



iSeries Access Family: What's New?

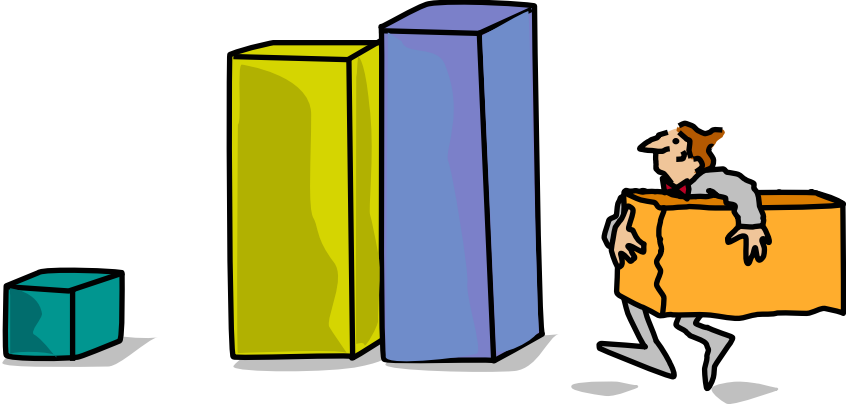
Linda Hirsch LLHIRSCH@us.ibm.com

<http://www.ibm.com/systems/i/software/access>

12/12/07 Evansville Presentations:

<ftp://ftp.software.ibm.com/as400/products/clientaccess/win32/presentations/evansville>

Packaging & Ordering



iSeries Access Family - Packaging

V5R4 5722-XW1 iSeries Access Family	V5R3 5722-XW1 iSeries Access Family
iSeries Access for Windows, 5722-XE1, V5R4	iSeries Access for Windows, 5722-XE1, V5R3
iSeries Access for Web, 5722-XH2, V5R4	iSeries Access for Web, 5722-XH2, V5R3
	HATS Limited Edition V5.0, 5724-F97-01 (withdrawn 1Q2006)
iSeries Access for Linux, 5722-XL1	iSeries Access for Linux, 5722-XL1, V1.10
iSeries Access for Wireless, 5722-XP1, V5R4	iSeries Access for Wireless, 5722-XP1, V5R3
	V5R3 customers not wanting to upgrade to i5/OS V5R4 but want the new V5R4 iSeries Access Family clients can order no-charge Feature No. 2648 of Product No. 5722-XW1

Products - Focus

Description	Product	Product Number	Need 5722-XW1 to use
Family Name	➤ iSeries Access Family	5722-XW1	
Windows client	➤ iSeries Access for Windows	5722-XE1	Yes (for 5250 and Data Transfer)
Linux client	➤ iSeries Access for Linux	5722-XL1	Yes (for 5250)
Browser Access	➤ iSeries Access for Web	5722-XH2	Yes
Handheld / Wireless offering	➤ iSeries Access for Wireless ➤ iSeries Toolbox for Java ME	5722-XP1	No
i5/OS systems management	➤ iSeries Navigator ➤ Operations Console ➤ EZ-Setup	Packaged in 5722-XE1	No

Flexible Purchase Options

Processor-Based = purchase price based on software tier, connect unlimited numbers of users

User-Based = purchase only number of users who will be concurrently connected

Note: Can upgrade from User-Based to Processor-Based, but cannot go back to User-Based after purchasing Processor-Based

Software maintenance included in base OS/400 software subscription

iSeries Access Family included with new System i Hardware

iSeries Access Family (5722-XW1) unlimited user feature included with the following System i hardware

- **System i Model 515 Express configurations**
 - See Announcement Letter 107-181 dated 4/1/07 for more details
- **System i Model 525 Express and CBU configurations**
 - See Announcement Letter 107-182 dated 4/1/07 for more details
- **System i Model 570 with POWER6 technology**
 - See Announcement Letter 107-448 dated 7/31/07 for more details

Any i5/OS user connecting to the above System i models is entitled to use any of the iSeries Access Family products at no additional charge. This includes:

- **iSeries Access for Windows**
- **iSeries Access for Web**
- **iSeries Access for Linux**



iSeries Access for Linux

www.ibm.com/systems/i/software/access/linux

12,000+ downloads to-date



What is iSeries Access for Linux?



iSeries Access for Linux includes the following features:

- **Full function 5250 emulator**
 - This function enables end users to work with i5/OS system screens and run host applications
- **ODBC driver**
 - This function enables your Linux PC applications to access information in DB2 UDB for iSeries
- **iSeries Access APIs**
 - RmtCmd, NLS, System Object...

Designed to run natively on Linux operating systems

Supported for use on the following:

- **Linux operating systems with Intel processors and on Power PCs**
 - **System i logical partition (LPAR)**

V5R4 iSeries Access for Linux

Supports additional 64-bit platforms (PowerPC-64 and x86-64).

Available in 32-bit packages:

- 5250 emulator to work with System i host applications and screens

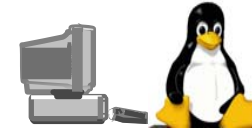
Available in both 32-bit and 64-bit packages:

- ODBC driver for accessing the DB2 Universal Database® (UDB) for iSeries
 - This driver is functionally equivalent to the 64-bit ODBC driver currently included in iSeries Access for Windows.
- Extended Dynamic Remote Support (EDRS) driver
 - For more information on ERDS, refer to the [XDA Web Site](#) and [iSeries Infocenter](#), "Extended Dynamic Remote SQL (EDRS) APIs" in the Programming -> APIs -> Database and File -> Database section.
- Includes support for:
 - Kerberos and Single Sign-On (SSO)
 - Bypass sign-on
 - An example SSL configuration

Full-function, Native 5250 emulator

The 5250 emulator contains a variety of functions, such as:

- Ability to provide a workstation/device ID
- Both 80 and 132 screen sizes
- Keyboard mapping (GUI)
- Macro support
- Record/playback
- Pop-up/pull-down keypads
- Screen print
- Asynchronously display server messages in the 5250 interface
- Option to Bypass OS/400 sign-on screen
- Kerberos and Single Sign-on (SSO)



```
MAIN OS/400 Main Menu System: iSeries
Select one of the following:
1. User tasks
2. Office tasks
3. General system tasks
4. Files, libraries, and folders
5. Programming
6. Communications
7. Define or change the system
8. Problem handling
9. Display a menu
10. Information Assistant options
11. Client Access/400 tasks
90. Sign off
Selection or command
==>
F3=Exit F4=Prompt F9=Retrieve F12=Cancel F13=Information Assistant
F23=Set initial menu
(C) COPYRIGHT IBM CORP. 1980, 2002.
```

