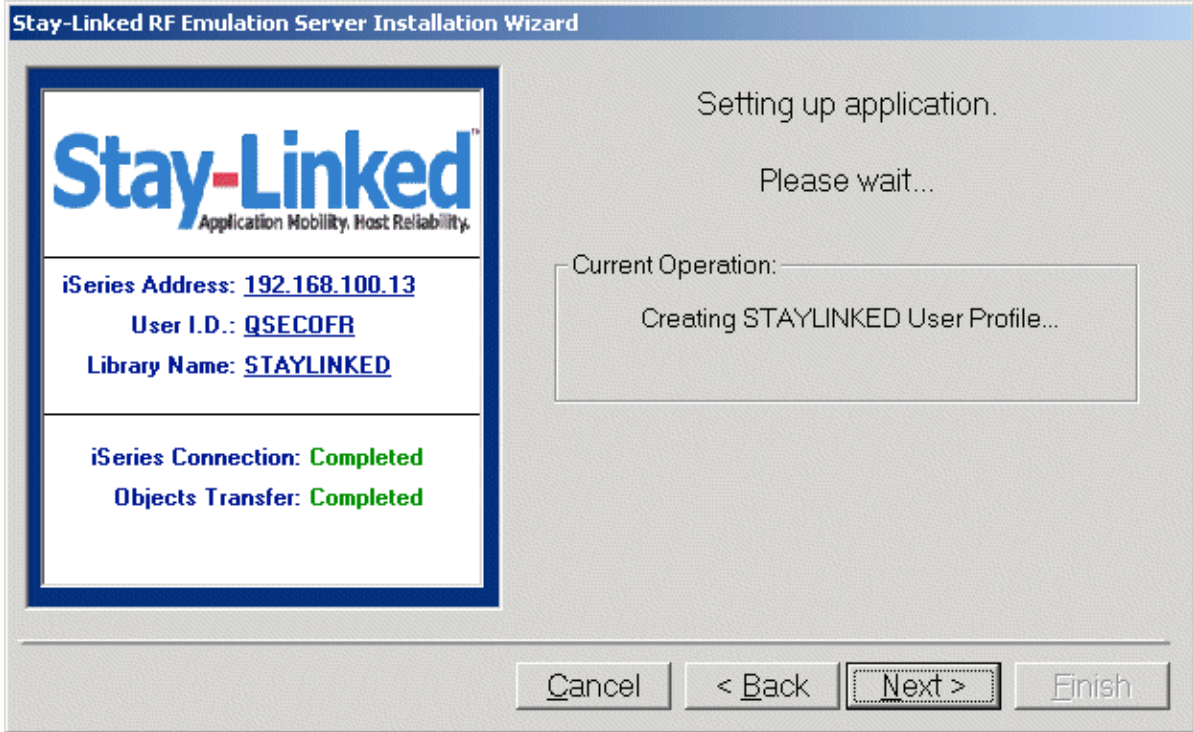
IMPORTANT: Do not wait too long after the file transfers complete before moving to the next step. If you wait too long before continuing, the FTP connection may time-out and the install will fail.

Step O: After the StayLinked software is transferred to the iSeries, click Next to continue.

