Session: 402066

Administration of iSeries Access for Windows - Advanced Tips

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iSeries Access for Windows – Sessions in Chicago

1. 26GH – MS Office with Client Access
2. 31GJ - Administration of iSeries Access for Windows: Advanced Tips
3. 31GH - MS Office and Client Access Integration Session 1: Setup and Overview
4. 32GH – MS Office and Client Access Integration Session 2: Word and Excel
5. 33GH – MS Office and Client Access Integration Session 3: Access-Web-Sending Data
6. 36CA - iSeries Access for Windows: What's New in V5R3
7. 41CB - iSeries Access Data Transfer: Tips and Techniques
8. 41LC - LAB: MS Office with CA/400
9. 42CB - iSeries Access for Windows: Security and Communications Tips
10. 44CA - iSeries Access for Windows in a .NET World
11. 45LA - OPEN LAB: iSeries Access for Windows with the Experts
12. 52CB - Everything you wanted to know about PC5250 emulation
13. 56CB - Performance Tune iSeries Access ODBC Driver

Agenda

- V5R3 changes
- iSeries Access for Windows Install/Upgrade
  - Install options – NetServer, CD
  - Service Packs
  - Install and Service Pack Tips
- iSeries Navigator Application Administration
- Tailored Install
- iSeries Access for Web ‘Download’ Feature
- Silent Install
- Additional Administration Tools

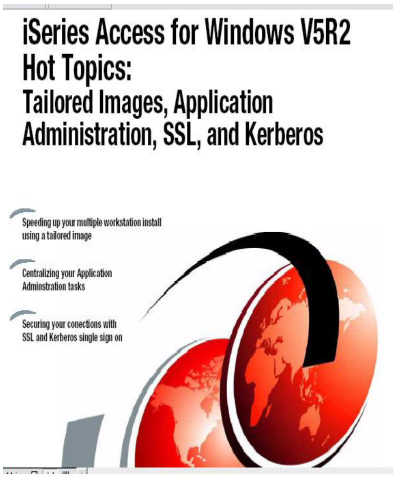
Administration

New Redbook for administering iSeries Access for Windows users

- SG24-6939
- Available Feb 2004

Go out to iSeries Access for Windows web page

- www.ibm.com/eserver/iseries/access/windows
- Click on New Redbooks link



iSeries Access for Windows V5R2 Hot Topics:
Tailored Images, Application Administration, SSL, and Kerberos

Speeding up your multiple workstation install using a tailored image

Centralizing your Application Adminstration tasks

Securing your conections with SSL and Kerberos single sign on

V5R3 changes

- iSeries Access for Windows (5722-XE1, V5R3) will not install on Windows 95, 98, Me
  - However, you can use 5722-XE1 (V5R2, V5R1) client running Windows 95, 98, or ME and connect to OOS/400 V5R3
- Migration from AS/400 Client Access for Windows 95/NT (5763-XD1, V3R2) is no longer supported
- Upgrading from AS/400 Client Access Express (5722-XE1, V4R4) is no longer supported

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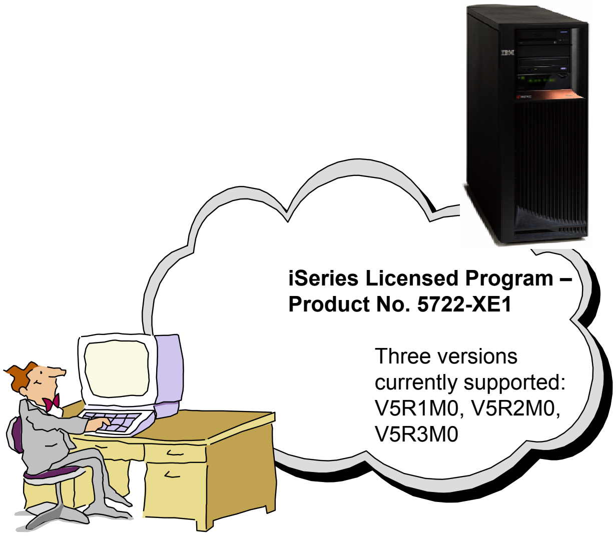
Installing, Updating, Managing



iSeries Licensed Program – Product No. 5722-XE1

Three versions currently supported: V5R1M0, V5R2M0, V5R3M0

iSeries Access installed in iSeries IFS

iSeries Access client Install Image placed in IFS in:

- \QIBM\ProdData\Access\Windows\Install\Image

iSeries Access Service Pack placed in IFS in:

- V5R1 - Service Pack PTFs saved in the main install image--no extra reboot!

Other Products included with iSeries Access

- iSeries Toolbox for Java, Java Runtime Environment, iSeries Navigator

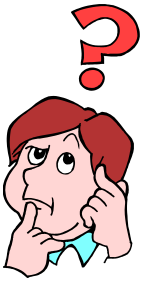
iSeries Access installs and services other code placed in IFS:

- Secure Sockets Layer (SSL) Encryption programs, EZ Setup,
- iSeries Navigator Plug-ins, Add-ins

5722-XE1 PC CD shipped with the product

- V5R2 - Can create Customized Install CD images
- V5R3 - SSL component included on 5722-XE1 CD

Install and Service Pack Tips



Make sure you have the latest Service Pack before rolling out new installs

- **Roll out new clients from merged image and get new release and latest service pack in one step**
- **Merged install image eliminates the need for an extra reboot**

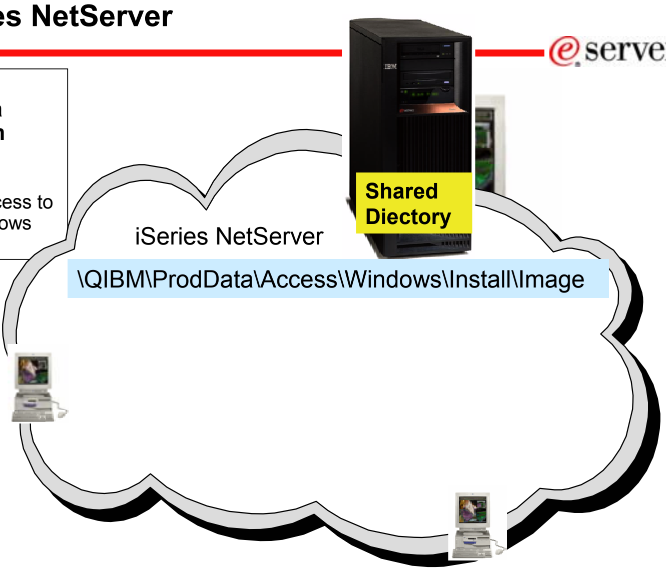
Save disk space on PCs

- **If a Service Pack has been well-tested, and you are confident in it, you can have your end-users install it without enabling service pack uninstall.**
- **This eliminates the need for an \Archive directory containing files from the previous service level.**
- **RMVPTF and reinstall from install image could be used to get back to the prior service level if necessary.**

iSeries NetServer

This path is set up a 'shared' read only in NetServer

Thus, all users have access to iSeries Access for Windows code



Shared Dictory

iSeries NetServer

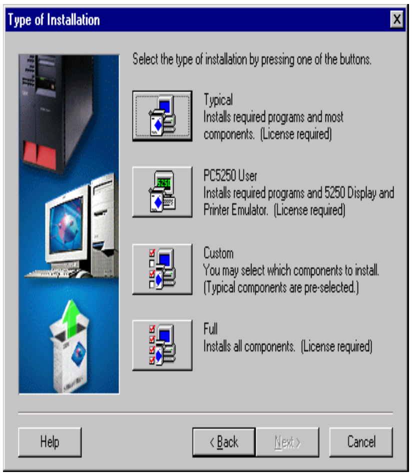
\QIBM\ProdData\Access\Windows\Install\Image

Installation Types

1. **New installation of iSeries Access for Windows**
   - If done from the iSeries using iSeries NetServer, iSeries Access for Windows automatically sets end-user up properly for later service packs and upgrades

Install Options

- Typical
- PC5250 User
- Custom
- Full
  - Useful with Tailored Install images



Type of Installation

Select the type of installation by pressing one of the buttons.

Typical
Installs required programs and most components. (License required)

PC5250 User
Installs required programs and 5250 Display and Printer Emulator. (License required)

Custom
You may select which components to install. (Typical components are pre-selected.)

Full
Installs all components. (License required)

Installation Types (continued)

iSeries Access for Windows Install/Upgrade

2. Upgrade Install

   - From one release of iSeries Access for Windows to the next release
   - Intend to always support N-2 to N
   - Default is to upgrade to new release with same set of components
   - Can add additional components during upgrade
   - Can remove existing components during upgrade process

3. Re-Install same release

   - Functionally very similar to upgrade install
   - Will install over a service pack level, returning end-user to same level as installation image

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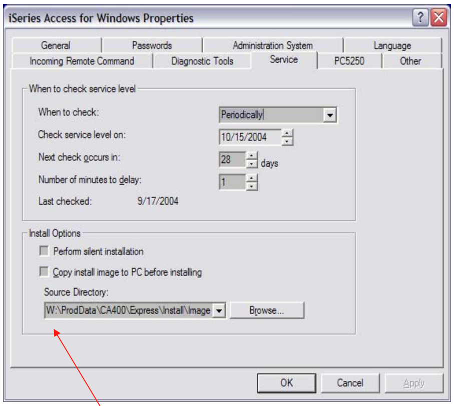
Service

Strategic way to handle service for end-users

- Automatic Check Service Level
- Check Service Level can also service:
  - iSeries Navigator Plug-ins
  - Secure Sockets Layer (SSL)


iSeries Access for Windows Properties
General
Passwords
Administration System
Language
Incoming Remote Command
Diagnostic Tools
Service
PC5250
Other
OK
Cancel
Apply
Browse...

When to check service level

When to check: Periodically

Check service level on: 10/15/2004

Next check occurs in: 28 days

Number of minutes to delay: 1

Last checked: 9/17/2004

Install Options

☐ Perform silent installation

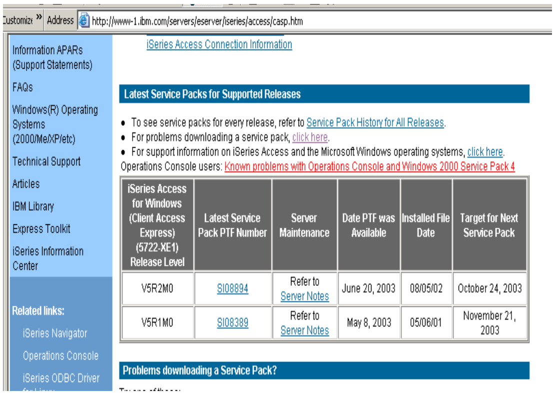
☐ Copy install image to PC before installing

Source Directory: W:\ProdData\CA400\Express\Install\Image

Note: In example above, there was a Mapped Drive to W:\\<iSeries>\QIBM, so iSeries Access for Windows filled in the rest of the address. Could also use service Source Directory of \\<iSeries>\QIBM to avoid assigning a persistent drive letter mapping

FTP Service Packs for Testing

- Suggest using FTP download for validation testing
- Then obtain PTF for distribution to enterprise.
- Quicker to obtain than PTF version, but not as integrated into the overall iSeries Access for Windows service strategy


Customize
Address
http://www-1.ibm.com/servers/eserver/iseries/access/casp.htm
Information APARs (Support Statements)
FAQs
Windows(R) Operating Systems (2000/Me/XP/etc)
Technical Support
Articles
IBM Library
Express Toolkit
iSeries Information Center
Related links:
iSeries Navigator
Operations Console
iSeries ODBC Driver

iSeries Access Connection Information

Latest Service Packs for Supported Releases

- To see service packs for every release, refer to Service Pack History for All Releases.
- For problems downloading a service pack, click here.
- For support information on iSeries Access and the Microsoft Windows operating systems, click here.

Operations Console users: Known problems with Operations Console and Windows 2000 Service Pack 4

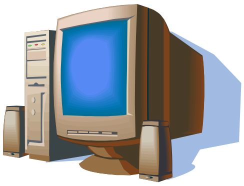
iSeries Access for Windows (Client Access Express) (5722-XE1) Release Level	Latest Service Pack PTF Number	Server Maintenance	Date PTF was Available	Installed File Date	Target for Next Service Pack
V5R2M0	SI08894	Refer to Server Notes	June 20, 2003	08/05/02	October 24, 2003
V5R1M0	SI08389	Refer to Server Notes	May 8, 2003	05/06/01	November 21, 2003

Problems downloading a Service Pack?

http://www.ibm.com/eserver/iseries/access/casp.htm

FTP Downloads

- Don't place in the original iSeries LPP directory (... \Install\Image) because that will interfere with APYPTF
- Place in iSeries IFS or on another server
  - Check Service Level will have address where client code was originally installed from, and will update clients if new Service Pack is in same folder
- Can download a large single .exe or save transmittal time by only downloading the service pack files for the iSeries Access for Windows components that your organization uses



Getting fixes from IBM

Order Service Packs through normal IBM channel
and install on the iSeries

iPTF

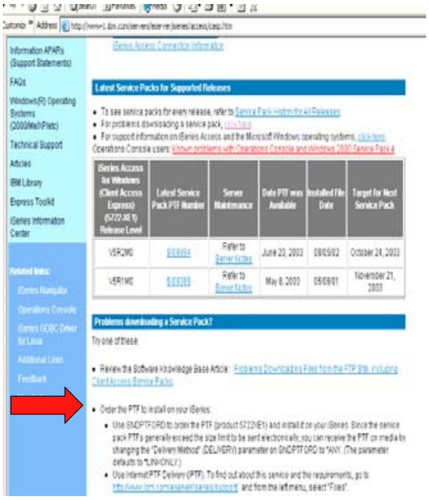
- **Internet PTF** - will send you a CD because image is too big to download over Internet.

SNDPTFORD

- **Send PTF Order** - will send you a CD because image is too big to download over Internet

CUMTAPES

- Service Pack included on CUMTAPES too, but may not be the latest one available


Address http://www-1.ibm.com/servers/eserver/iseries/access/casp.htm
Information APARs (Support Statements)
FAQs
Windows(R) Operating Systems (2000/Me/NT/etc)
Technical Support
Articles
IBM Library
Express Toolkit
iSeries Information Center
Related links:
iSeries Navigator
Operations Console
iSeries ODBC Driver for Linux
Additional Links
Feedback

iSeries Access Connection Information

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V5R2M0	[illegible]	Refer to Server Notes	June 20, 2003	03/05/02	October 24, 2003
V5R1M0	[illegible]	Refer to Server Notes	May 8, 2003	05/08/01	November 21, 2003

Problems downloading a Service Pack?

Try one of these:

- Review the Software Knowledge Base Article: Problems Downloading Files from the FTP Site, including Client Access Service Packs
- Order the PTF to install on your iSeries:
  - Use SNDPTFORD to order the PTF (product 5722XE1) and install it on your iSeries. Since the service pack PTFs generally exceed the size limit to be sent electronically, you can receive the PTF on media by changing the "Delivery Method" (DELIVERY) parameter on SNDPTFORD to *ANY. (The parameter defaults to *LINKONLY.)
  - Use Internet PTF Delivery (iPTF). To find out about this service and the requirements, go to http://www.ibm.com/eserver/iseries/support and from the left menu, select "Fixes".

www.ibm.com/eserver/iseries/access/windows

New Feature for OS/400 V5R2 Users...