Users Guide explains 5250 emulator functions

Refer to

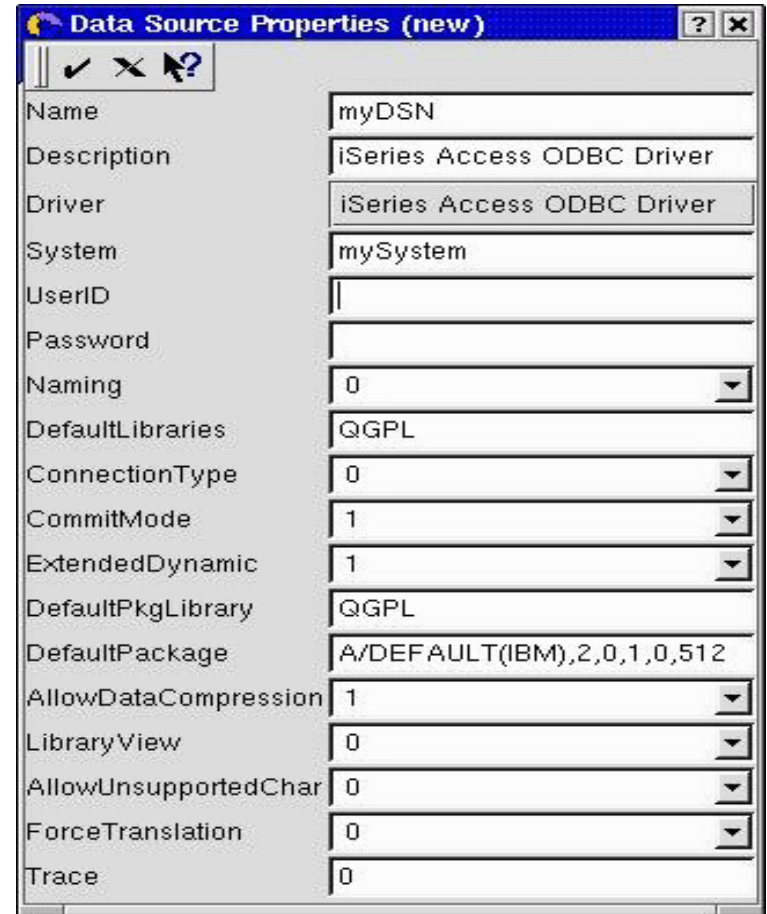
www.ibm.com/eserver/iseri es/access/linux/library.html for links to product doc

Native ODBC Driver

Extending the reach to iSeries data...

Can run ODBC applications, such as:

- **OpenOffice**
- **ODBC and PHP for Web Serving**
- **ODBC and Perl**
- **unixODBC DataManager**
 - “Explorer” type of application to manage DSNs
 - Run and view results of SQL requests
 - unixODBC 2.2.3 version ships DataManagerII with additional features
- **unixODBC isql**
 - Command line application
 - Neat way to generate simple HTML page with data tables
- **Your own applications...**



The high-function, best-performing iSeries ODBC driver (included in iSeries Access for Windows) was ported to run on Linux

iSeries Access for Linux (V1.0)

iSeries Access for Linux doesn't ship on iSeries Access LP media

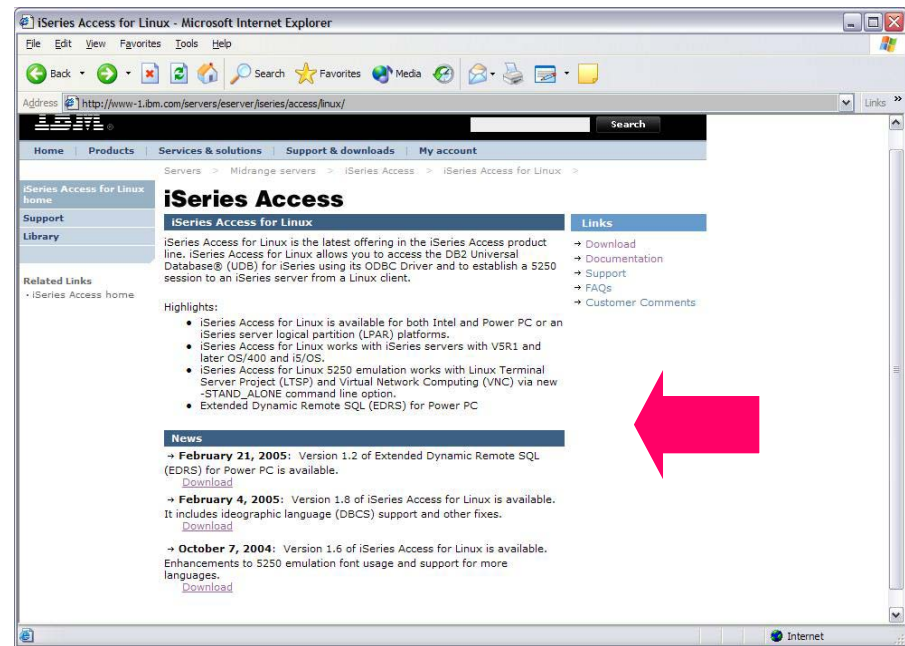
You can obtain iSeries Access for Linux in two ways:

Download from the web

- www.ibm.com/eserver/series/access/linux

Download via iSeries Access for Web.