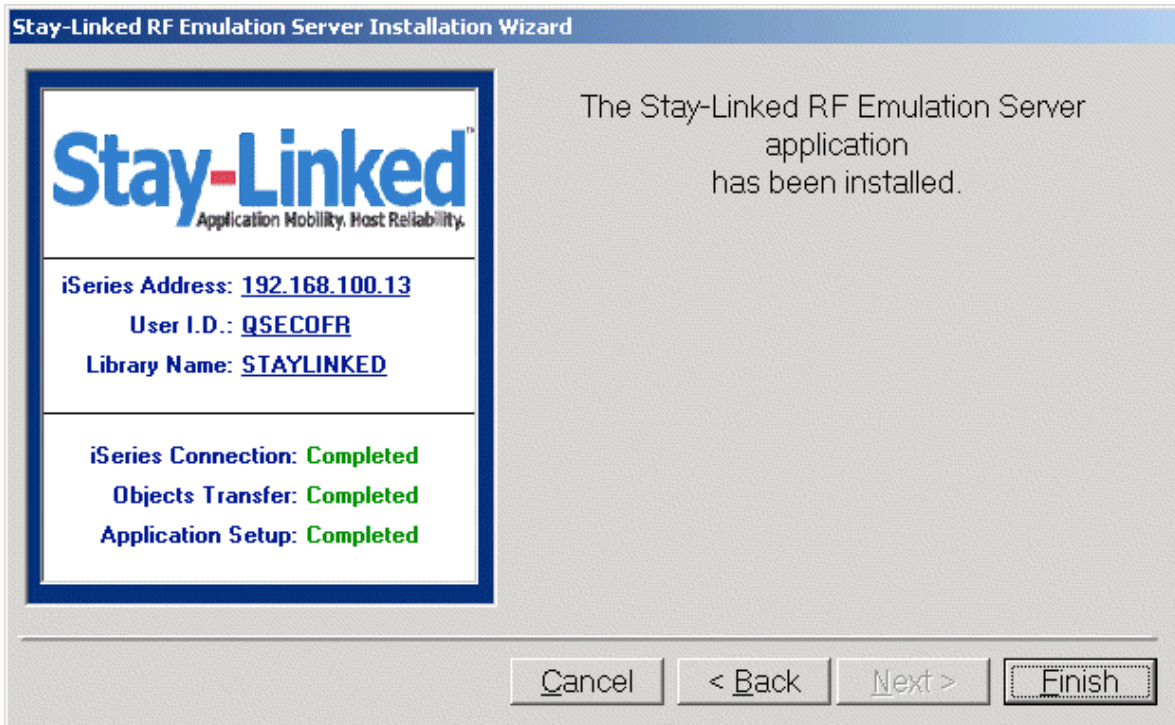


TECHNICAL NOTE: Depending upon the configuration of your iSeries system, the restore operations in Step Q may send notification messages back to the Wizard where they will be displayed. Depending upon the severity of these messages, you may choose to continue with the installation or abort the installation. A common message that might be returned will resemble '## objects restored, 0 objects not restored'. This is a normal completion message for the restore operation. In this case, simply select the continue option on the message window and continue with the installation of the StayLinked Server. If you receive other more severe messages, please contact StayLinked technical support for assistance.

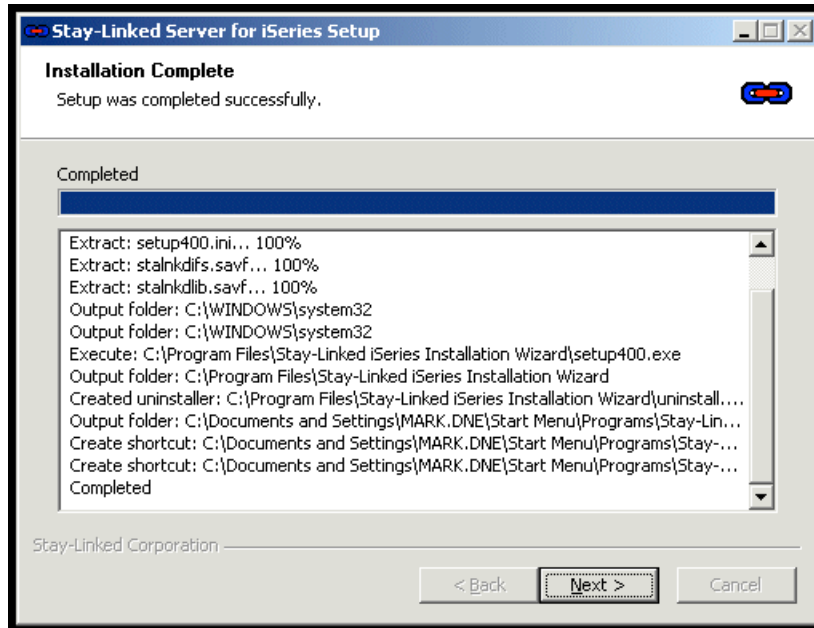
Step P: StayLinked objects will be restored and configuration will be completed.



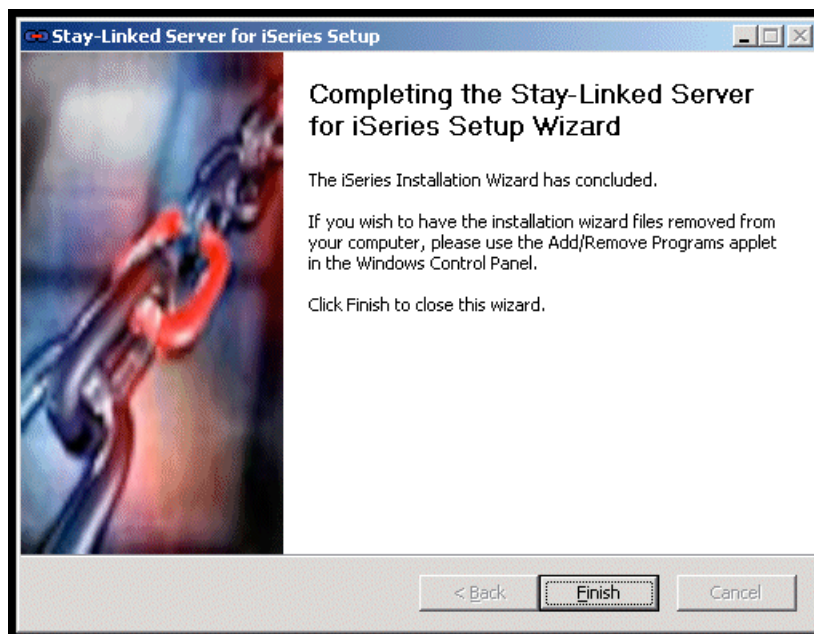
Step Q: The StayLinked Server is now installed onto your iSeries. Click Finish.