Use IFS as a Virtual Optical Device

- **You can obtain a Service Pack CD electronically and place it directly in the IFS in a Virtual Optical Device (just like a real iSeries Optical Device)**
- **You can then download a CD image of the PTF and make your IFS look like a CD Drive**
- **You can install the PTF from this CD image thus eliminating the need to either use**:
  - iPTF
  - SNDPTFORD

- **Install the Operations Navigator plug-in**
  - **Required one time only if you choose to download using Operations Navigator**
- **Download the self-extracting .exe file**
  - **Run the .exe file and install the files in the default directory:**
    - **jvopnav\com\ibm\as400\opnav**
- **Consider using software managers called "download managers" to allow you to resume interrupted or failed downloads, such as:**
  - **GetRight®**
  - **Go!Zilla**
  - **Netzip**
  - **SmartDownload**
- **For more information, go to:**
  - **http://www-912.ibm.com/supporthome.nsf/document/27321011**

This option of ordering the official Service Pack PTF may be a more attractive alternative than downloading the Service Pack PTF from the iSeries Access webpage

Notes: Installing fixes from the FTP Server

Before installing fixes from the Download Server

Before you install the fixes in your package, do the following.

- Have a copy of the e-mail confirming your order available for reference.
- Install the Operations Navigator plug-in. (Required one time only if you choose to download using Operations Navigator)
- Download the self-extracting .exe file.
- Run the .exe file. You should install the files in the default directory: jvopnav\com\ibm\as400\opnav.

Consider using software managers called "download managers" to allow you to resume interrupted or failed downloads. Although IBM does not endorse any third-party download managers, some popular ones include the following. [1]

- GetRight®
- Go!Zilla
- Netzip
- SmartDownload

Follow these steps to download the fixes

- Decide whether to download the fixes directly to IFS (Integrated File System) on the iSeries or to a PC.

With V5R2, you have two choices.

- You can use image catalogs, and download the fixes directly to IFS on the iSeries.
- Or, you can burn CD-ROMs on a PC.

Without V5R2, you must burn CD-ROMs on a PC.

Note: You will get better performance when burning the CD-ROMs if you put the files on your local PC drive.

Select one of the following three methods to download the fixes.

- Use the FTP command from OS/400
- Use a Web browser
- Use Operations Navigator
- To download the fixes, follow the instructions provided in your e-mail for whichever method you selected in the previous step.

Note: The time that it will take to download the fixes is dependent on many factors including the speed and the configuration of your network.

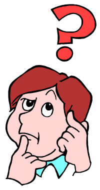
Follow these steps to install the fixes

- You may install the fixes using either method listed below.
- Install the fixes from an image catalog associated with a virtual optical device. (V5R2 required)
- Install the fixes from CD-ROM on any supported release.

Install the fixes from an image catalog

- Refer to the instructions on how to install fixes from an image catalog in the iSeries Information Center.
- Note: You must have release V5R2 installed in order to to use image catalogs.

Install and Service Pack Tips



Keep end-users from installing a service pack until you are ready

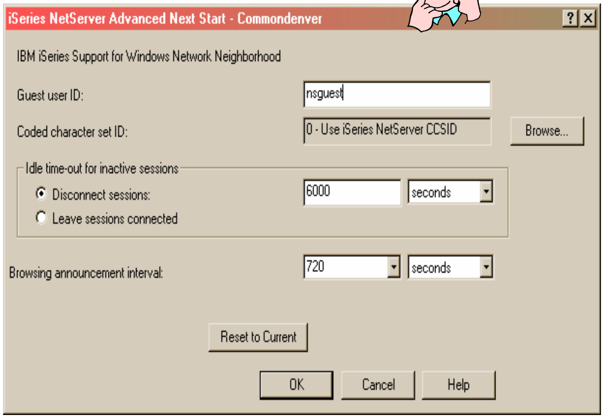
- **Text file SP.TXT placed in the service pack image directory can prevent anyone from installing the service pack until you are ready**
  - **'N' as the 1st character in the file prevents install**
  - **'Y' or no SP.TXT file at all will allow the install Second text line can contain a message to users that will appear during Check Service Level**
- **Same method used to prevent all end-users from upgrading via Check Service Level to a new release**
- **Additional control values for a merged image:**
  - **'U' allows an upgrade, but stops a service pack**
  - **'S' allows a service pack, but stops an upgrade**

Documented in User's Guide - look in Index for 'SP'

Install and Service Pack Tips

iSeries Netserver **Guest User** profile

- For users that normally do not have access to this iSeries - but you wish to give them access to client code or service packs



iSeries NetServer Advanced Next Start - Commondenver

IBM iSeries Support for Windows Network Neighborhood

Guest user ID: nsguest

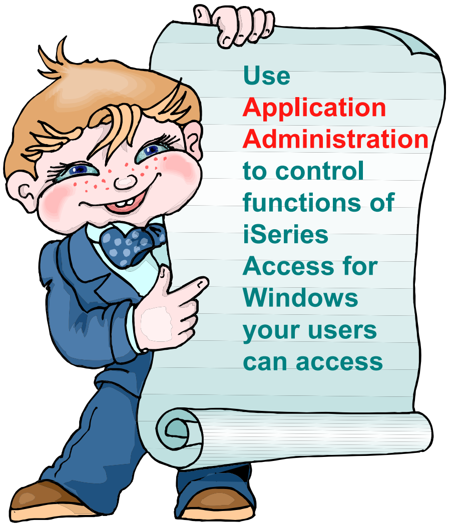
Coded character set ID: 0 - Use iSeries NetServer CCSID

Idle time-out for inactive sessions

● Disconnect sessions: 6000 seconds

○ Leave sessions connected

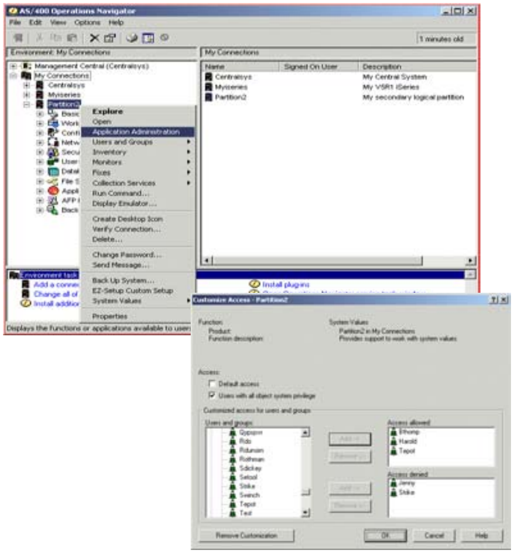
Browsing announcement interval: 720 seconds



Use **Application Administration** to control functions of iSeries Access for Windows your users can access

Application Administration Overview

- Manage access to functions on a "per iSeries user" basis
  - iSeries Navigator
  - iSeries Access for Windows functions
  - Other client and host applications
  - Ability to even restrict users with All Object privilege
- Easy to use interface
- *SECADM authority required on iSeries to manage Application Administration settings
  - *ALLOBJ required for some Advanced Settings


AS/400 Operations Navigator
File Edit View Options Help
1 minutes old
Environment: My Connections
Management Central (Centralsys)
My Connections
Centralsys
Myiseries
Partition2
Explore
Open
Application Administration
Users and Groups
Inventory
Monitors
Fixes
Collection Services
Run Command...
Display Emulator...
Create Desktop Icon
Verify Connection...
Delete...
Change Password...
Send Message...
Back Up System...
EZ-Setup Custom Setup
System Values
Properties
Environment task
Install plug-ins
Customize Access - Partition2
Remove Customization
OK
Cancel
Help

My Connections

Name	Signed On User	Description
Centralsys		My Central System
Myiseries		My V5R1 iSeries
Partition2		My secondary logical partition

Displays the functions or applications available to users

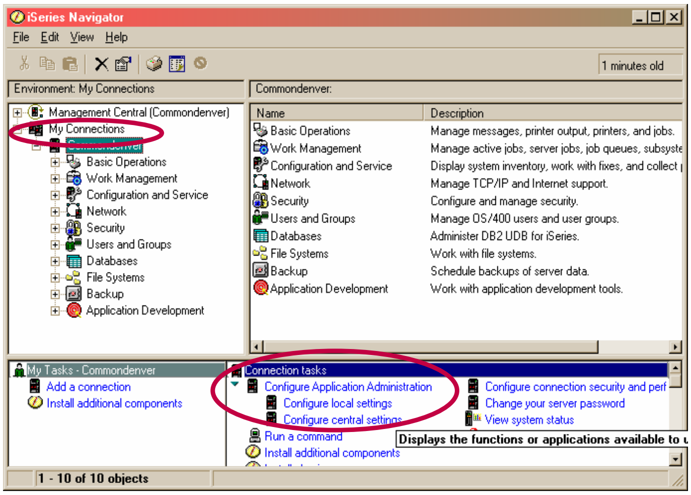
Function: System Values
Product: Partition2 in My Connections
Function description: Provides support to work with system values

Access:
☐ Default access
☑ Users with all object system privilege

Customized access for users and groups
Users and groups: Gppsjon, Rdo, Rdunsin, Rothman, Sdickey, Setool, Stike, Swinch, Tepot, Test
Access allowed: Ethomp, Harold, Tepot
Access denied: Jenny, Stike

Application Administration

•Can access from Task Bar also


iSeries Navigator
File Edit View Help
1 minutes old
Environment: My Connections
Management Central (Commondenver)
My Connections
Commondenver
Basic Operations
Work Management
Configuration and Service
Network
Security
Users and Groups
Databases
File Systems
Backup
Application Development
My Tasks - Commondenver
Add a connection
Install additional components
Connection tasks
Configure Application Administration
Configure local settings
Configure central settings
Run a command
Install additional components
Configure connection security and perf
Change your server password
View system status

Commondenver:

Name	Description
Basic Operations	Manage messages, printer output, printers, and jobs.
Work Management	Manage active jobs, server jobs, job queues, subsyste
Configuration and Service	Display system inventory, work with fixes, and collect
Network	Manage TCP/IP and Internet support.
Security	Configure and manage security.
Users and Groups	Manage OS/400 users and user groups.
Databases	Administer DB2 UDB for iSeries.
File Systems	Work with file systems.
Backup	Schedule backups of server data.
Application Development	Work with application development tools.

Displays the functions or applications available to u

1 - 10 of 10 objects

Application Administration Overview (continued)

- Part of iSeries Navigator - separately installable component
- Can be set up differently for each iSeries in your network
  - Users get the same access to a particular iSeries regardless of which PC they use
- Application Administration settings are stored on the iSeries and associated with the user profile (*USRPRF) or other iSeries database files.
  - The iSeries user-id determines access rights - in cases where the PC user-id differs from the iSeries user-id
  - iSeries Access for Windows/iSeries Navigator software calls low-level Application Admininstration (AppAdm) functions to determine if a particular function can be performed or not.
- You can copy settings from function to function for ease of administration

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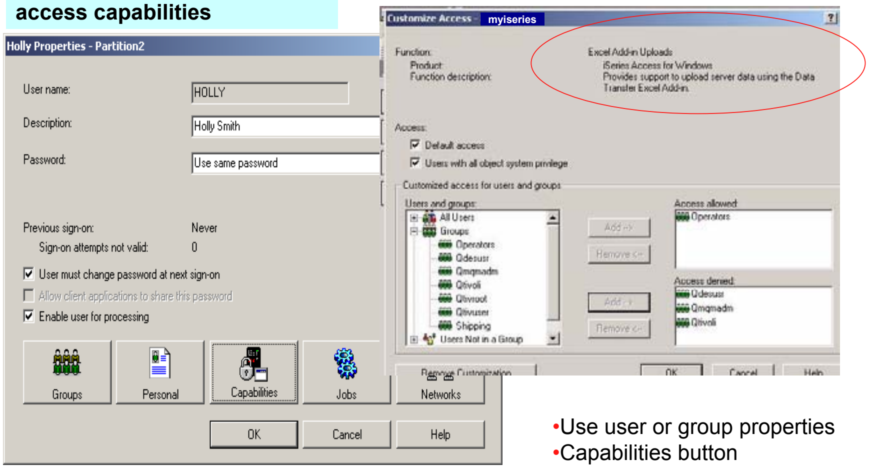
Application Administration - By User

Individual users and groups can be given more or less access capabilities



Holly Properties - Partition2

User name: HOLLY

Description: Holly Smith

Password: Use same password

Previous sign-on: Never

Sign-on attempts not valid: 0

☑ User must change password at next sign-on

☐ Allow client applications to share this password

☑ Enable user for processing

Customize Access - myiseries

Function: Excel Add-in Uploads

Product: iSeries Access for Windows

Function description: Provides support to upload server data using the Data Transfer Excel Add-in.

Access:

☑ Default access

☑ Users with all object system privilege

Customized access for users and groups

Users and groups: All Users, Groups, Operators, Qdesusr, Qmqmadm, Qtivoli, Qtivroot, Qtivuser, Shipping, Users Not in a Group

Access allowed: Operators

Access denied: Qdesusr, Qmqmadm, Qtivoli

- Use user or group properties
- Capabilities button
- Applications tab

Notes: Application Administration

To Access Application Administration:

- For an individual iSeries, right click on "Management Central (SystemX)" in iSeries Navigator. Select Application Administration from the context menu. This will allow you to view and modify access settings for administrator functions in iSeries Navigator, other Client Applications, and Host applications. Selecting the "Applications" button from this dialog allows you to work with iSeries Navigator, other Client, and Host applications that can be restricted with Application Administration
- For Administering functions specific to Management Central on your current Central System, right click on "Management Central (SystemX)" in iSeries Navigator. Select Application Administration from the context menu. This will allow you to view and modify access settings only for administrator functions associated with Management Central on the current Central System. Selecting the "Applications" button from this dialog, only allows you to work with Management Central applications that can be restricted with Application Administration.

Registering Applications to be administered: Application Administration cannot be used to restrict access to an application's functions until the application has been registered on the iSeries. To register Applications, select the "Applications" button from the Application Administration dialog. Then select the applications you want to administer and click the "Add" button.

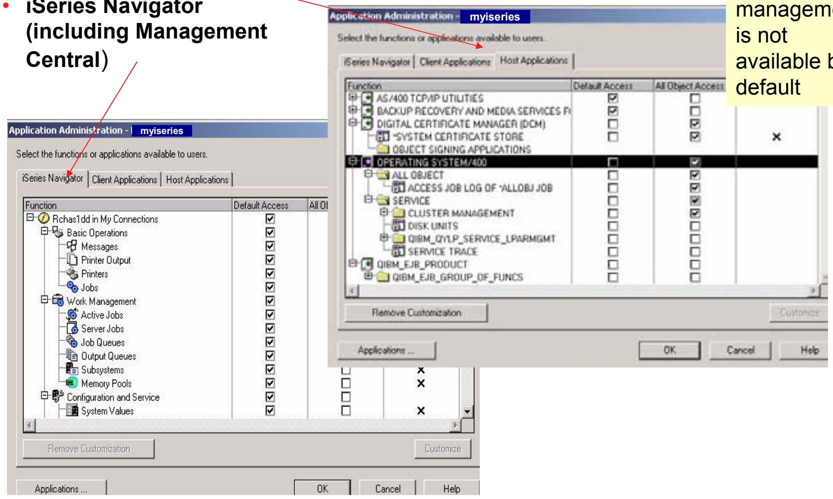
Default Access: The Application Administration dialog allows you to set up the default access scheme for iSeries Navigator and any other host or client applications which make use of Application Administration. You can explicitly give or take away access to the default user; you can also take away access to those users with *ALLOBJ (all object) privilege.