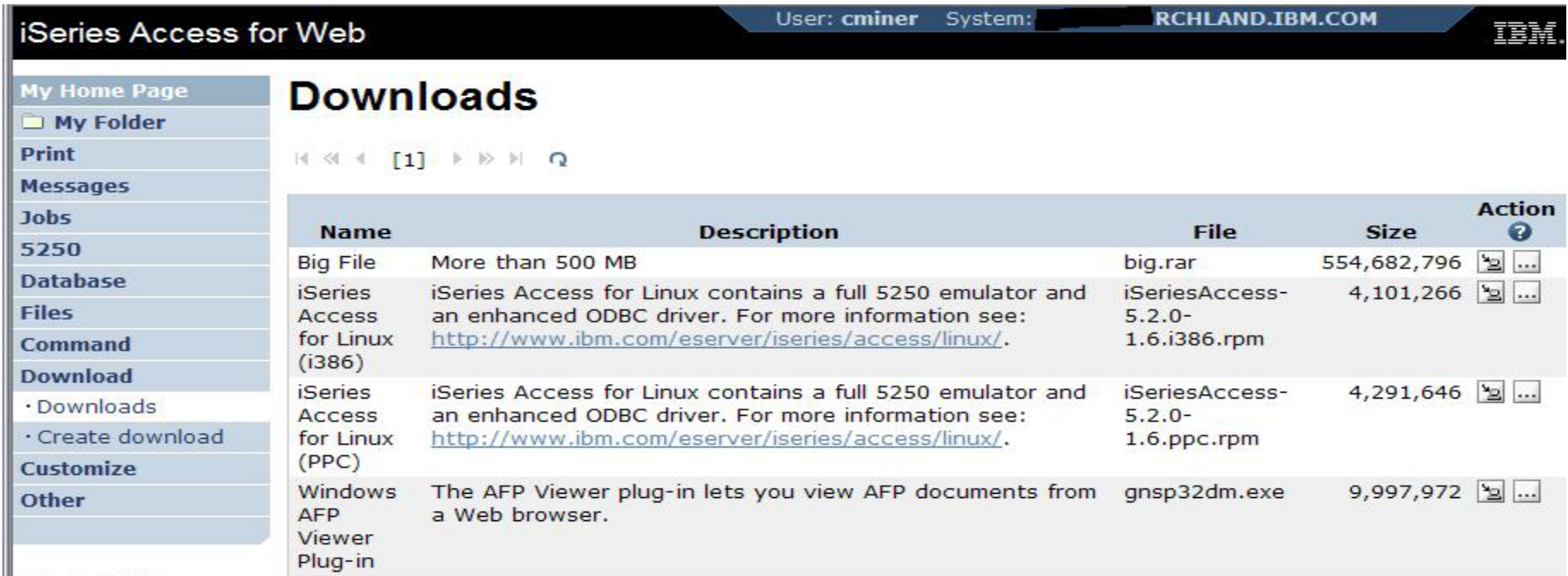
- Select the 'Download' tab, then select the appropriate Access for Linux download



iSeries Access for Linux (all versions) fully supported through IBM SupportLine

iSeries Access for Web 'Download' Capability

Let users download iSeries Access for Linux by using iSeries Access for Web's 'Download' feature



The screenshot shows the iSeries Access for Web interface. The top navigation bar includes the text "iSeries Access for Web", "User: cminer", "System: RCHLAND.IBM.COM", and the IBM logo. A left-hand navigation menu lists options such as "My Home Page", "My Folder", "Print", "Messages", "Jobs", "5250", "Database", "Files", "Command", "Download", "Customize", and "Other". The main content area is titled "Downloads" and features a table with the following data:

Name	Description	File	Size	Action
Big File	More than 500 MB	big.rar	554,682,796	[Download] [More]
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-5.2.0-1.6.i386.rpm	4,101,266	[Download] [More]
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-5.2.0-1.6.ppc.rpm	4,291,646	[Download] [More]
Windows AFP Viewer Plug-in	The AFP Viewer plug-in lets you view AFP documents from a Web browser.	gnsp32dm.exe	9,997,972	[Download] [More]

You can also go out to our demo web site at:



<http://iseriesd.dfw.ibm.com/webaccess/iWAPackages> (userid is WACUST, password is DEMO2PWD) and see iSeries Access for Web 'Download' capabilities

iSeries NetServer: Supports Linux Clients

iSeries NetServer was expanded to support **Linux** clients.

- Thus iSeries NetServer provides the same file and print sharing functions to Linux users as it does for Windows users.

- Linux clients (with kernel Version 2.4.3 or higher) with SAMBA (Version 2.0.7 or 2.2) can access the System i
- This function was added in OS/400 V5R2

- and a PTF in OS/400 V5R1

The iSeries administrator can easily control what files and printers a Linux user can access



For additional information, see:

<http://www.ibm.com/eserver/series/netserver>

Combine iSeries Access for Web for a complete Linux solution

Print

- Printer output
- PDF Printer output
- Printers
- PDF Printers
- Internet Printers
- Internet Printer Shares
- Printer shares
- Output Queues

5250

- Active Sessions
- Start 5250 Session
- Configured Sessions
- **Bypass Sign-on**

Files

- Browse Files
- **Browse File Shares**
- File Shares

Messages

- Display Messages
- Send Messages
- Sametime
- Operator Messages
- Message Queue

Database

- Tables
- My Request
- Run SQL
 - **Open Office Formats**
- Copy Data to Table
- Import Requests
 - iSeries Access for Windows
 - **Query Manager**
 - **Query/400**
- Extract Server Data

Commands

- Run commands
- My commands
- Search

My Personal Folder

Jobs

- User Jobs
- Server Jobs

Customize

- Preferences
- Policies
- Settings
- **Transfer configuration**

Download

Other

- Bookmarks
- Change Password
- Connection Pool
- Status
- Trace
- About

My Home Page
My Folder
Print
Messages
Jobs
5250
Database
Files
Command
Download
Customize
Other



Redbook: Linux on IBM i5 Implementation Guide (2nd edition)

This IBM Redbook is about Linux implementation on the new IBM i5. With brand new technologies of POWER5 and IBM Virtualization Engine, Linux on i5 is even more powerful, scalable, and flexible. We also have new versions of Linux distributions that are available for Linux on IBM iSeries. They are SUSE Linux Enterprise Server (SLES) 9 and Red Hat Enterprise Linux (RHEL) 4. This Redbook gets you ready to plan, configure, and install Linux on i5. It discusses migration issues of Linux from previous iSeries systems to i5. It also covers various topics of administrations, operations, and tips and techniques. Discussions on **iSeries Access for Linux**, iSeries Access for Web, ODBC driver and 5250 emulation features are also included.