Step R: A completion screen will display when the StayLinked Administrator installation has finished. Click the Next button to continue. (You can right-click in the progress information box to copy the details to the clipboard. This information can be provided to StayLinked Technical Support if there are any difficulties with the installation of the Administrator onto your PC.)



Step S: After clicking Finish on this panel, you may remove the iSeries Installation Wizard from your PC by using the Add/Remove Programs applet in the Windows Control Panel.



The StayLinked Installation Wizard has installed the following objects onto your iSeries:

- A set of IFS folder objects: [/ROOT/QIBM/UserData/StayLinked](#)
- A library on the iSeries named **STAYLINKED**.
- A number of program and command objects in the **STAYLINKED** library.
- The user profile named **STAYLINKED** with a random password.
Please note: This user profile will have a random password assigned to it. This user profile must always be assigned a valid password that is not expired. This user profile must not be disabled. This user profile will be created with the "Initial Menu" set to *SIGNOFF. This user profile will be given *ALLOBJ authority. You may remove the *ALLOBJ authority if required, but removing it may affect the operation of StayLinked on some iSeries machines.
- A subsystem named **STAYLINKED**.
- A Job Queue named **STAYLINKJQ**.

3.2 StayLinked Administrator Installation

The StayLinked Administrator should be installed after the StayLinked Server installation has been successfully completed.

3.2.1 Installing the StayLinked Administrator onto a Windows PC

Log on to the network using the PC that is to be designated as the Administrator for StayLinked.

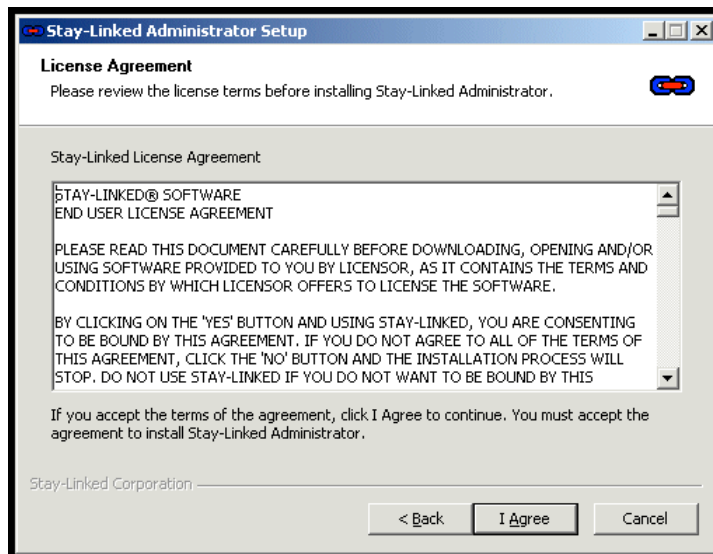
Download the StayLinked Administrator Setup ZIP package from the StayLinked Portal. Extract the SETUP.EXE file from the ZIP into a folder on the Windows PC. Launch the installer by executing this SETUP.EXE program on the Windows PC.

(The following screens should be similar to but not necessarily exactly what you will see.)