Individual Access: An individual user or group can then be given more or less access. This can be done by using the "Customize" button from the Application Administration dialog and selecting users and groups that should be specifically allowed or denied access to a function. To easily view and manage all of the access settings for an individual user or group, select the user's properties under "Users and Groups," push the "Capabilities" push button, and click on the "Applications" tab in the Capabilities dialog. This dialog also shows where the users access for each function comes from --the default access scheme, *ALLOBJ privilege, membership in a group that has explicit access, or explicit user access.

Application Administration - by system

- Host Applications
- iSeries Navigator (including Management Central)

Disk management is not available by default



Application Administration - myiseries

Select the functions or applications available to users.

Function	Default Access	All Ob	
Rchas1dd in My Connections	☑		
Basic Operations	☑		
Messages	☑		
Printer Output	☑		
Printers	☑		
Jobs	☑		
Work Management	☑		
Active Jobs	☑		
Server Jobs	☑		
Job Queues	☑		
Output Queues	☑		
Subsystems	☑	☐	×
Memory Pools	☑	☐	×
Configuration and Service	☑	☐	
System Values	☑	☐	×

Application Administration - myiseries

Select the functions or applications available to users.

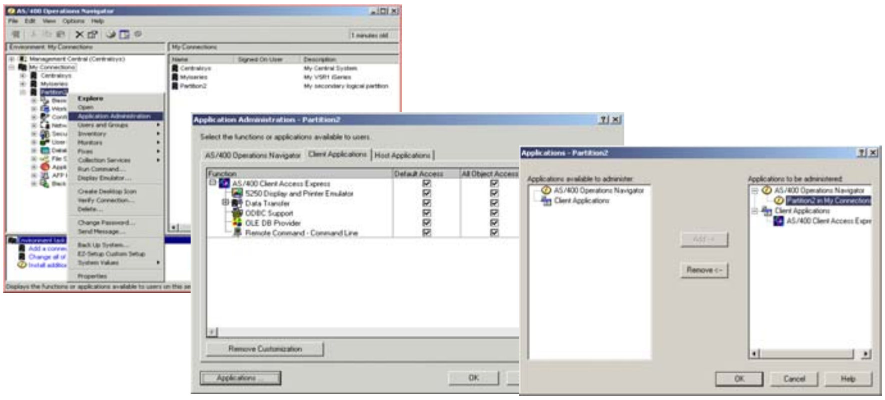
Function	Default Access	All Object Access	
AS/400 TCP/IP UTILITIES	☑	☐	
BACKUP RECOVERY AND MEDIA SERVICES F	☑	☐	
DIGITAL CERTIFICATE MANAGER (DCM)	☐	☑	
*SYSTEM CERTIFICATE STORE	☐	☑	×
OBJECT SIGNING APPLICATIONS			
OPERATING SYSTEM/400	☐	☑	
ALL OBJECT	☐	☑	
ACCESS JOB LOG OF *ALLOBJ JOB	☐	☑	
SERVICE	☐	☑	
CLUSTER MANAGEMENT	☐	☑	
DISK UNITS	☐	☐	
QIBM_QYLP_SERVICE_LPARMGMT	☐	☐	
SERVICE TRACE	☐	☐	
QIBM_EJB_PRODUCT	☐	☐	
QIBM_EJB_GROUP_OF_FUNCS	☐	☐	

Notes: Registering Applications

Add and remove applications to be administered through Application Administration

No changes can be made to the "shipped value" for access settings until the application has been registered to Application Administration

If an application is shown in both lists on this dialog, it indicates the application has been registered on the iSeries, but there are some administrator functions for this application that are defined on this client, but are not registered on the iSeries. You can select the application and press "Add" to register the additional functions.


AS/400 Operations Navigator
File Edit View Options Help
1 minutes old
Environment: My Connections
Management Central (Centralsys)
My Connections
Centralsys
Myiseries
Partition2
My Connections
Name
Signed On User
Description
Centralsys
My Central System
Myiseries
My V5R1 iSeries
Partition2
My secondary logical partition
Explore
Open
Application Administration
Users and Groups
Inventory
Monitors
Fixes
Collection Services
Run Command...
Display Emulator...
Create Desktop Icon
Verify Connection...
Delete...
Change Password...
Send Message...
Back Up System...
EZ-Setup Custom Setup
System Values
Properties
Displays the functions or applications available to users on this se
Application Administration - Partition2
Select the functions or applications available to users.
AS/400 Operations Navigator
Client Applications
Host Applications
Function
Default Access
All Object Access
AS/400 Client Access Express
5250 Display and Printer Emulator
Data Transfer
ODBC Support
OLE DB Provider
Remote Command - Command Line
Remove Customization
Applications...
OK
Applications - Partition2
Applications available to administer:
AS/400 Operations Navigator
Client Applications
Add ->
Remove <-
Applications to be administered:
AS/400 Operations Navigator
Partition2 in My Connections
Client Applications
AS/400 Client Access Expre
OK
Cancel
Help

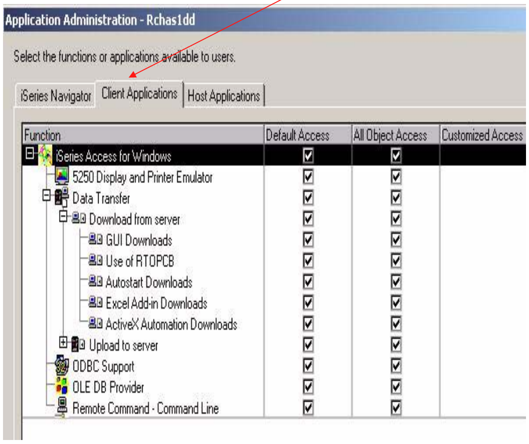
Application Administration – iSeries Access

All Application Administration information is stored on the iSeries server, and roams with users when they use iSeries Access for Windows on a different PC

Can control use of the following iSeries Access for Windows functions:

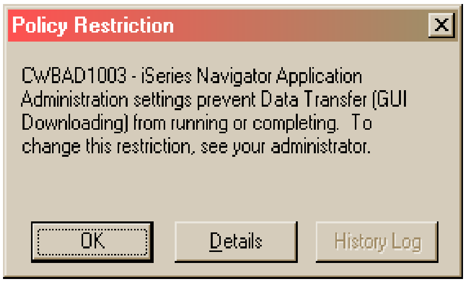
- **PC5250**
- **Data Transfer**
- **ODBC**
- **OLE DB**
- **Remote Program Calls**
- **iSeries Access for Windows/ iSeries Navigator commands**

iSeries Access for Windows


Application Administration - Rchas1dd
Select the functions or applications available to users.
iSeries Navigator
Client Applications
Host Applications

Function	Default Access	All Object Access	Customized Access
iSeries Access for Windows	☑	☑	
5250 Display and Printer Emulator	☑	☑	
Data Transfer	☑	☑	
Download from server	☑	☑	
GUI Downloads	☑	☑	
Use of RTOPCB	☑	☑	
Autostart Downloads	☑	☑	
Excel Add-in Downloads	☑	☑	
ActiveX Automation Downloads	☑	☑	
Upload to server	☑	☑	
ODBC Support	☑	☑	
OLE DB Provider	☑	☑	
Remote Command - Command Line	☑	☑	

Type of error message end user might receive



Policy Restriction

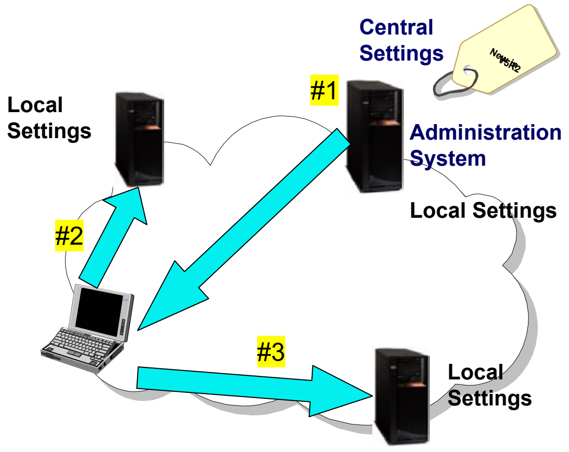
CWBAD1003 - iSeries Navigator Application Administration settings prevent Data Transfer (GUI Downloading) from running or completing. To change this restriction, see your administrator.

OK
Details
History Log

Application Administration for iSeries Access for Windows

Central Settings
New in V5R2

Applies to iSeries Access for Windows functions only



Central Settings
New in V5R2
#1
Administration System
Local Settings
Local Settings
#2
#3
Local Settings

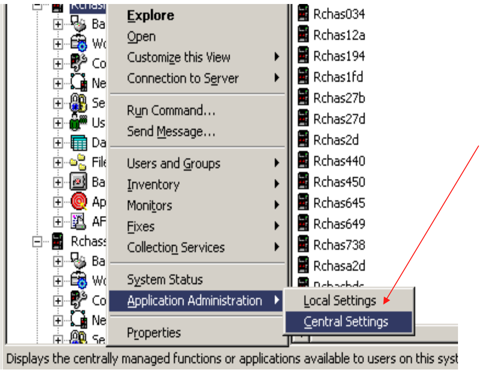
Application Administration - Local Settings

Local Settings

- **Can reside on any iSeries**
- **Were the only type of administrative settings supported by Application Administration prior to V5R2.**

They are now called Local Settings because:

- **Each iSeries maintains its own set of Application Administration settings.**
- **When an iSeries Access for Windows client accesses multiple iSeries servers, it will use whatever Local Settings were defined on each server it connects to...**


Explore
Open
Customize this View
Connection to Server
Run Command...
Send Message...
Users and Groups
Inventory
Monitors
Fixes
Collection Services
System Status
Application Administration
Properties
Local Settings
Central Settings
Rchas034
Rchas12a
Rchas194
Rchas1fd
Rchas27b
Rchas27d
Rchas2d
Rchas440
Rchas450
Rchas645
Rchas649
Rchas738
Rchasa2d

Displays the centrally managed functions or applications available to users on this syst

---

Notes: Local & Remote Settings - V5R2

How Does Application Administration Work?

- Application Administration settings are stored on the iSeries and associated with the user profile.
- Software calls AppAdmin APIs to determine if it can perform a particular function or not.
- For iSeries Navigator and Client Applications, AppAdmin API downloads the AppAdmin data from the iSeries as needed.
- The data is cached on the PC, and updated when the AppAdmin data on the iSeries changes.
- No special PC configuration is required. Application Administration is built into iSeries Access for Windows (5722-XE1).

In order to support the functionality previously only available via "iSeries Access for Windows" Policies templates, Application Administration introduced several new concepts in V5R2:

- Administration System: The "Administration System" is any V5R2 or later iSeries that has been configured to serve "Central Settings" to client PCs. By default, all iSeries are configured to not be an "Administration System".

- Local Settings: Local settings can reside on any iSeries and were the only type of administrative settings supported by Application Administration prior to V5R2. They are called "local settings" because each iSeries maintains its own set of Application Administration settings. When an iSeries Access for Windows client accesses multiple iSeries servers, it will use a different set of local settings for each server.

- Central Settings: Central settings are new in V5R2 and can only be supported by V5R2 or later iSeries servers that are configured as an "Administration System". Only V5R2 or later iSeries Access for Windows clients will retrieve central settings from an "Administration System". The central settings affect iSeries Access for Windows properties that apply to all iSeries servers that the client may access. The main difference between "Central Settings" and "Local Settings" is that the central settings are retrieved from a single central server, while local settings are retrieved from each iSeries being accessed by the PC.

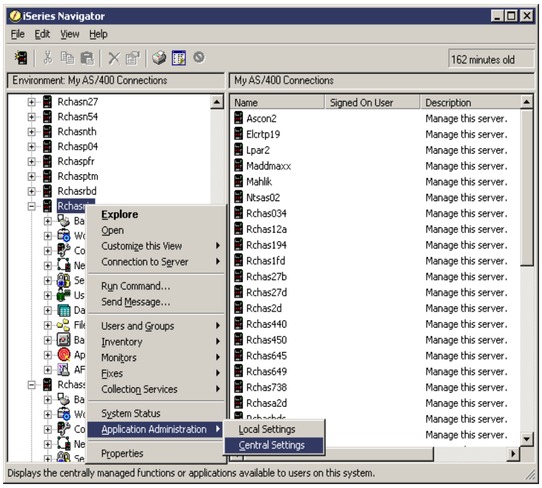
Application Administration - Central Settings

Central Settings:

- **Affect iSeries Access for Windows properties that apply to all iSeries servers that the client may access.**

Central settings are:

- **Can only be used on OS/400 V5R2 or later**
- **V5R2 iSeries server must be configured as an "Administration System".**
- **Only V5R2 or later iSeries Access for Windows clients will retrieve central settings from the "Administration System"**

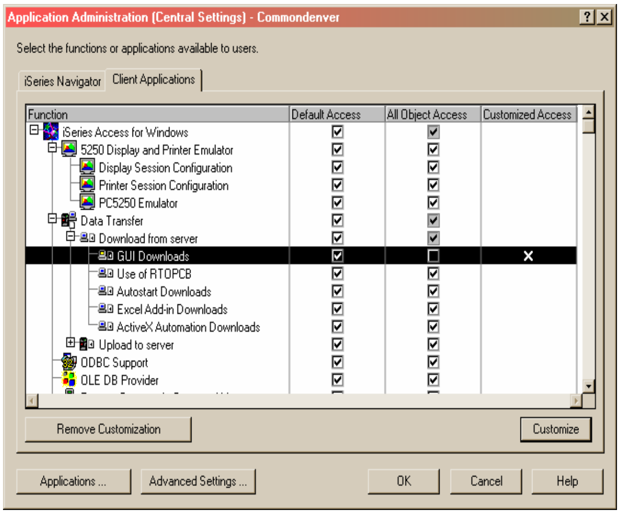

iSeries Navigator
File
Edit
View
Help
162 minutes old
Environment: My AS/400 Connections
My AS/400 Connections
Rchasn27
Rchasn54
Rchasnth
Rchasp04
Rchaspfr
Rchasptm
Rchasrbd
Explore
Open
Customize this View
Connection to Server
Run Command...
Send Message...
Users and Groups
Inventory
Monitors
Fixes
Collection Services
System Status
Application Administration
Properties
Local Settings
Central Settings

Name	Signed On User	Description
Ascon2		Manage this server.
Elcrtp19		Manage this server.
Lpar2		Manage this server.
Maddmaxx		Manage this server.
Mahlik		Manage this server.
Ntsas02		Manage this server.
Rchas034		Manage this server.
Rchas12a		Manage this server.
Rchas194		Manage this server.
Rchas1fd		Manage this server.
Rchas27b		Manage this server.
Rchas27d		Manage this server.
Rchas2d		Manage this server.
Rchas440		Manage this server.
Rchas450		Manage this server.
Rchas645		Manage this server.
Rchas649		Manage this server.
Rchas738		Manage this server.
Rchasa2d		Manage this server.

Displays the centrally managed functions or applications available to users on this system.

Example – Central Settings

Will apply to all systems a user connects to in this network


Application Administration (Central Settings) - Commondenver
iSeries Navigator
Client Applications
Remove Customization
Customize
Applications ...
Advanced Settings ...
OK
Cancel
Help

Select the functions or applications available to users.