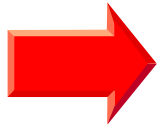
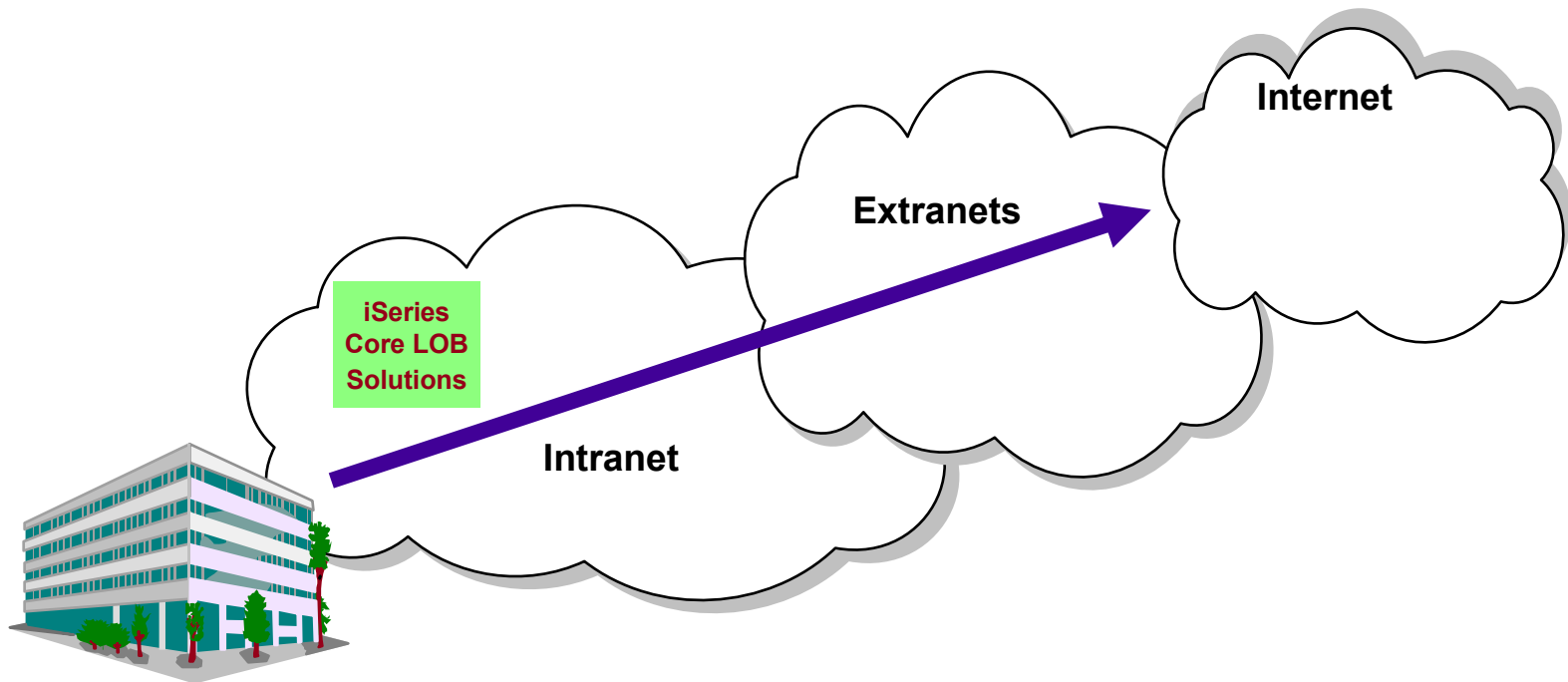
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- Chapter 1. Introduction to Linux on IBM Eserver i5
- Chapter 2. Linux partition planning guide
- Chapter 3. System configuration
- Chapter 4. Linux installation
- Chapter 5. Administration and operations
- Chapter 6. Linux migration from iSeries to i5
- **Chapter 7. iSeries Access for Linux**

To obtain this Redbook, visit

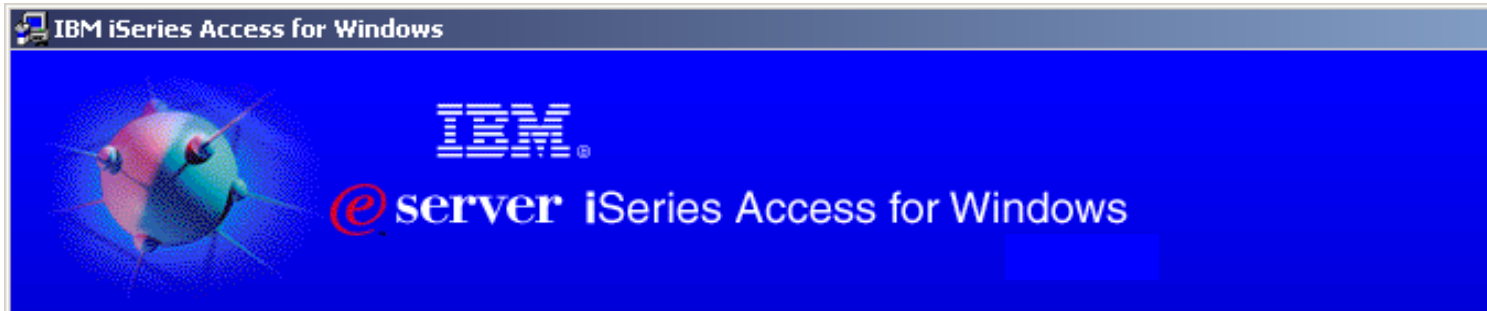
<http://publib-b.boulder.ibm.com/redpieces/abstracts/sg246388.html?Open>