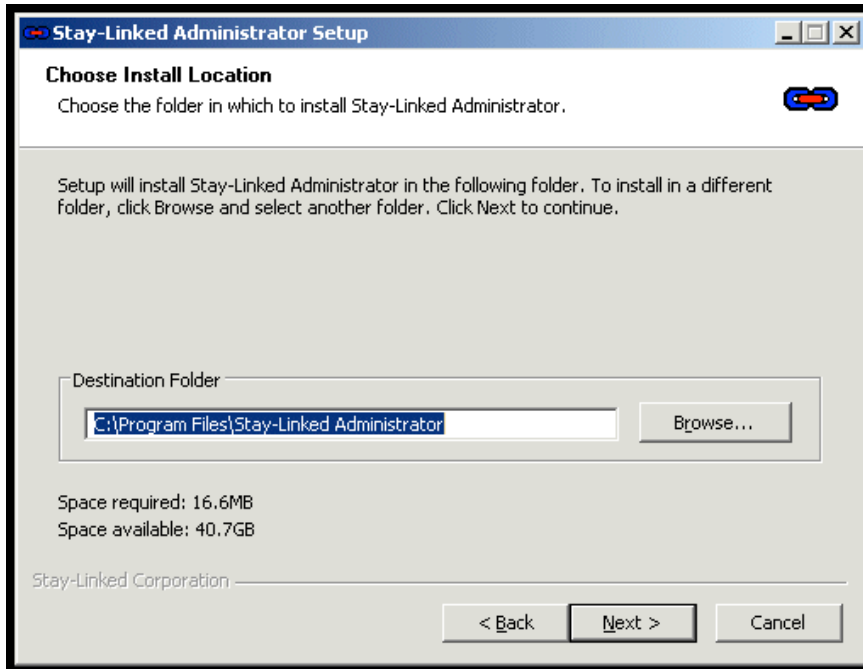
On the Welcome Screen, click the Next button.



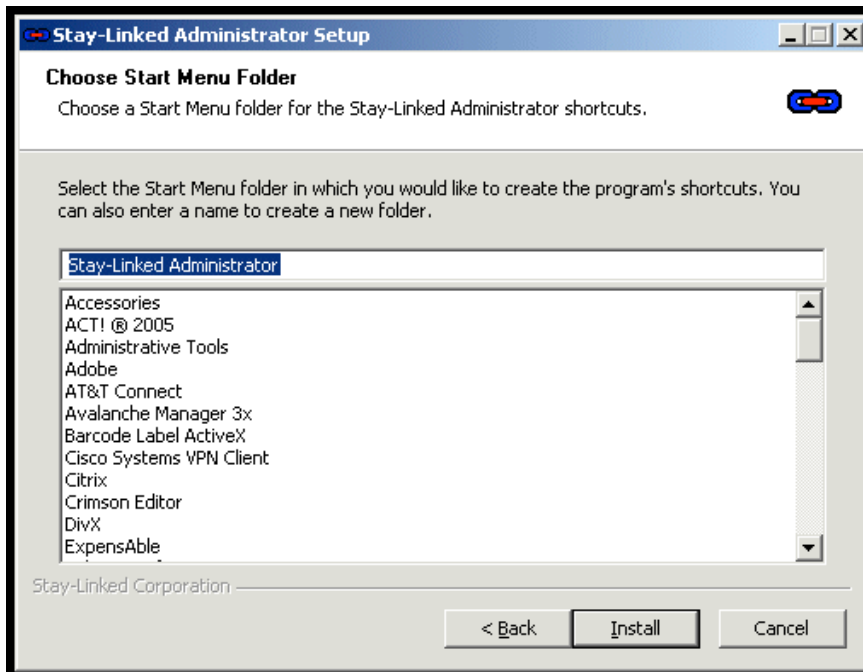
Please read the three license agreements and, if you agree, click the I Agree buttons.



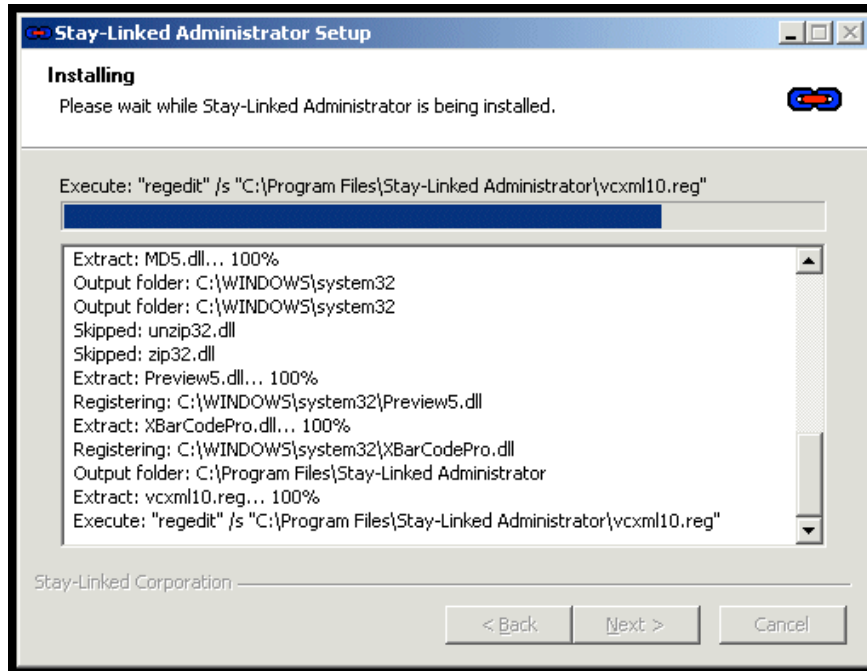
Setup provides the ability to specify an installation location for the StayLinked Administrator. When you have selected the location, click the Next button.