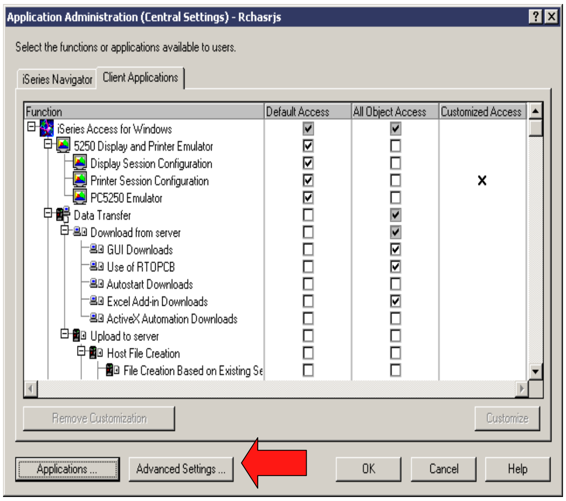
Function	Default Access	All Object Access	Customized Access
iSeries Access for Windows	☑	☑	
5250 Display and Printer Emulator	☑	☑	
Display Session Configuration	☑	☑	
Printer Session Configuration	☑	☑	
PC5250 Emulator	☑	☑	
Data Transfer	☑	☑	
Download from server	☑	☑	
GUI Downloads	☑	☐	X
Use of RTOPCB	☑	☑	
Autostart Downloads	☑	☑	
Excel Add-in Downloads	☑	☑	
ActiveX Automation Downloads	☑	☑	
Upload to server	☑	☑	
ODBC Support	☑	☑	
OLE DB Provider	☑	☑	

Central Settings - Advanced

Central Settings support
Advanced Settings

This allows an administrator to customize many of the properties used by iSeries Access for Windows, such as:

- **Defining a set of environments to be used by the client**
- **Customize many of the connection, service, language, and password used by the clients**



Application Administration (Central Settings) - Rchasrjs

Select the functions or applications available to users.

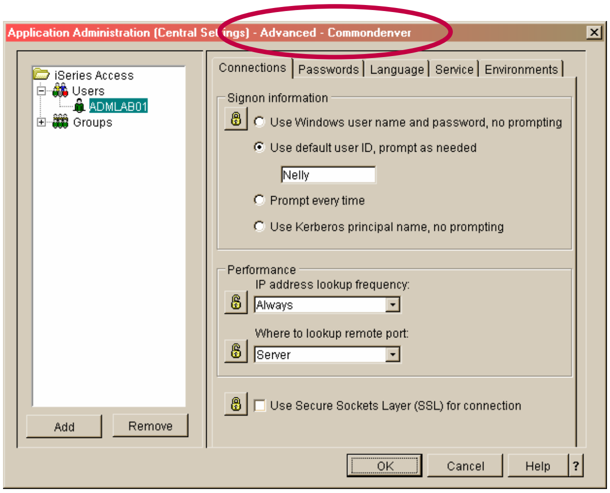
iSeries Navigator
Client Applications

Function	Default Access	All Object Access	Customized Access
iSeries Access for Windows	☑	☑	
5250 Display and Printer Emulator	☑	☐	
Display Session Configuration	☑	☐	
Printer Session Configuration	☑	☐	X
PC5250 Emulator	☑	☐	
Data Transfer	☐	☑	
Download from server	☐	☑	
GUI Downloads	☐	☑	
Use of RTOPCB	☐	☑	
Autostart Downloads	☐	☐	
Excel Add-in Downloads	☐	☑	
ActiveX Automation Downloads	☐	☐	
Upload to server	☐	☐	
Host File Creation	☐	☐	
File Creation Based on Existing Se	☐	☐	

Remove Customization
Customize
Applications ...
Advanced Settings ...
OK
Cancel
Help

Example of an Advanced Setting

Connections: Signon information; Performance



Application Administration (Central Settings) - Advanced - Commondenver

iSeries Access
Users
ADMLAB01
Groups
Add
Remove
Connections
Passwords
Language
Service
Environments

Signon information

○ Use Windows user name and password, no prompting

● Use default user ID, prompt as needed: Nelly

○ Prompt every time

○ Use Kerberos principal name, no prompting

Performance

IP address lookup frequency: Always

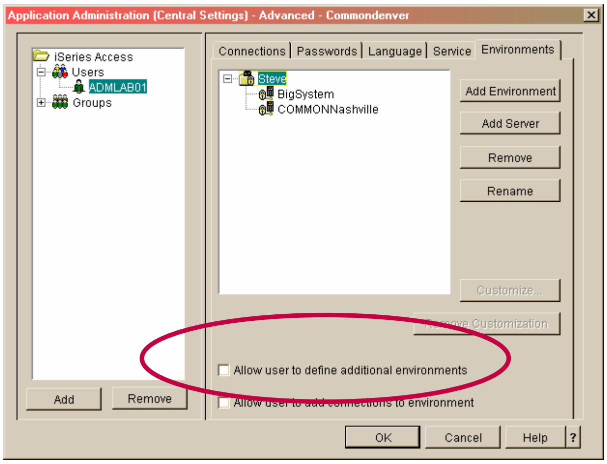
Where to lookup remote port: Server

☐ Use Secure Sockets Layer (SSL) for connection

OK
Cancel
Help
?

Example of an Advanced Settings

Prohibit user from defining additional environments

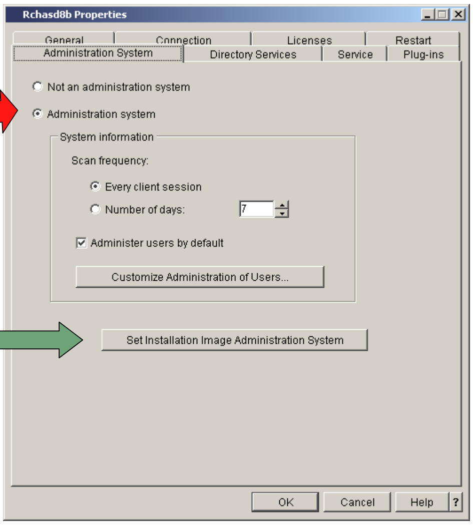

Application Administration (Central Settings) - Advanced - Commondenver
iSeries Access
Users
ADMLAB01
Groups
Add
Remove
Connections
Passwords
Language
Service
Environments
Steve
BigSystem
COMMONNashville
Add Environment
Add Server
Remove
Rename
Customize...
Remove Customization
OK
Cancel
Help
?

☐ Allow user to define additional environments

☐ Allow user to add connections to environment

Identify a "Central" System

- In order to use a "Central System, you must set up a system in the network to be the "Administration system"
  - Start iSeries Navigator and point to system you want to be the Administration System
  - Right click on the system name and select "Properties"
  - Click the Administration System Tab
  - Check "Administration System" button to set the system as your Administration System
- You should also set up this system in your iSeries Access for Windows install image.
  - Select the "Set Installation Image Administration System" button to do this.
  - Then any PC installing iSeries Access for Windows from this system will automatically be set up with this system being their "Central System"


Rchasd8b Properties
General
Connection
Licenses
Restart
Administration System
Directory Services
Service
Plug-ins
Customize Administration of Users...
Set Installation Image Administration System
OK
Cancel
Help
?

○ Not an administration system

● Administration system

System information

Scan frequency:

● Every client session

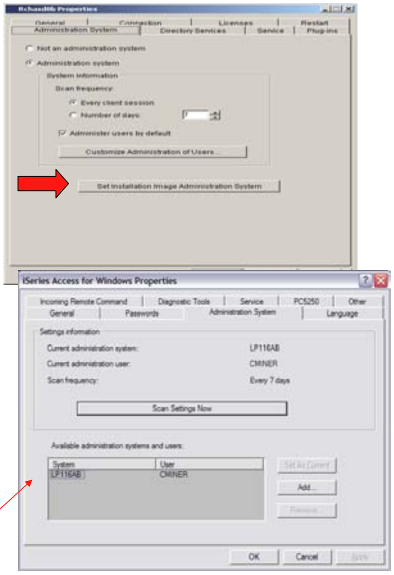
○ Number of days: 7

☑ Administer users by default

Set up PCs to know which system is “Central” System

Each PC must be set up with the name of the Central System. There are 3 ways to get this information on the PC.

1. If iSeries Access for Windows code was installed from the “Central System” and you had previously used iSeries Navigator to put the system name in the install image. Start iSeries Navigator and point to system you want to be the Administration System.
   - If you have multiple iSeries servers in your network, you would only need to install iSeries Access for Windows on this “Central System”, then have all users install from this system. In the future you would only need to apply Service Packs and new releases to this system.
2. Have all users connect to the Central System. iSeries Navigator will then automatically set up PC with information that this is its “Central System”.
3. Go to each PC and open up the iSeries Access for Windows “Properties” panel. Go to “Administration System” tab, and set the system name for the user.


Rchaedlib Properties
General
Connection
Licenses
Restart
Administration System
Directory Services
Service
Plug-ins
System information
Scan frequency:
Customize Administration of Users...
Set Installation Image Administration System
iSeries Access for Windows Properties
Incoming Remote Command
Diagnostic Tools
Service
PC5250
Other
General
Passwords
Administration System
Language
Settings information
Scan Settings Now
Available administration systems and users:
Set As Current
Add...
Remove...
OK
Cancel
Apply

○ Not an administration system

● Administration system

● Every client session

○ Number of days: 7

☑ Administer users by default

Current administration system: LP116AB

Current administration user: CMINER

Scan frequency: Every 7 days

System	User
LP116AB	CMINER

Notes: Administration System for iSeries Access for Windows users

In order to support the functionality previously only available via "iSeries Access for Windows" Policies templates, Application Administration introduced a new concept in V5R2 called **Administration System**: The Administration System is a central system that is used to manage many of the properties used by iSeries Access for Windows clients. The Administration System is any V5R2 or later iSeries that has been configured to serve "Central Settings" to client PCs. By default, all iSeries are configured to **not be** an Administration System.

A System Administrator must use Application Administration to configure an iSeries server before it can act as an Administration System. Typically a network will have only 1 iSeries system acting as the Administration System. This administration system will be used by iSeries Access for Windows clients as the source for their administration system settings. Although a network can have multiple iSeries systems defined as the administration system, iSeries Access for Windows clients will only use a single administration system for their central settings. defined,

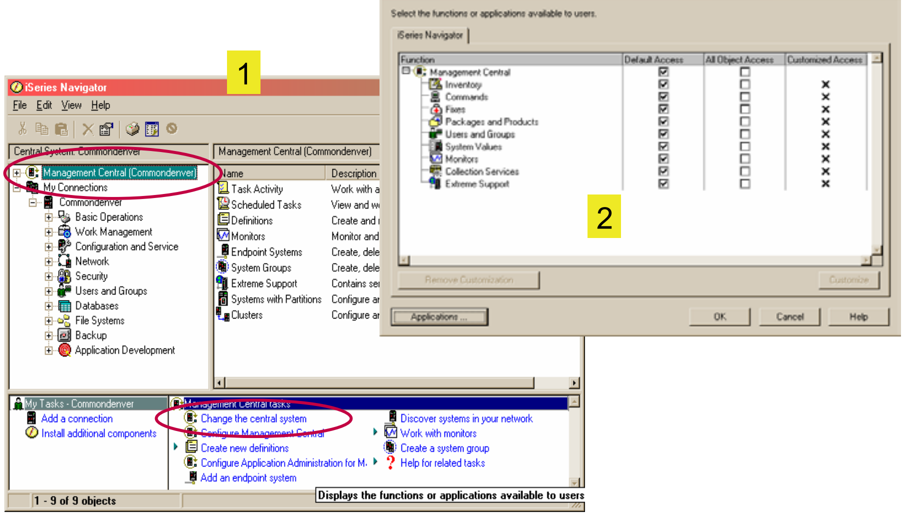
The “Set Installation Image Administration System” dialog allows an administrator to change an iSeries Access for Windows installation image so that it contains an initial administration system. All clients that install using this updated installation image will use the system specified on this dialog as their initial administration system.
Click Browse to display a list of possible installation image locations. Note: The systems available to select are systems that are currently in your active environment. If you want to treat a system as an administration system, but that system is not available from the list, you will need to add that system to your active environment.

To add a system to your active environment from the iSeries Navigator menu bar, follow these steps:

- Select File-->Connection to Servers-->Environments.
- From the Environments dialog, select your active environment from the Environments list and click Add server.
- Follow the Add Connection wizard to add a system to your active environment.

Example - Management Central

Central Settings



iSeries Navigator

File Edit View Help

Central System: Commondenver

- Management Central (Commondenver)
- My Connections
  - Commondenver
    - Basic Operations
    - Work Management
    - Configuration and Service
    - Network
    - Security
    - Users and Groups
    - Databases
    - File Systems
    - Backup
    - Application Development

Management Central (Commondenver)

Name	Description
Task Activity	Work with a
Scheduled Tasks	View and w
Definitions	Create and
Monitors	Monitor and
Endpoint Systems	Create, dele
System Groups	Create, dele
Extreme Support	Contains se
Systems with Partitions	Configure a
Clusters	Configure a

My Tasks - Commondenver

- Add a connection
- Install additional components

Management Central tasks

- Change the central system
- Configure Management Central
- Create new definitions
- Configure Application Administration for M.
- Add an endpoint system
- Discover systems in your network
- Work with monitors
- Create a system group
- Help for related tasks

1 - 9 of 9 objects

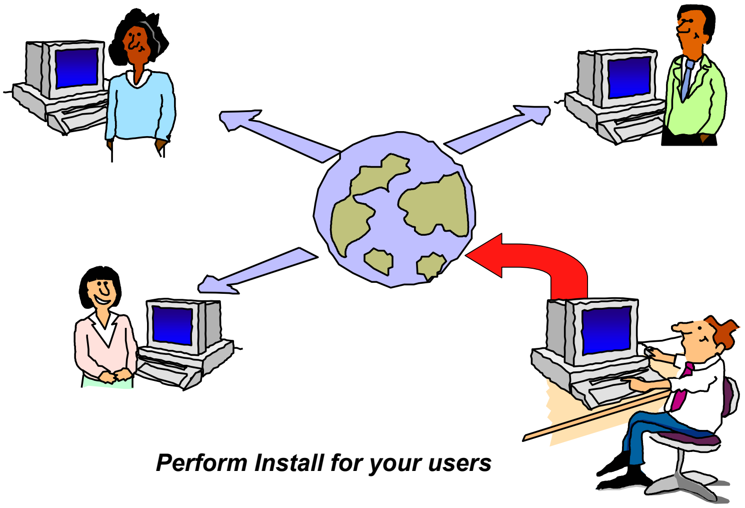
Displays the functions or applications available to users

Application Administration - Commondenver

Select the functions or applications available to users.

iSeries Navigator

Function	Default Access	All Object Access	Customized Access
Management Central	☑	☐	
Inventory	☑	☐	✕
Commands	☑	☐	✕
Fixes	☑	☐	✕
Packages and Products	☑	☐	✕
Users and Groups	☑	☐	✕
System Values	☑	☐	✕
Monitors	☑	☐	✕
Collection Services	☑	☐	✕
Extreme Support	☑	☐	✕



Perform Install for your users

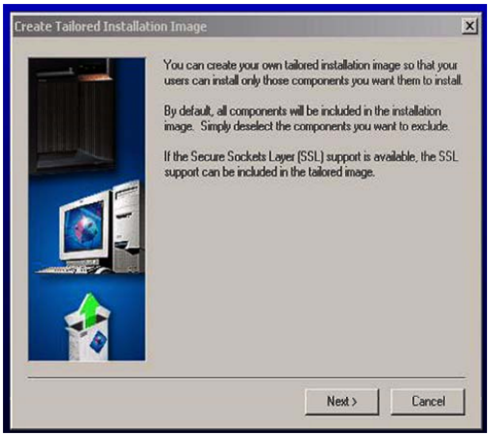
Tailored Install

Tailored Install

Would you like to control which iSeries Access for Windows components your users install?