Core LOB Solutions



Looking for highly functional and integrated solution for:

- Windows servers and Windows desktop users
- i5/OS administration and operation



**iSeries Access for
Windows
5722-XE1
V5R4**

iSeries Access for Windows

innovative...
integrated...
impressive...
...iSeries

iSeries Access for Windows... the strategic choice for interacting with and managing your iSeries servers.

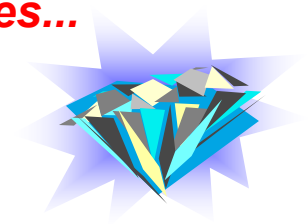
www.ibm.com/eserver/series/access

www.ibm.com/systems/i/software/access/windows

Integrating native Windows with System i

If you want a single solution for working with all System i resources...

- **A single offering designed for Windows users that provides:**
 - High-function, easy-to-use 5250 emulator to work with iSeries applications
 - A PC print server that OS/400 output can be sent to and run unattended
 - Access to iSeries database and other resources from Windows applications
 - Ability to use iSeries as file and print server
 - Administer users and monitor/manage iSeries servers in the network
- **No special web application server code required**
 - All code runs natively on the Windows
- **It's all in iSeries Access for Windows**
 - PC5250 emulation, Data Transfer, ODBC, etc for end users and Windows programmers
 - iSeries Navigator for iSeries operators and administrators
 - Operations Console to work with OS/400 system console
 - EZ-Setup to quickly and easily set up new iSeries servers



- **The most comprehensive iSeries native Windows connectivity solution in the market**
- **90+% of iSeries customers already using iSeries Access for Windows**

Supports Microsoft operating environments...

Microsoft Transaction Services (MTS)

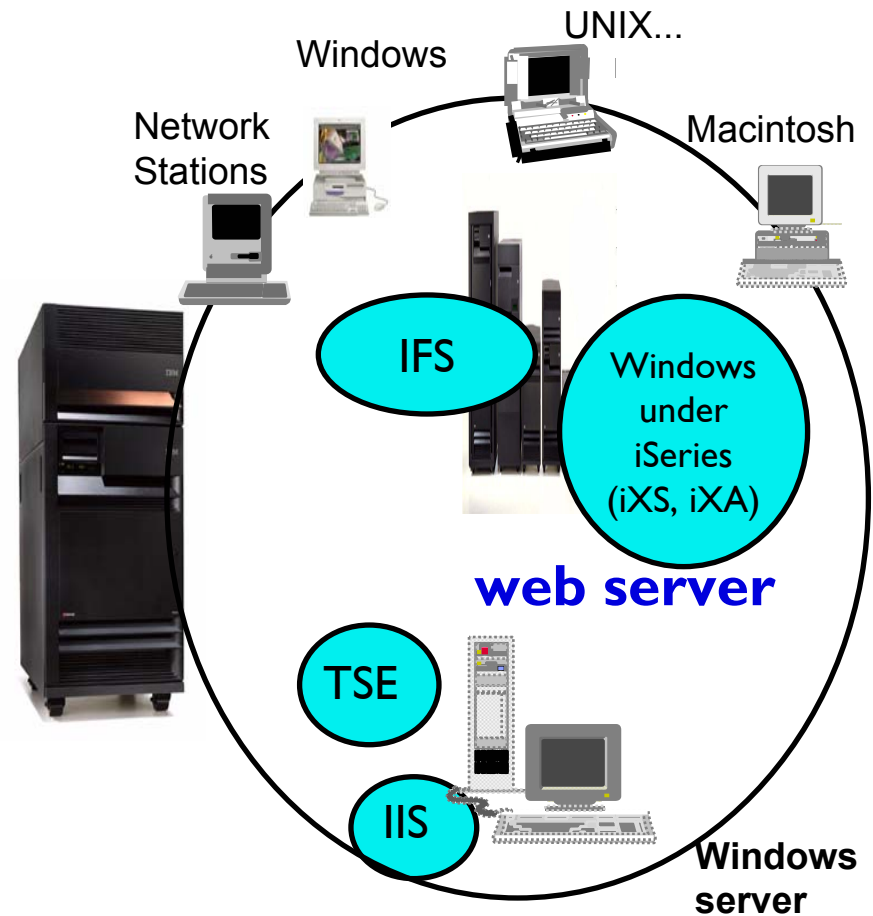
- example, an Auction House application where may need to back out transactions (ie, 2-phase commit)