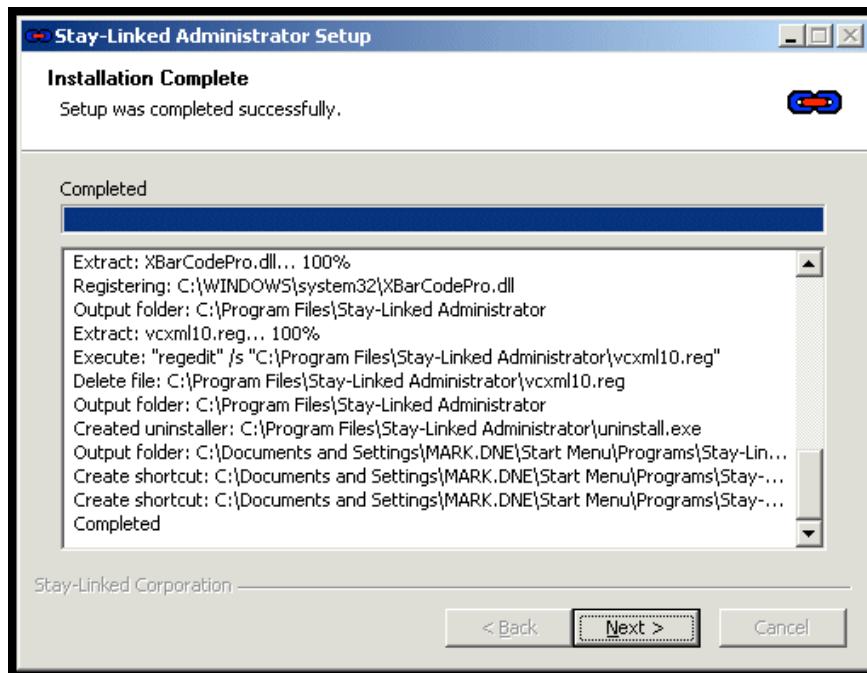
Setup provides the ability to specify the Start Menu folder in which StayLinked Administrator shortcuts will reside. When you are ready to proceed with the installation, click the Install button.



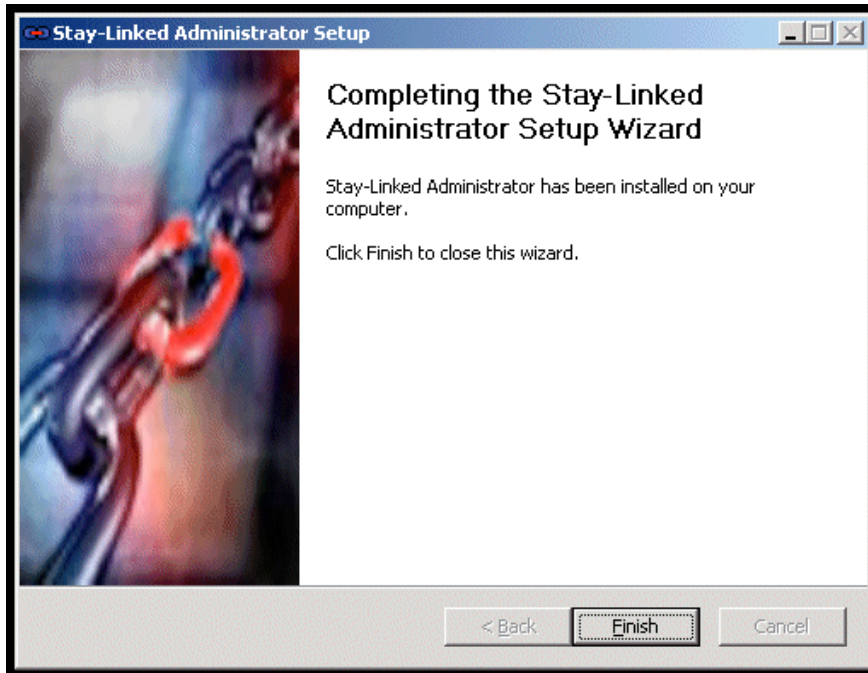
A progress screen will provide status information as the StayLinked Administrator is installed.