You can use Tailored Install to:

- **Create a custom installation image by excluding the unwanted components from a master installation image.**
- **Use this customized installation image for installations across your network**
- **Users can easily install iSeries Access functions by selecting a single option**



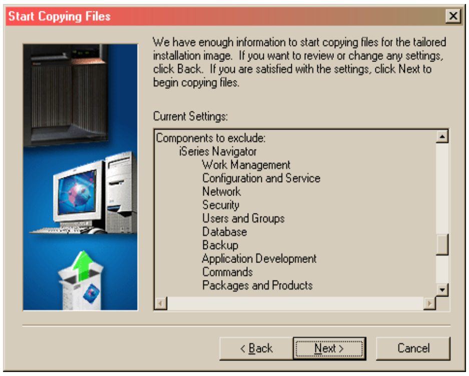
You can create your own tailored installation image so that your users can install only those components you want them to install.

By default, all components will be included in the installation image. Simply deselect the components you want to exclude.

If the Secure Sockets Layer (SSL) support is available, the SSL support can be included in the tailored image.

Notes: Tailored Install

- Limit components available for end-users to install
- Tailored Install GUI - looks like Custom Install
  - cwbinimg.bat from original installation image
  - Creates a tailored image based on a subset of the original image into the specified target directory
- Omit components that you do not want in your tailored image
  - Component prerequisites and dependencies are enforced to ensure that a valid installable image is created
- Installs from a tailored image will dynamically build a component selection list based on the .cab file content in the installation image
- Use i5/OS authorities to restrict users or groups from install images that they should not be installing/upgrading from



We have enough information to start copying files for the tailored installation image. If you want to review or change any settings, click Back. If you are satisfied with the settings, click Next to begin copying files.

Current Settings:

Components to exclude:
  iSeries Navigator
    Work Management
    Configuration and Service
    Network
    Security
    Users and Groups
    Database
    Backup
    Application Development
    Commands
    Packages and Products

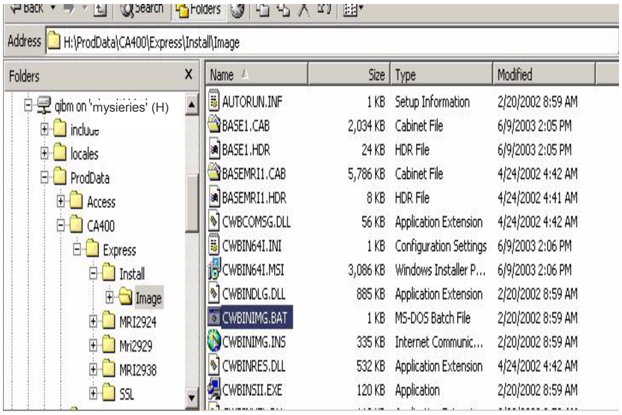
Steps to set up your own 'Tailored' Install

Find Tailored Install Wizard

- **Stored in Client Access folder**

  QIBM->
  ProdData->
  CA400->
  Express->
  Install->
  Image->

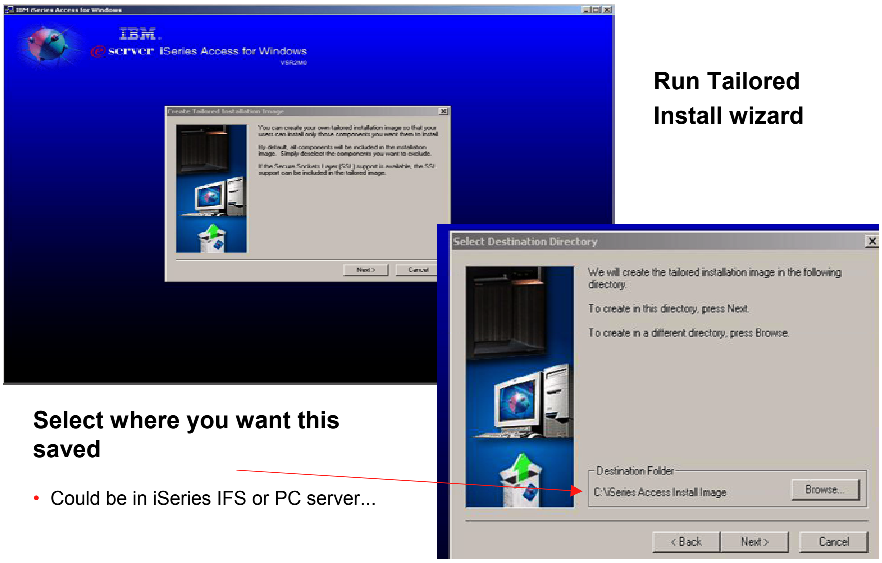
- **Start Cwbinimg.bat program**



Address H:\ProdData\CA400\Express\Install\Image

Name	Size	Type	Modified
AUTORUN.INF	1 KB	Setup Information	2/20/2002 8:59 AM
BASE1.CAB	2,034 KB	Cabinet File	6/9/2003 2:05 PM
BASE1.HDR	24 KB	HDR File	6/9/2003 2:05 PM
BASEMRI1.CAB	5,786 KB	Cabinet File	4/24/2002 4:42 AM
BASEMRI1.HDR	8 KB	HDR File	4/24/2002 4:41 AM
CWBCOMSG.DLL	56 KB	Application Extension	4/24/2002 4:42 AM
CWBIN64I.INI	1 KB	Configuration Settings	6/9/2003 2:06 PM
CWBIN64I.MSI	3,086 KB	Windows Installer P...	6/9/2003 2:06 PM
CWBINDLG.DLL	885 KB	Application Extension	2/20/2002 8:59 AM
CWBINIMG.BAT	1 KB	MS-DOS Batch File	2/20/2002 8:59 AM
CWBINIMG.INS	335 KB	Internet Communic...	2/20/2002 8:59 AM
CWBINRES.DLL	532 KB	Application Extension	4/24/2002 4:42 AM
CWBINSII.EXE	120 KB	Application	2/20/2002 8:59 AM

Run Wizard to create a Tailored Install Image



IBM iSeries Access for Windows

IBM eserver iSeries Access for Windows V5R2M0

Create Tailored Installation Image

You can create your own tailored installation image so that your users can install only those components you want them to install.

By default, all components will be included in the installation image. Simply deselect the components you want to exclude.

If the Secure Sockets Layer (SSL) support is available, the SSL support can be included in the tailored image.

Select Destination Directory

We will create the tailored installation image in the following directory.

To create in this directory, press Next.

To create in a different directory, press Browse.

Destination Folder: C:\iSeries Access Install Image

Run Tailored Install wizard

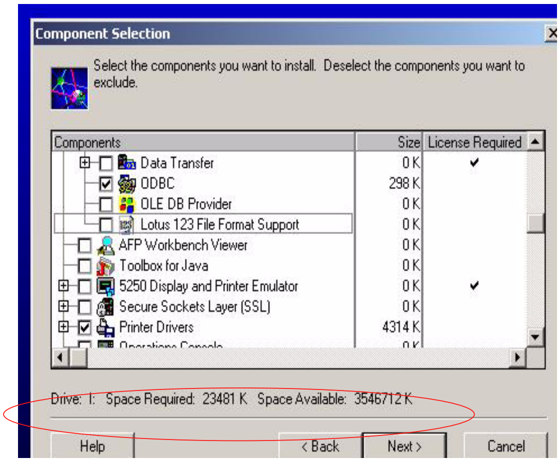
Select where you want this saved

- Could be in iSeries IFS or PC server...

Example

Only want to provide ODBC and Printer Drivers for some of your users

- **Build tailored install that only enables end users to install only ODBC and Printer drivers**
- **Deselect all items you don't want users to use. Program will tell you if there is a pre-req you must install**
- **Note: this option requires 23MB of space.**



Component Selection

Select the components you want to install. Deselect the components you want to exclude.

Components	Size	License Required
☐ Data Transfer	0 K	✓
☑ ODBC	298 K	
☐ OLE DB Provider	0 K	
☐ Lotus 123 File Format Support	0 K	
☐ AFP Workbench Viewer	0 K	
☐ Toolbox for Java	0 K	
☐ 5250 Display and Printer Emulator	0 K	✓
☐ Secure Sockets Layer (SSL)	0 K	
☑ Printer Drivers	4314 K	
☐ Operations Console	0 K	

Drive: I: Space Required: 23481 K Space Available: 3546712 K

Notes: Tailored Install

After your initial installation and configuration, you can create tailored installation images containing only the components you specify. You can then easily distribute these installation images across your network with little user interaction using the silent installation/migration option. Additionally, you can restrict users' access to functions by selecting which components to include in an installation. Several common methods are:
Creating a tailored installation image - you can create a custom installation image by excluding the unwanted components from a master installation image. You can then use the customized installation image for installations across your network.
Installing or migrating silently - create a response file that contains a record of your responses to prompts during an installation. You can then use this response file to control duplicate installations that do not require any user interaction.

Creating a tailored installation image of iSeries Access for Windows
You may want to control which iSeries Access for Windows components your users can install. One way to do this is by excluding selected components from an installation image, and then distributing this tailored installation image to your users. The Tailored Installation Image wizard provides a simple interface for this function. You can start the tailored installation wizard from the iSeries Setup and Operations CD, or by navigating to the installation image directory, \QIBM\ProdData\CA400\Express\Install\Image, and entering cwbinimg.
Note: If your iSeries server has multiple iSeries Access for Windows secondary languages, you can use any of the installed secondary languages, or the primary language on the iSeries server, as the primary language for the new installation image. This is not available if you are running the wizard from the CD, because the CD will not contain any secondary languages.

Distributing the installation image
The wizard allows you to specify where you want to create the tailored installation image. This location must be an empty directory, (you cannot overwrite a previous installation image) and must not be the root directory. Also, only complete installation images contain the program that creates tailored installation images. The wizard is not copied onto the user's PCs.

Servicing the installation image
Any tailored installation images are not updated when Program Temporary Fixes (PTFs) are applied to or removed from the iSeries server. You must re-create the installation image to get service pack updates. You can re-create your installation image quickly and with little user interaction by creating a response file and using it to silently re-create your tailored installation image with the service pack. See Installing Client Access Express silently for more information.

For information on tailored install images see: http://publib.boulder.ibm.com/pubs/html/as400/infocenter.html
Administering -> Installation and Service Administration -> Creating a tailored installation image

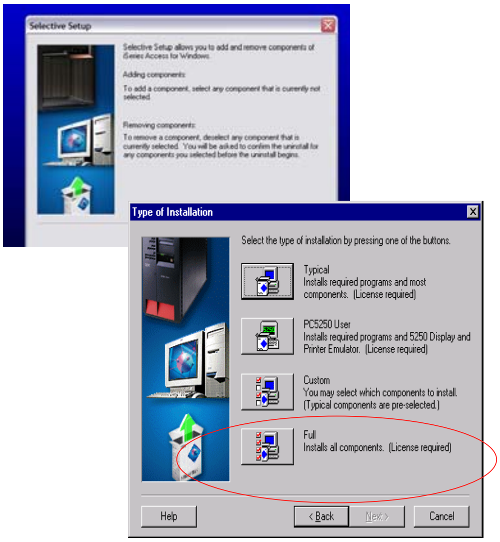
---

Use iSeries Access Install

Users now simply:

- Point to Folder where your Tailored Install is, and click on 'Setup.exe' to start the iSeries Access for Windows Install Program
- Then simply select 'Full' install
  - Users get only the functions you created in the Tailored Install

Note: If stored on iSeries, can use i5/OS authorities to restrict users or groups from install images that they should not be installing/upgrading from



Selective Setup allows you to add and remove components of iSeries Access for Windows.

Adding components:
To add a component, select any component that is currently not selected.

Removing components:
To remove a component, deselect any component that is currently selected. You will be asked to confirm the uninstall for any components you selected before the uninstall begins.

Select the type of installation by pressing one of the buttons.

Typical
Installs required programs and most components. (License required)

PC5250 User
Installs required programs and 5250 Display and Printer Emulator. (License required)

Custom
You may select which components to install. (Typical components are pre-selected.)

Full
Installs all components. (License required)

Servicing the Tailored Install Image

Problem

- When you create the Tailored Install, the Program Temporary Fixes (PTFs) in the QIBM directory are also applied to the newly created tailored image.
- However, this tailored installation image is not updated when future PTFs are applied to or removed from the iSeries server
- Because they are in a file unknown to OS/400

Solution

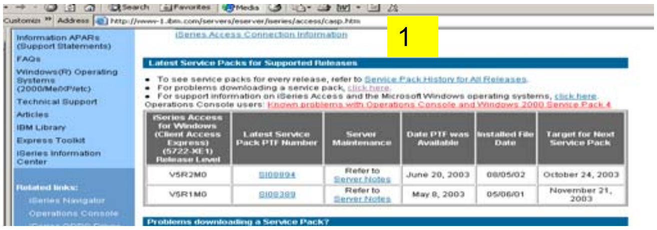
1. You can recreate the Tailored Install image by pointing back at QIBM, re-running Tailored Install, and storing on top of your old image.
2. Go to iSeries Access web site and download PTFFORM. This can be used to your Tailored Image.
   - Only updates to functions in your tailored image will be updated. Thus users will not be able to run Selective Install and get additional Access for Windows functions from that directory.

For information on Tailored Install images see:

- http://publib.boulder.ibm.com/pubs/html/as400/infocenter.html
- Find 'iSeries Access'. Then follow path of 'Administration', then 'Installing or migrating multiple PCs', to 'Tailored Install'

PTFFORM

Use PTFFORM to add new Service Pack to Tailored Install image


Search
Favorites
Media
Customize
Address
1
Information APARs (Support Statements)
FAQs
Windows(R) Operating Systems (2000/Me/XP/etc)
Technical Support
Articles
IBM Library
Express Toolkit
iSeries Information Center
Related links:
iSeries Navigator
Operations Console

http://www-1.ibm.com/servers/eserver/iseries/access/casp.htm

iSeries Access Connection Information

Latest Service Packs for Supported Releases

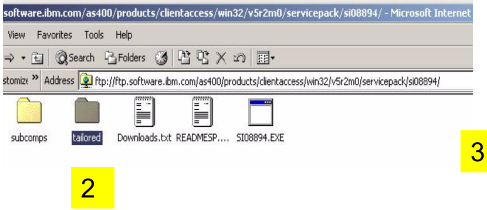
- To see service packs for every release, refer to Service Pack History for All Releases.
- For problems downloading a service pack, click here.
- For support information on iSeries Access and the Microsoft Windows operating systems, click here.