A completion screen will display when the StayLinked Administrator installation has finished. Click the Next button to continue. (You can right-click in the progress information box to copy the details to the clipboard. This information can be provided to StayLinked Technical Support if there are any difficulties with the installation of the Administrator onto your PC.)



A final installation completion confirmation screen is displayed. Click the Finish button and the installation of the StayLinked Administrator is completed.



3.3 Startup Scripts for Alternate Java Developer Kits

The default Java Developer Kit used by the StayLinked Server on the iSeries platform is “J2SE 5.0 32 bit” (Option 8). StayLinked is fully compatible with the older Classic JDK 1.5 and JDK 1.6. The Classic JDKs can be used on some OS versions prior to V6R1.

StayLinked is also fully compatible with the IBM Technology for Java Developer Kits, J2SE 5.0 32 bit and Java SE 6 32 bit. One of these Java versions must be used if you are running V6R1 or V7R1 on your IBMi machine. (StayLinked is also compatible with the 64 bit versions of these JDKs. Please contact StayLinked Technical Support for assistance if you wish to use the 64 bit versions on V6R1 or V7R1.)

Depending upon the version of JDK that you wish to run, follow these steps before starting the StayLinked Server:

To run StayLinked with Classic JDK 1.5:

On the iSeries IFS, in the folder '/qibm/userdata/StayLinked', rename the 'strserver.sh' file to be 'strserver_old.sh'. Then, rename the 'strserver_jdk15.sh' file to be named 'strserver.sh'.

To run StayLinked with Classic JDK 1.6:

On the iSeries IFS, in the folder '/qibm/userdata/StayLinked', rename the 'strserver.sh' file to be 'strserver_old.sh'. Then, rename the 'strserver_jdk16.sh' file to be named 'strserver.sh'.

To run StayLinked with J2SE 5.0 32 bit (V5R4 or later):

On the iSeries IFS, in the folder '/qibm/userdata/StayLinked', rename the 'strserver.sh' file to be 'strserver_old.sh'. Then, rename the 'strserver_jdk1532.sh' file to be named 'strserver.sh'.

To run StayLinked with Java SE 6 32 bit (V6R1 or later):

On the iSeries IFS, in the folder '/qibm/userdata/StayLinked', rename the 'strserver.sh' file to be 'strserver_old.sh'. Then, rename the 'strserver_jdk1632.sh' file to be named 'strserver.sh'.

3.4 Upgrading the StayLinked Server

If you were not already running the latest version of the StayLinked Server, we would recommend that you upgrade to the latest version. The upgrade procedure will preserve all of the server settings and device settings that you have previously configured.

StayLinked upgrades are installed using the iSeries Server Upgrade Wizard program. The StayLinked iSeries Upgrade can be downloaded from the StayLinked Portal site at <http://www.StayLinked.com/portal>.

After downloading the ZIP, extract the 'UPDATE.EXE' to a folder on a PC that has IP connectivity with the iSeries Server. The StayLinked Server upgrade for iSeries can be applied while the server is running, but the upgrade will not take effect until the StayLinked Server is restarted.

3.5 Upgrading the StayLinked Administrator

If you were not already running the latest version of the StayLinked Administrator, we would recommend that you upgrade to the latest version. The upgrade procedure will preserve all of the server list entries that you have previously configured.

StayLinked upgrades are installed using the StayLinked Administrator Upgrade program. The StayLinked Administrator Upgrade can be downloaded from the StayLinked Portal site at <http://www.StayLinked.com/portal>.

After downloading the ZIP, extract the 'UPDATE.EXE' to a folder on the Administrator PC and run the update program from that location. It is recommended that the StayLinked Administrator Upgrade only be run while the StayLinked Administrator is NOT running. Once applied, the upgrade will take effect when the StayLinked Administrator is restarted.

4 Using StayLinked on the iSeries Platform

This section describes the operation of the StayLinked Server on the iSeries Platform. Operations include starting the server, ending the server, backing up the server configuration and tuning the server performance.

4.1 Starting the StayLinked Server

The STRSERVER command is used to start the StayLinked Server on the iSeries computer. The StayLinked server must be running in order for your devices to connect to the server and run emulation sessions.