Operations Console users: Known problems with Operations Console and Windows 2000 Service Pack 4

iSeries Access for Windows (Client Access Express) (5722-XE1) Release Level	Latest Service Pack PTF Number	Server Maintenance	Date PTF was Available	Installed File Date	Target for Next Service Pack
V5R2M0	SI08894	Refer to Server Notes	June 20, 2003	08/05/02	October 24, 2003
V5R1M0	SI08389	Refer to Server Notes	May 8, 2003	05/06/01	November 21, 2003

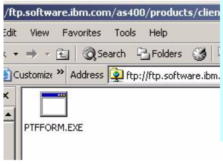
Problems downloading a Service Pack?

www.ibm.com/eserver/iseries/access


View
Favorites
Tools
Help
Search
Folders
Customize
Address
subcomps
tailored
Downloads.txt
READMESP....
SI08894.EXE
2

software.ibm.com/as400/products/clientaccess/win32/v5r2m0/servicepack/si08894/ - Microsoft Internet

ftp://ftp.software.ibm.com/as400/products/clientaccess/win32/v5r2m0/servicepack/si08894/


3
Edit
View
Favorites
Tools
Help
Search
Folders
Customize
Address
PTFFORM.EXE

/ftp.software.ibm.com/as400/products/clien

ftp://ftp.software.ibm.

PTFFORM only puts in fixes for code that is contained in image

Notes: Adding future Service Packs to Tailored Image

PTFFORM.EXE

PTFFORM is intended to update a copy of the original image or for a Tailored Image that you have created using cwbinimg.bat. When you download the Service Pack file from the web site and run it, it automatically expands into a temporary directory, asks you where the install image is that you'd like to update to the new service level, updates that image, then cleans up it's temporary directory. .

You should not use PTFFORM to the original image on your iSeries in QIBM\ProdData\Access\Windows\Install\Image. It is better to obtain the official Service Pack PTF from Service or use a CumPkg; then update the original image using the LODPTF and APYPTF commands. LODPTF/APYPTF update the DSPPTF information on your iSeries that is used for fix management and service. If you use PTFFORM instead, it would work. But DSPPTF 5722XE1 on your iSeries will have no knowledge of your update and a future CumPkg could backlevel you..

Getting Service Pack PTFs

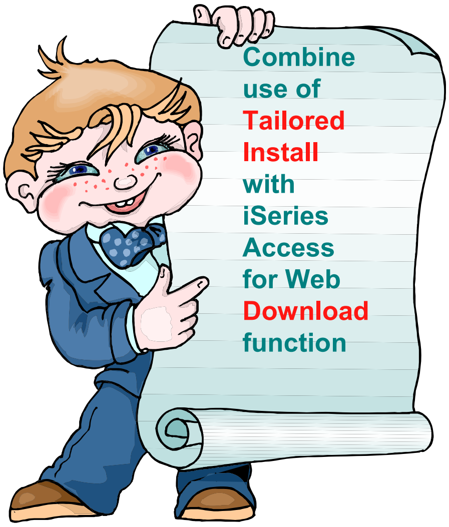
You can order a Service Pack CD from IBM. It will take a few days to receive this CD, and then you need to have someone in Operations put the CD in the iSeries optical drive.

A new feature in OS/400 V5R2 is that you can order a Service Pack CD electronically, and place it directly in the IFS in a Virtual Optical Device. You can then install from this Virtual Optical Device just like you would from the real iSeries Optical Device. Basically what you are doing is:

- Downloading a CD image containing your PTF and making the IFS look like a CD drive to install from.

To do this you must prearrange with IBM Service. Service will place the CD image in a special FTP directory for 48 hours (at most). You can then FTP the file to your iSeries. For more information, go to:

- http://www-912.ibm.com/supporthome.nsf/document/27321011

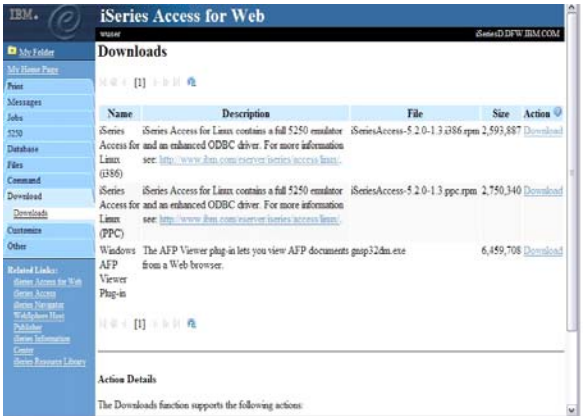


Combine use of Tailored Install with iSeries Access for Web Download function

Downloads – for file/program distribution

http://<myiseries>/webaccess/iWAPackages

- Mechanism to distribute files / programs to users
- Administrator can create downloads
- Management functions included for updating downloads and for controlling access to them



iSeries Access for Web

wuser

iSeriesD.DFW.IBM.COM

Downloads

Name	Description	File	Size	Action
iSeries Access for Linux (i386)	iSeries Access for Linux contains a full 5250 emulator and an enhanced ODBC driver. For more information see: http://www.ibm.com/eserver/iseries/access/linux/	iSeriesAccess-5.2.0-1.3.i386.rpm	2,593,887	Download
iSeries Access for Linux (PPC)	iSeries Access for Linux contains a full 5250 emulator and an enhanced ODBC driver. For more information see: http://www.ibm.com/eserver/iseries/access/linux/	iSeriesAccess-5.2.0-1.3.ppc.rpm	2,750,340	Download
Windows AFP Viewer Plug-in	The AFP Viewer plug-in lets you view AFP documents from a Web browser.	gnop32dm.exe	6,459,708	Download

Action Details

The Downloads function supports the following actions:

IBM.
My Folder
My Home Page
Print
Messages
Jobs
5250
Database
Files
Command
Download
Downloads
Customize
Other
Related Links:
iSeries Access for Web
iSeries Access
iSeries Navigator
WebSphere Host Publisher
iSeries Information Center
iSeries Resource Library
[1]

V5R3 shipped view

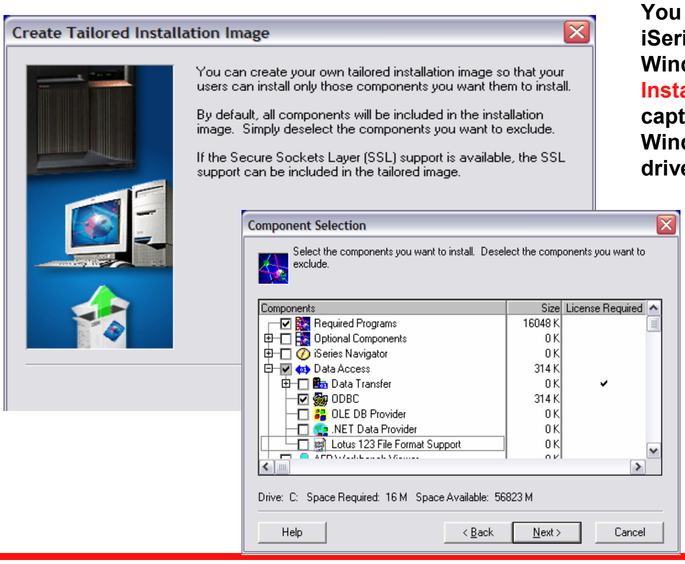
Users can download Access for Linux and AFP Viewer Plug-in products

---

Example of how you might use this function

- **Scenario**
  - **I have some users who need the ODBC driver from iSeries Access for Windows. What would be an easy way to make this available?**
- **Solution**
  - **Use iSeries Access for Windows to build an install image that contains only the ODBC drive**
  - **Use iSeries Access for Web to enable users to install it on their PCs**

Create Tailored Install Image of ODBC driver



Create Tailored Installation Image

You can create your own tailored installation image so that your users can install only those components you want them to install.

By default, all components will be included in the installation image. Simply deselect the components you want to exclude.

If the Secure Sockets Layer (SSL) support is available, the SSL support can be included in the tailored image.

Component Selection

Select the components you want to install. Deselect the components you want to exclude.

Components	Size	License Required
☑ Required Programs	16048 K	
⊞ ☐ Optional Components	0 K	
⊞ ☐ iSeries Navigator	0 K	
⊟ ☑ Data Access	314 K	
⊞ ☐ Data Transfer	0 K	✓
☑ ODBC	314 K	
☐ OLE DB Provider	0 K	
☐ .NET Data Provider	0 K	
☐ Lotus 123 File Format Support	0 K	

Drive: C: Space Required: 16 M Space Available: 56823 M

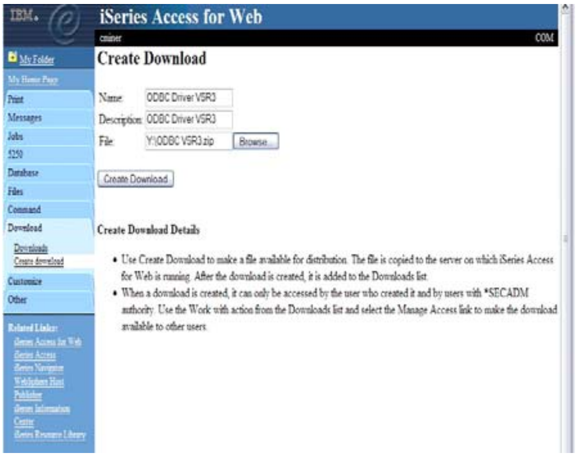
Help
< Back
Next >
Cancel

You just used iSeries Access for Windows Tailored Install wizard to capture only the Windows ODBC driver

---

Use the 'Create Download' feature

- **Use iSeries Access for Web Create Download to make a file available for distribution**
- **The file is copied to the server on which iSeries Access for Web is running**
- **After the download is created, it is added to the Downloads list.**



iSeries Access for Web
cminer
COM
My Folder
My Home Page
Print
Messages
Jobs
5250
Database
Files
Command
Download
Downloads
Create download
Customize
Other
Related Links:
iSeries Access for Web
iSeries Access
iSeries Navigator
WebSphere Host Publisher
iSeries Information Center
iSeries Resource Library

Create Download

Name: ODBC Driver V5R3

Description: ODBC Driver V5R3

File: Y:\ODBC V5R3.zip

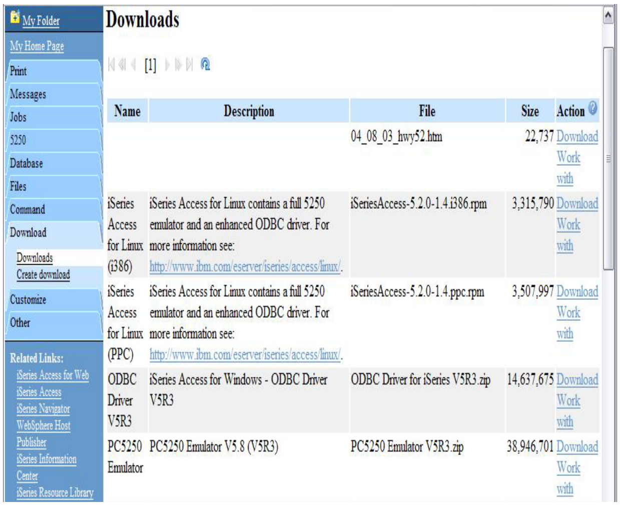
Browse...
Create Download

Create Download Details

- Use Create Download to make a file available for distribution. The file is copied to the server on which iSeries Access for Web is running. After the download is created, it is added to the Downloads list.
- When a download is created, it can only be accessed by the user who created it and by users with *SECADM authority. Use the Work with action from the Downloads list and select the Manage Access link to make the download available to other users.

ODBC now added to Download List

- When a download is created, it can only be accessed by the user who created it and by users with *SECADM authority
- Use the Work with action from the Downloads list and select the Manage Access link to make the download available to other users


My Folder
My Home Page
Print
Messages
Jobs
5250
Database
Files
Command
Download
Downloads
Create download
Customize
Other
Related Links:
iSeries Access for Web
iSeries Access
iSeries Navigator
WebSphere Host Publisher
iSeries Information Center
iSeries Resource Library
[1]

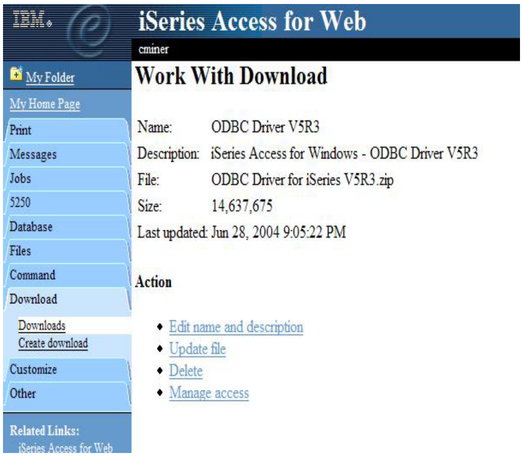
Downloads

Name	Description	File	Size	Action
		04_08_03_hwy52.htm	22,737	Download Work with
iSeries Access for Linux (i386)	iSeries Access for Linux contains a full 5250 emulator and an enhanced ODBC driver. For more information see: http://www.ibm.com/eserver/iseries/access/linux/.	iSeriesAccess-5.2.0-1.4.i386.rpm	3,315,790	Download Work with
iSeries Access for Linux (PPC)	iSeries Access for Linux contains a full 5250 emulator and an enhanced ODBC driver. For more information see: http://www.ibm.com/eserver/iseries/access/linux/.	iSeriesAccess-5.2.0-1.4.ppc.rpm	3,507,997	Download Work with
ODBC Driver V5R3	iSeries Access for Windows - ODBC Driver V5R3	ODBC Driver for iSeries V5R3.zip	14,637,675	Download Work with
PC5250 Emulator	PC5250 Emulator V5.8 (V5R3)	PC5250 Emulator V5R3.zip	38,946,701	Download Work with

---

Work With Download options

- Edit Name and Description
- Update File
  - The new file will replace the current file that is available for downloading.
  - The current file will no longer be available to download.
- Delete
- Manage Access
  - This action enables you to either give or deny access to users.