SYNTAX: STAYLINKED/STRSERVER SLSBS(STAYLINKED)

The command has only one parameter that defines the name of the subsystem description to be used for the StayLinked Server. This subsystem description must be either the default STAYLINKED subsystem description, or a copy of the STAYLINKED subsystem description, which can be given the name of your choice. The specified subsystem description **MUST** exist in the STAYLINKED library and **MUST** be associated with the STAYLINKJQ Job Queue. One reason to use an alternate subsystem description would be to cause the StayLinked Server Jobs to appear in a different position in the WRKACTJOB list.

If you wish to have the StayLinked Server start when your iSeries is started, then you must add the STRSERVER command to your startup job. Make sure that the STRSERVER command is issued after the STRTCP command.

4.2 Ending the StayLinked Server

The StayLinked Administrator provides a 'Terminate Server' menu option from the 'Manage Connections' dialog. This is the preferred method to shut down the StayLinked server.

Alternately, you may end the StayLinked Subsystem on the iSeries.

SYNTAX: ENDSBS SBS(STAYLINKED) OPTION(*IMMED)

Using either method, if there are any active emulation sessions running on the server when the StayLinked Server is ended, those sessions will be terminated. Connected devices that are awake and active during the shutdown process will be automatically returned to the StayLinked Main Menu on the device. Those connected devices that were asleep during the server shutdown will have different behaviors depending upon the status of the server. If the StayLinked Server is running when the device is awaked, the device will display a '[Session Ended]' message. If the StayLinked Server is not running when the device is awaked, the device will display a '[Linking]' message. In either case, press the appropriate key to return to the StayLinked Main Menu.

4.3 Server Backup and Restore

Following is a list of the StayLinked files and folders that should be included in your backup processing.

4.3.1 Files for All StayLinked Versions

- /qibm/userdata/StayLinked/config/devices.xml
- /qibm/userdata/StayLinked/config/espadmin.xml
- /qibm/userdata/StayLinked/config/hosts.xml
- /qibm/userdata/StayLinked/config/keyboards.xml
- /qibm/userdata/StayLinked/config/tapsots.xml

4.3.2 Additional Files and Folders for StayLinked Version 7.0.0 and Greater

- /qibm/userdata/StayLinked/config/deploy.xml
- /qibm/userdata/StayLinked/config/partners.xml
- /qibm/userdata/StayLinked/config/settings.xml
- /qibm/userdata/StayLinked/deploy/*.*

4.3.3 Additional Files and Folders for StayLinked Version 9.0.0 and Greater

- /qibm/userdata/StayLinked/config/manifests.xml
- /qibm/userdata/StayLinked/config/profiles.xml
- /qibm/userdata/StayLinked /devices/*.*
- /qibm/userdata/StayLinked /manifests/*.*

4.3.4 Additional Files for StayLinked Version 10.0.0 and Greater

- /qibm/userdata/StayLinked/config/screenmaps.xml

4.3.5 Additional Folders for StayLinked Version 11.0.0 and Greater

- /qibm/userdata/StayLinked/usage/*.*

Also, StayLinked maintains backup copies of these configuration XML documents that are time-stamped and stored along with the master copies listed above. These backup copies of the configuration files are generated each time the StayLinked Administrator saves changes to one of the files. The StayLinked Server maintains ten backup copies for each configuration file. These backup copies will allow you to possibly recover a previous configuration of the server.

4.4 Performance Tuning on the iSeries Platform

Following are guidelines for tuning the StayLinked Server on your iSeries.

4.4.1 Memory and Threads Requirements for the IBM Classic JVM

For customers that are running StayLinked on the iSeries platform using the IBM Classic JVM, we recommend that the StayLinked Server Subsystem be allocated at least 1MB of RAM per device session plus 25% for overhead. If you intend to connect 100 concurrent devices, then we would recommend at least 125MB of RAM be available to the StayLinked Server Subsystem at all times. (100 devices X 1MB + 25%). The absolute minimum recommended RAM is 64MB. StayLinked also requires 50% more threads beyond the total number of connections, so for 100 devices, we would recommend at least 150 maximum active threads. These values are estimates and might need to be adjusted for your environment. If you are running i5/OS V5R4 and using the 5722JV1 Option 8, J2SE 5.0 32 bit Java Runtime, then the memory tuning values will be smaller and more consistent with the 32-bit JVM that runs on the other IBM platforms like the pSeries AIX systems.