IBM.
iSeries Access for Web
cminer
My Folder
My Home Page
Print
Messages
Jobs
5250
Database
Files
Command
Download
Downloads
Create download
Customize
Other
Related Links:
iSeries Access for Web

Work With Download

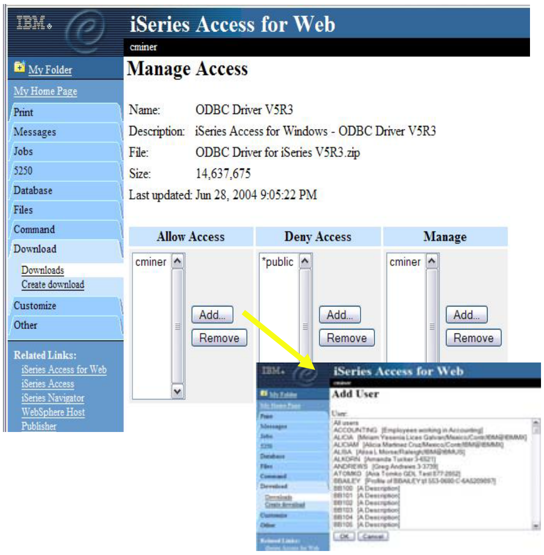
Name: ODBC Driver V5R3
Description: iSeries Access for Windows - ODBC Driver V5R3
File: ODBC Driver for iSeries V5R3.zip
Size: 14,637,675
Last updated: Jun 28, 2004 9:05:22 PM

Action

- Edit name and description
- Update file
- Delete
- Manage access

Manage Access to New Download File

- Set up who can access new download file
  - Deny Access defaults to only the creator of the download can access and manage this download
  - Now select the users you wish to access it
    - Can be All Users (*PUBLIC), groups of users, specific users
  - Set who else can manage this download


iSeries Access for Web
cminer
My Folder
My Home Page
Print
Messages
Jobs
5250
Database
Files
Command
Download
Downloads
Create download
Customize
Other
Related Links:
iSeries Access for Web
iSeries Access
iSeries Navigator
WebSphere Host Publisher
Add...
Remove
Add User
OK
Cancel

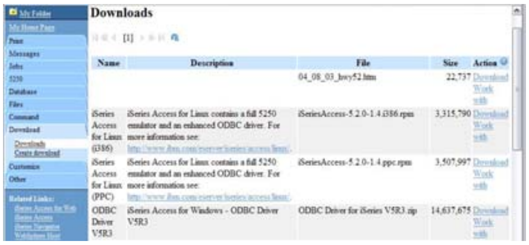
Manage Access

Name: ODBC Driver V5R3
Description: iSeries Access for Windows - ODBC Driver V5R3
File: ODBC Driver for iSeries V5R3.zip
Size: 14,637,675
Last updated: Jun 28, 2004 9:05:22 PM

Allow Access	Deny Access	Manage
cminer	*public	cminer

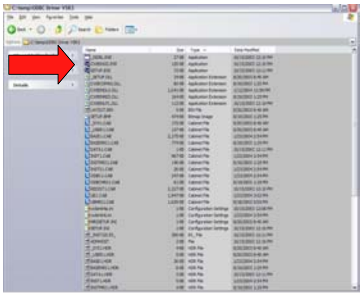
Download and Install ODBC on Desktop

- If you had originally zipped up the Tailored Install directory using some product like Install Shield's Package For the Web, then it would initiate the install for the end user.
- Here I had used PKZIP for Windows, so I have to go into the directory and start the install by pressing on SETUP.EXE


My Folder
My Home Page
Print
Messages
Jobs
5250
Database
Files
Command
Download
Downloads
Create download
Customize
Other
Related Links:
[1]

Downloads

Name	Description	File	Size	Action
		04_08_03_hwy52.htm	22,737	Download Work with
iSeries Access for Linux (i386)	iSeries Access for Linux contains a full 5250 emulator and an enhanced ODBC driver. For more information see:	iSeriesAccess-5.2.0-1.4.i386.rpm	3,315,790	Download Work with
iSeries Access for Linux (PPC)	iSeries Access for Linux contains a full 5250 emulator and an enhanced ODBC driver. For more information see:	iSeriesAccess-5.2.0-1.4.ppc.rpm	3,507,997	Download Work with
ODBC Driver V5R3	iSeries Access for Windows - ODBC Driver V5R3	ODBC Driver for iSeries V5R3.zip	14,637,675	Download Work with



Silent
Install

Silent Install

Can be used for:

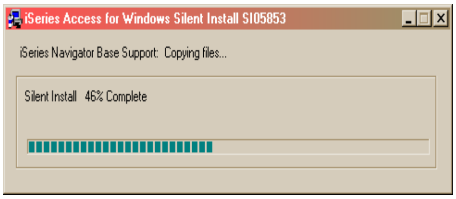
- Initial Install
- Upgrades to a new release
- Service Packs

- A way to restrict the set of initial components that an end user receives
- Allows you to quickly and easily copy duplicate installations across your network
- Eliminates the need for end users to have to respond to any prompts during the installation process
- Can be used for upgrades, selective setup, and service packs. Upgrades and service packs should launch setup.exe from the install source.
  - Selective Setup should launch setup.exe from the PC's ...\Client Access directory

Silent Install

Silent Install indicator

- **Appears in task tray on end-user's PC during silent install**
- **Silent install failure leaves indicator active**
- **Double-clicking indicator shows failure point**


iSeries Access for Windows Silent Install SI05853

iSeries Navigator Base Support: Copying files...

Silent Install 46% Complete

Really silent!

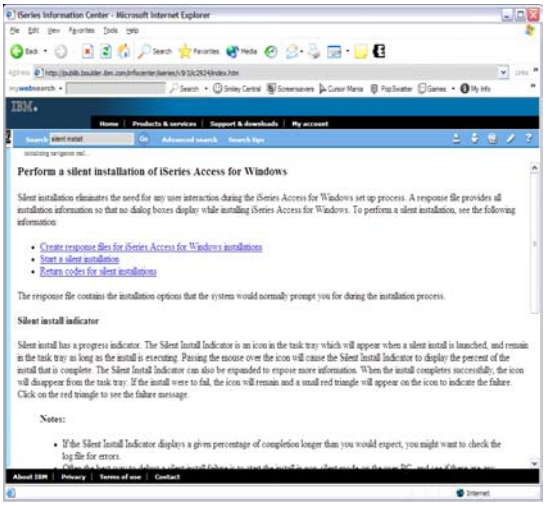
Silent Install Documentation

Detailed information on Silent Install is on the web in the IBM iSeries Information Center

Get there by going to iSeries Access web page at:
www.ibm.com/eserver/iseries/access/windows,
then select *iSeries Information Center* from sidebar

Or go to:
http://publib.boulder.ibm.com/pubs/html/as400/infocenter.html

Search on Silent Install



Perform a silent installation of iSeries Access for Windows

Silent installation eliminates the need for any user interaction during the iSeries Access for Windows set up process. A response file provides all installation information so that no dialog boxes display while installing iSeries Access for Windows. To perform a silent installation, see the following information:

- Create response files for iSeries Access for Windows installations
- Start a silent installation
- Return codes for silent installations

The response file contains the installation options that the system would normally prompt you for during the installation process.

Silent install indicator

Silent install has a progress indicator. The Silent Install Indicator is an icon in the task tray which will appear when a silent install is launched, and remain in the task tray as long as the install is executing. Passing the mouse over the icon will cause the Silent Install Indicator to display the percent of the install that is complete. The Silent Install Indicator can also be expanded to expose more information. When the install completes successfully, the icon will disappear from the task tray. If the install were to fail, the icon will remain and a small red triangle will appear on the icon to indicate the failure. Click on the red triangle to see the failure message.

Notes:

- If the Silent Install Indicator displays a given percentage of completion longer than you would expect, you might want to check the log file for errors.

Using Silent Install

Create a response file

- **A response file records the selections made in response to the prompts in the installation process.**
- **You perform the desired type of install on your PC, recording installation choices into install scripts (.iss files)**
  - For example, setup.exe -r -f1C:\MyDir\v5r2v5r3upg.iss

Start the silent installation

- **During a silent installation, the setup program will use the response file to get the information necessary to complete the installation**
- **Schedule or run setup.exe on the end-user PC's with the proper parameters specifying the response file location (or use CheckService Level)**
  - For example, setup.exe -s -f1\\iSeries\Express\Response\v5r2v5r3upg.iss -f2C:\Temp\v5r2v5r3upg.log

Check the log file return codes to see if your install was successful

- **The Log file tracks installation results. You can specify location/name of the Log file**
- **Silent.txt file in the ...\Client Access directory lists the components installed silently and successfully**

Notes: Using Silent Install

Silent installation eliminates the need for any user interaction during the iSeries Access for Windows setup process. A response file provides all installation information so that no dialog boxes display while installing iSeries Access for Windows. To perform a silent installation:

1. Create your response file.
2. Start the silent installation.
3. Check the log file return codes to see if your installation was successful.

Note: Silent migrations use a different procedure for creating the response file; otherwise, they may use the previous procedure. The response file contains the installation options that the system would normally prompt you for during the installation process.

To playback a silent installation, type the following at a command prompt in the iSeries Access for Windows installation image directory:

'setup -s -f1d:\dir\file.iss -f2d:\dir\file.log' where:

-f1 is an optional parameter where you can specify the response file (file.iss) to use. If you do not use this parameter, then the installation attempts to use a default response file named setup.iss. It looks for this file in the directory containing setup.exe. d:\dir is the drive and directory that contains the response file that you want to use. If you use the -f1 parameter, then you must specify the drive and directory along with the response file name.

-f2 is an optional parameter where you can specify the location and name for the log file that the silent installation creates. If you do not use this parameter, the installation creates a log file named setup.log and places it in the directory containing setup.exe. d:\dir is the drive and directory that contains the log file. If you use the -f2 parameter, then you must specify the drive and directory along with the log file name. file.log is the name of the log file that you want to create.

'Create a response file

A response file records the selections made in response to the prompts in the installation process.

During a silent installation, the setup program will use the response file to get the information necessary to complete the installation

Start the Silent Install

Silent install uses a response file (file.iss) for the responses to prompts during the installation process.

This eliminates the need for any user interaction during the installation process, and allows you to quickly and easily copy duplicate installations across your network.

Check the log file return codes to see if your installation was successful

Information about the status of the silent installation can be recorded in a log file (file.log).

A table is provided in the Online Administrators Guide that illustrates the differences between a normal and silent installation by comparing how the two types of installations handle various conditions that commonly arise during the installation process.

For detailed information on Silent Installs see:
http://publib.boulder.ibm.com/pubs/html/as400/infocenter.html

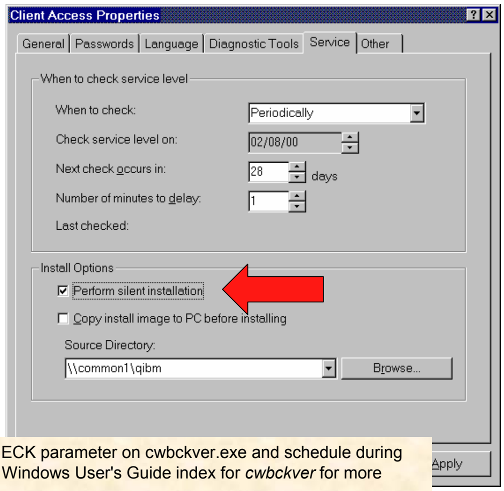
Administering -> Installation and Service Administration -> Silent installation

Check Service Level for Silent Installs

Use this for Service Packs and Upgrades

Eliminates the need for confusing command line parameters, but does require specific names for the response files

- SLTSP.ISS - for service packs (This file must reside in the same directory as the service pack image)
- SLTUP.ISS - for upgrades (This file must reside in the same directory as the upgrade image)



When to check service level

When to check: Periodically

Check service level on: 02/08/00

Next check occurs in: 28 days

Number of minutes to delay: 1

Last checked:

Install Options

☑ Perform silent installation

☐ Copy install image to PC before installing

Source Directory: \\common1\qibm

- If rebooting automatically, consider using SCHEDCHECK parameter on cwbckver.exe and schedule during the middle of night. Look in online iSeries Access for Windows User's Guide index for *cwbckver* for more information on the SCHEDCHECK parameter
- If not rebooting automatically, Check Service Level will come out of silent mode and prompt user for reboot

---

Errors using Silent Install

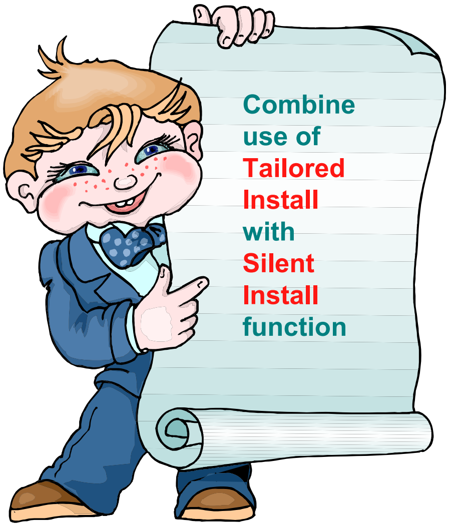
Most silent install errors involve a dialog out of order from what was recorded (-12 return code in silent log)

- **The best way to debug this is to start a manual install on the failing PC and proceed through the install wizard panels until the confirm panel prior to file transfers**
- **The majority of the dialog errors occur prior to the confirmation panel**
- **See if any unexpected dialogs appear that were not anticipated during recording**

Silent Install Upgrade and Service Pack Install Tip

- Use Incoming Remote Command component of iSeries Access for Windows with Silent Install Upgrades or Silent Service Pack Installs
  - Start service on NT/2000/XP/2003 client
  - Specify to log on as Local System Account to satisfy Administrator authority restriction needed for install
  - No need to "Allow Service To Interact With Desktop" for a Silent Upgrade or Service Pack Install
  - RUNRMTCMD on iSeries specifying setup.exe/setupsp.bat and userid/password of Administrator account on PC
    -
      ```
      RUNRMTCMD
      CMD('w:\proddata\Access\Windows\install\image\setupsp.bat -s -
      f1\\myserver\silentshare\sltsp.iss') RMTLOCNAME(PCNAME *IP)
      RMTUSER(PCUSER) RMTPWD(PCPASSWD)
      ```
  - REXEC from a TCP/IP client can also be used to submit setup.exe

---



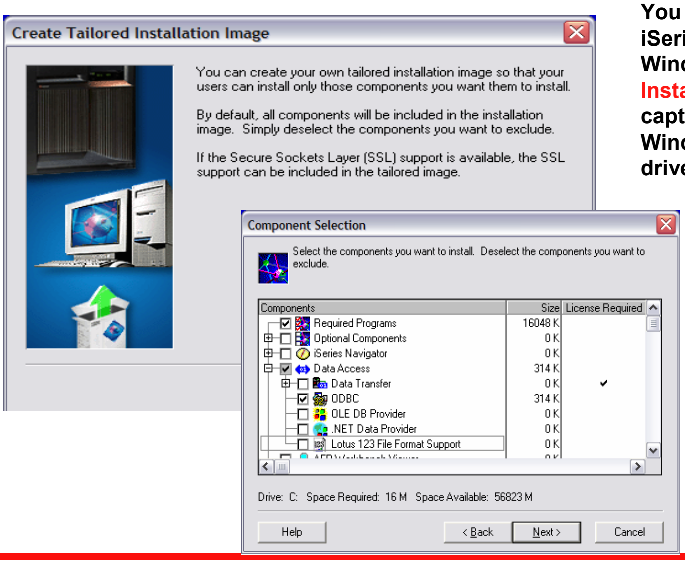
Combine use of Tailored Install with Silent Install function

Combine use of Tailored and Silent Install

- You wish your users to:
  - Have only selected parts of iSeries Access for Windows installed on their PC
  - And you don't want them to find additional Access for Windows functions in the Selective Install windows
  - Get it installed on their PCs without user intervention
  - Want updates (service packs) and new releases to automatically get installed on those end user PCs
- Use a combination of Tailored Install and Silent Install and a few PC commands (wizards) to do this
- From then on Access for Windows will keep desktop users up to date.
- Use new PTFFORM to update Tailored Install directory with fixes

Steps to perform...

Create Tailored Install Image of ODBC driver



Create Tailored Installation Image

You can create your own tailored installation image so that your users can install only those components you want them to install.

By default, all components will be included in the installation image. Simply deselect the components you want to exclude.

If the Secure Sockets Layer (SSL) support is available, the SSL support can be included in the tailored image.

Component Selection

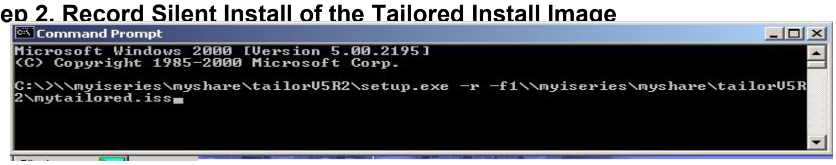
Select the components you want to install. Deselect the components you want to exclude.

Components	Size	License Required
☑ Required Programs	16048 K	
☐ Optional Components	0 K	
☐ iSeries Navigator	0 K	
☑ Data Access	314 K	
☐ Data Transfer	0 K	✓
☑ ODBC	314 K	
☐ OLE DB Provider	0 K	
☐ .NET Data Provider	0 K	
☐ Lotus 123 File Format Support	0 K	

Drive: C: Space Required: 16 M Space Available: 56823 M

You just used iSeries Access for Windows Tailored Install wizard to capture only the Windows ODBC driver

Step 2. Record Silent Install of the Tailored Install Image



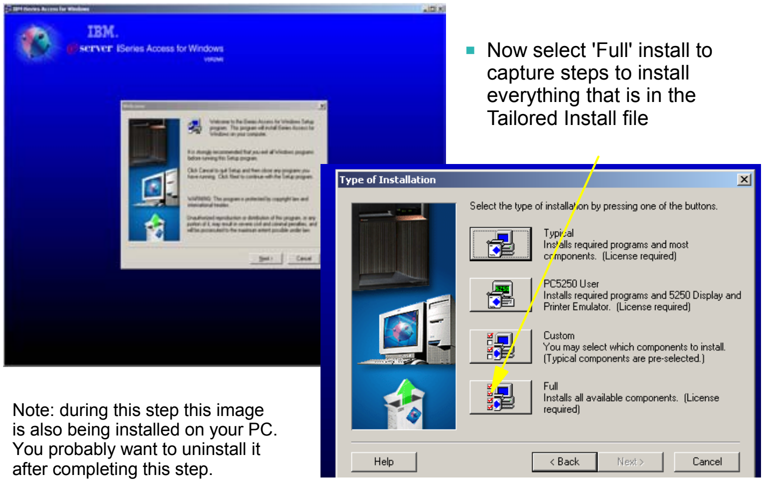
```
Microsoft Windows 2000 [Version 5.00.2195]
(C) Copyright 1985-2000 Microsoft Corp.

C:\>\\myiseries\myshare\tailorV5R2\setup.exe -r -f1\\myiseries\myshare\tailorV5R
2\mytailored.iss
```

Set up to record a Silent Install Response File

Using 'universal naming convention' (UNC) rather than mapping a drive - so it can be found without a mapped drive

- **Do not have any version of Client Access or iSeries Access (5763-XD1, 5722-XE1) on your PC**
- **Point to QIBM directory on your iSeries**
- **Point to location you want to store your response file (not in QIBM directory)**
- **Bring up a command prompt**
- **Key in Silent Install command**
  - **'setup -r -f1d:\dir\file.iss' to identify where responses are to be stored**
- **This starts the iSeries Access Install program**

Recording the install of Tailored Install folder



Select the type of installation by pressing one of the buttons.

Typical
Installs required programs and most components. (License required)

PC5250 User
Installs required programs and 5250 Display and Printer Emulator. (License required)

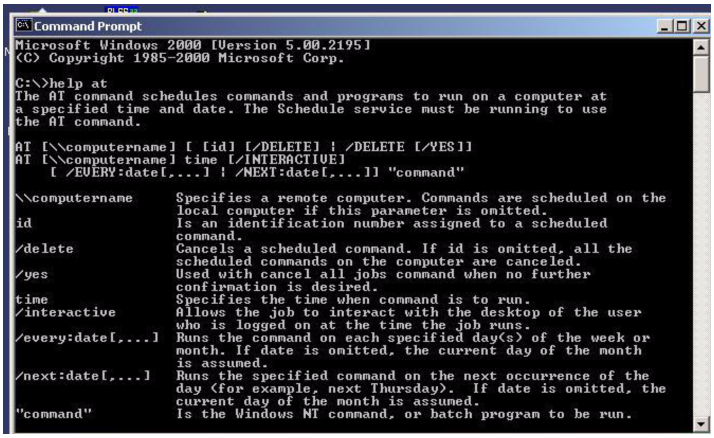
Custom
You may select which components to install. (Typical components are pre-selected.)

Full
Installs all available components. (License required)

- Now select 'Full' install to capture steps to install everything that is in the Tailored Install file

Note: during this step this image is also being installed on your PC. You probably want to uninstall it after completing this step.

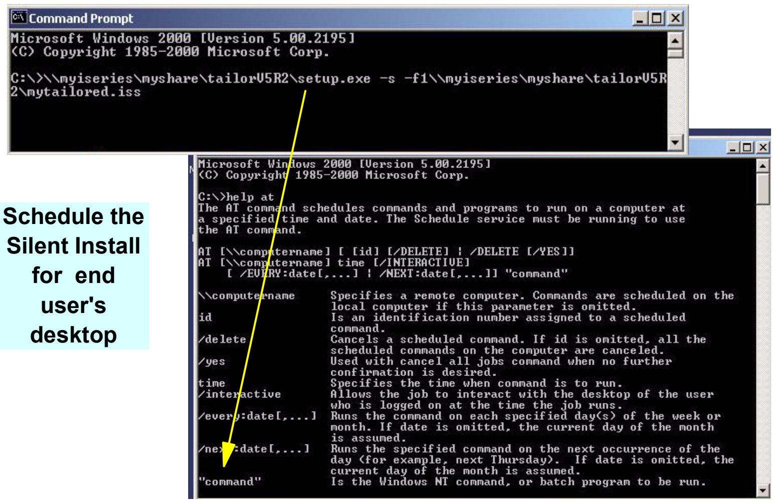
Step 3. Schedule Silent Install for PC Desktop



```
Microsoft Windows 2000 [Version 5.00.2195]
(C) Copyright 1985-2000 Microsoft Corp.

C:\>help at
The AT command schedules commands and programs to run on a computer at
a specified time and date. The Schedule service must be running to use
the AT command.

AT [\\computername] [ [id] [/DELETE] | /DELETE [/YES]]
AT [\\computername] time [/INTERACTIVE]
    [ /EVERY:date[,...] | /NEXT:date[,...]] "command"

\\computername     Specifies a remote computer. Commands are scheduled on the
                   local computer if this parameter is omitted.
id                 Is an identification number assigned to a scheduled
                   command.
/delete            Cancels a scheduled command. If id is omitted, all the
                   scheduled commands on the computer are canceled.
/yes               Used with cancel all jobs command when no further
                   confirmation is desired.
time               Specifies the time when command is to run.
/interactive       Allows the job to interact with the desktop of the user
                   who is logged on at the time the job runs.
/every:date[,...]  Runs the command on each specified day(s) of the week or
                   month. If date is omitted, the current day of the month
                   is assumed.
/next:date[,...]   Runs the specified command on the next occurrence of the
                   day (for example, next Thursday).  If date is omitted, the
                   current day of the month is assumed.
"command"          Is the Windows NT command, or batch program to be run.
```

- Bring up Command prompt
- Use 'AT' command... or some other scheduler program/wizard

Add the Silent Install response file to the AT “Command” step



```
Microsoft Windows 2000 [Version 5.00.2195]
(C) Copyright 1985-2000 Microsoft Corp.

C:\>\\myiseries\myshare\tailorV5R2\setup.exe -s -f1\\myiseries\myshare\tailorV5R
2\mytailored.iss
```

```
Microsoft Windows 2000 [Version 5.00.2195]
(C) Copyright 1985-2000 Microsoft Corp.

C:\>help at
The AT command schedules commands and programs to run on a computer at
a specified time and date. The Schedule service must be running to use
the AT command.

AT [\\computername] [ [id] [/DELETE] | /DELETE [/YES]]
AT [\\computername] time [/INTERACTIVE]
    [ /EVERY:date[,...] | /NEXT:date[,...]] "command"

\\computername     Specifies a remote computer. Commands are scheduled on the
                   local computer if this parameter is omitted.
id                 Is an identification number assigned to a scheduled
                   command.
/delete            Cancels a scheduled command. If id is omitted, all the
                   scheduled commands on the computer are canceled.
/yes               Used with cancel all jobs command when no further
                   confirmation is desired.
time               Specifies the time when command is to run.
/interactive       Allows the job to interact with the desktop of the user
                   who is logged on at the time the job runs.
/every:date[,...]  Runs the command on each specified day(s) of the week or
                   month. If date is omitted, the current day of the month
                   is assumed.
/next:date[,...]   Runs the specified command on the next occurrence of the
                   day (for example, next Thursday).  If date is omitted, the
                   current day of the month is assumed.
"command"          Is the Windows NT command, or batch program to be run.
```

Schedule the Silent Install for end user's desktop

Notes: Schedule a command remotely

The 'a't command is part of Windows 2000 and can be used to schedule a task from a command prompt on a remote PC:

At

- Lists scheduled commands or schedules commands and programs to run on a computer at a specified time and date.
- The Schedule service must be running to use the at command.
  - at [\\computername] [[id] [/delete] | /delete [/yes]]
  - at [\\computername] time [/interactive] [/every:date[,...] | /next:date[,...]] command
- Parameters
  - none
  - Used without parameters, at lists scheduled commands.

Accessing Scheduled Tasks remotely

- Network administrators can create task files for maintenance and add them to users' computers as needed; you can send and receive task files, as you would any other file, in e-mail messages; and you can share the Scheduled Tasks folder on your computer so that it can be accessed remotely by using My Network Places.

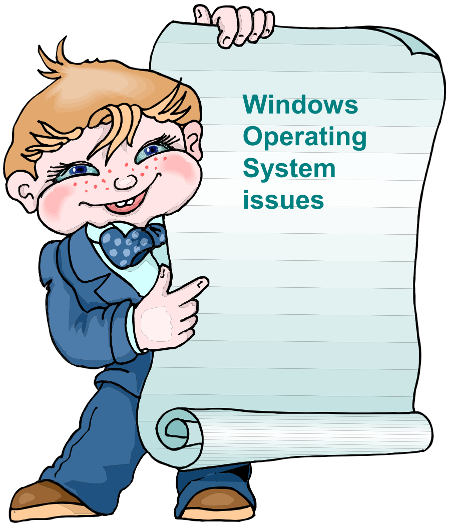
Note:

- **You create a** scheduled task on your local computer and then drag the .job file over to a remote computer account.

Parameters

- \\computername - Specifies a remote computer. If this parameter is omitted, the commands are scheduled on the local computer.
- id - Specifie the identification number assigned to a scheduled command.
- /delete - Cancels a scheduled command. If id is omitted, all the scheduled commands on the computer are canceled.
- /yes - Forces a yes answer to all queries from the system when deleting scheduled events.
- time - Specifies the time when the command is to run. Time is expressed as hours:minutes in 24-hour notation (00:00 [midnight] through 23:59).
- /interactive = Allows the job to interact with the desktop of the user who is logged on at the time the job runs.
- /every:date[,...] - Runs the command on every specified day or days of the week or month (for example, every Thursday, or the third day of every month). Specify date as one or more days of the week (M,T,W,Th,F,S,Su) or one or more days of the month (using numbers 1 through 31). Separate multiple date entries with commas. If date is omitted, the current day of the month is assumed.
- /next:date[,...] - Runs the specified command on the next occurrence of the day (for example, next Thursday). Specify date as one or more days of the week (M,T,W,Th,F,S,Su) or one or more days of the month (using numbers 1 through 31). Separate multiple date entries with commas. If date is omitted, the current day of the month is assumed.
- command - Specifies the Windows 2000 command, program (.exe or .com file), or batch program (.bat or .cmd file) to be run. When the command requires a path as an argument, use the absolute path, that is, the entire path beginning with the drive letter. If the command is on a remote computer, specify UNC notation for the server and share name, rather than a remote drive letter. If the command is not an executable (.exe) file, you must precede the command with cmd /c; for example: cmd /c dir > c:\test.out

---



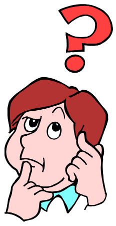
Windows Operating System issues

Windows NT
Windows 2000
Windows XP
Windows 2003

Can become a challenge
to administer in a network

There are 2 user account types:

- Computer administrator
- Limited



Capabilities		Computer Administrator	Limited
Install programs and hardware		Yes	No
Make system-wide changes		Yes	No
Access and read all non-private files		Yes	No
Create and delete user accounts		Yes	No
Change your own picture		Yes	Yes
Create, change or remove your own password		Yes	Yes

Install and Service Pack Tips

Difficult to install new products or Service Packs on PCs with Windows NT/2000/XP/2003 if user does not have Administrator Authority

If PC set up with User Level Authority, Windows locks out file replacements

To circumvent this problem:

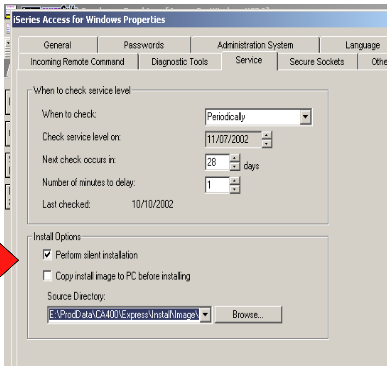
- ‘Check Service Level’ can be invoked via a scheduler running under administrator authority to install service packs or upgrades
- Steps:
  - Sign onto Windows NT/2000/XP/2003 as an administrator.
  - Configure NT/2000/XP/2003 schedule service
    - On Windows 2000, Control Panel->Scheduled Tasks
  - Set check service level properties
  - Schedule check service level

Install and Service Pack Tips (continued)

Difficult to install new products or Service Packs on PCs with Windows NT/2000/XP/2003 if user does not have Administrator Authority

To circumvent this problem:

- Administrator can set up Access for Windows for Silent updates...


iSeries Access for Windows Properties
General
Passwords
Administration System
Language
Incoming Remote Command
Diagnostic Tools
Service
Secure Sockets
Othe
Browse...

When to check service level

When to check: Periodically

Check service level on: 11/07/2002

Next check occurs in: 28 days

Number of minutes to delay: 1

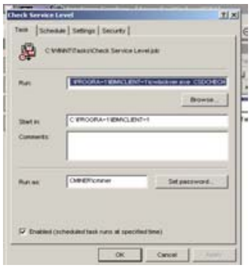
Last checked: 10/10/2002

Install Options

☑ Perform silent installation

☐ Copy install image to PC before installing

Source Directory: E:\ProdData\CA400\Express\Install\Image\


Check Service Level
Task
Schedule
Settings
Security
Run:
Browse...
Start in:
Comments:
Run as:
Set password...
Enabled (scheduled task runs at specified time)
OK
Cancel
Apply

Need Administrator's userid/password in here

Note: Userid/password must be same on Windows as on iSeries

Notes: Administrator tasks

Issue: If the end user is not considered the 'administrator, then the administrator must sign onto the PC in order to install updates, etc

Use Access for Windows Silent Install Updates

Alternatively, the Administrator could set in the iSeries Access for Windows Properties to 'Perform silent installation'. If the administrator is intending a silent install, then the following should be set:

- The 'Source Directory' must contain the location of new service packs and/or releases.
  - Browse the Check Service Level program (C:\Program Files\IBM\Client Access\cwbckver.exe -- or if iSeries Access for Windows installed to a different directory, browse to there), and assign a name to this task (for instance "iSeries Access Check
  - Service Level")
- Set 'Schedule Frequency' to how often you want the task to run

Enter the Administrator account information (user name and password) to run Check Service Level under that account

- Open Advanced Properties to add the SCHEDCHECK parameter to the 'Run' field (for example "C:\Program Files\IBM\Client Access\cwbckver.exe" SCHEDCHECK
- Press OK to save the schedule entry - can view it later via 'Scheduled Tasks' in Control Panel

Summary

Lots of administrative tools to assist you in managing your network PCs

- V5R3 changes
- iSeries Access for Windows Install/Upgrade
  - Check Service Level
  - Install and Service Pack Tips
- Service Packs
- Install Tools
  - Tailored Install
  - Silent Install
- iSeries Navigator Application Administration

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