4.4.2 Subsystem Configuration

By default, the STAYLINKED subsystem will run in the *BASE Memory Pool. On most machines, this default configuration should be adequate. On some machines, where many devices will be connecting to the StayLinked Server and/or there are many other processes consuming resources, this may be an inadequate configuration. In order to ensure that the minimum RAM and Threads are available to the StayLinked Subsystem, special configuration of Memory Pools and Subsystem Description may be required. If there is insufficient memory available in the *BASE pool, then the StayLinked JVM might be starved of RAM, causing improper JVM operation, incomplete garbage collection cycles and possible interruptions in processing. We recommend configuring a Fixed Private Pool for use by the StayLinked Subsystem. Before tuning the StayLinked Server for optimum performance, we recommend that you read the chapters on Performance Tuning in the Work Management (SC41-5306) book for details on creating/ and configuring memory pools.

4.4.3 Using a Fixed Private Pool for the StayLinked Subsystem

If you need configure the STAYLINKED subsystem with a Fixed Private Pool, you can issue two commands to make that change. Following is an example of the OS/400 commands required to setup a fixed private memory pool for the STAYLINKED subsystem assuming 200 concurrent connections. For this number of devices, we will setup a pool with 250 MB of ram and 300 Maximum Active Threads. These are suggested values and may or may not be adequate for your environment. Experimentation with these values may be required to obtain the optimal memory and thread tuning for your machine and environment.

Change the STAYLINKED subsystem description to add a Fixed Private Storage Pool of 250MB with 300 Max Active processes.

CHGSBSD SBSD(STAYLINKED/STAYLINKED) POOLS((1 *BASE) (2 256000 300))

Modify the STAYLINKED subsystem routing entries so that all jobs in the STAYLINKED subsystem use pool ID 2.

CHGRTGE SBSD(STAYLINKED/STAYLINKED) SEQNBR(9999) CMPVAL(*ANY) POOLID(2)

Stop and restart the StayLinked Server in order for these changes to take effect.

4.5 Auto-Configuring the RF Device Names

If you wish to use device groups to define custom device name prefixes, then the target iSeries must be configured to automatically configure devices for your system. When this option is configured, the custom-named device will be auto-created the first time that the RF Unit connects to the target iSeries through StayLinked.

To review this setting, type the following command:

DSPSYSVAL SYSVAL(QAUTOCFG)

- '0': Automatic configuration is OFF. You must manually configure any new local controllers or devices that you wish to add to your system.
- '1': Automatic configuration is ON. The system automatically configures any new local controllers or devices that you add to your system. The operator receives a message that indicates the changes to the system's configuration.

Please note: Changing this setting will affect the configuration of ALL devices connected to the iSeries, and therefore your iSeries Security Officer should be notified before making any changes to this setting.

5 Final Installation Steps

This section describes the final steps required to complete new StayLinked installations. These steps include installing license keys, selecting and installing keyboard maps and installing software onto RF devices.

5.1 Installing StayLinked License Keys

StayLinked provides centralized management of concurrent user licenses for your RF devices. You are no longer required to manage individual licenses for each and every device you manage. With StayLinked, you manage a single StayLinked License Key on your StayLinked Server which determines how many of your devices can run StayLinked Sessions at the same time. StayLinked License Keys are linked to the unique serial number of your iSeries server. You can retrieve this unique server serial number from the StayLinked Administrator after connecting to the StayLinked Server. You must provide this serial number in order to have a StayLinked License Key generated for your installation. Please refer to the 'Running the Administrator for the First Time' section of the 'StayLinked Server and Administrator User Guide' for more detailed instructions.

5.2 Installing Keyboard Maps

StayLinked provides centralized management of keyboard maps for your RF devices. Before you can get started using StayLinked with your RF devices, you must load the appropriate keyboard maps onto the server. When an RF device connects to the StayLinked Server, the connection process will look for a keyboard map for your device and the target terminal emulation type. If an appropriate keyboard map is not found, then the device will not be able to start a StayLinked Session. You must use the StayLinked Administrator to load the keyboard maps for your RF devices. Please refer to the 'Managing Keyboard Maps' section of the 'StayLinked Server and Administrator User Guide' for more detailed instructions for installing keyboard maps for your devices onto the StayLinked Server.

5.3 Installing Software onto your RF Devices

StayLinked provides thin-client software for your RF devices that, once installed, will connect to the StayLinked Server and provide highly reliable wireless terminal emulation. The StayLinked Client Software is available for download from the StayLinked portal site. Each StayLinked Client has a 'User Guide' and a 'Support Guide' available in PDF format. The 'Support Guide' describes the installation and setup procedure for the specific device. The 'User Guide' describes the features and functions of the StayLinked Client Software. Once installed and configured, you will be able to connect to the server and get started.

For further information or technical assistance, please contact your StayLinked Certified Partner or you may contact us directly:



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