Terminal Server Edition (TSE)

- iSeries Access runs on a Windows server, and enables multiple simultaneous users (such as Network Stations, DOS, Unix, or Macintosh) work with iSeries resources

Internet Information Services (IIS)

- Provides a Web application infrastructure for Windows Servers. iSeries Access runs on server, and fulfills requests for iSeries data (ie, ODBC, OLE DB, etc)



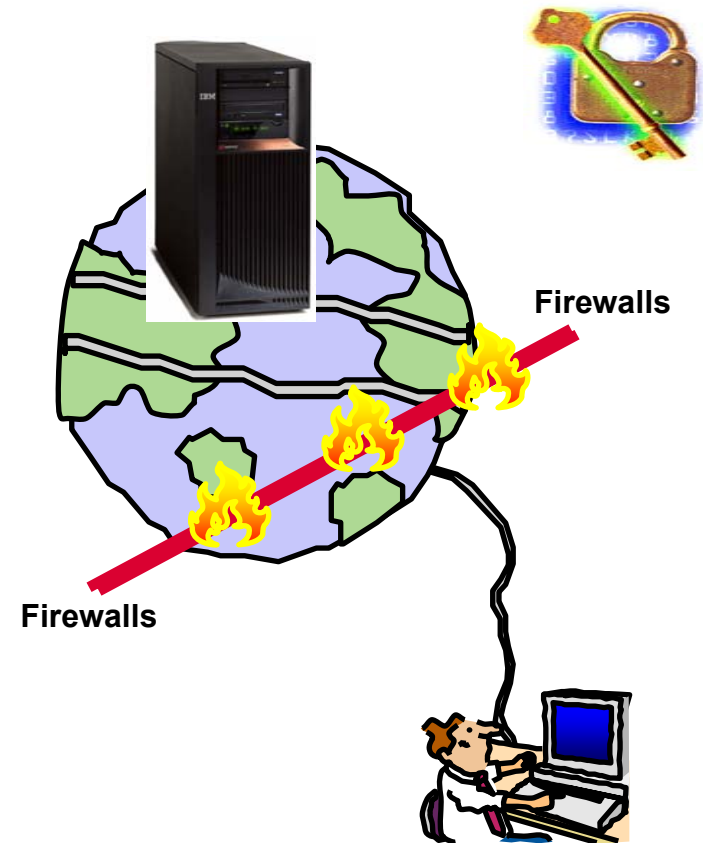
Supports leading network and security offerings...

Security

- **Secure Sockets Layer (SSL)**
 - Including SSL client authentication
- **Kerberos**
 - Enterprise Identify Mapping (EIM) can be used with Kerberos
- **Long passwords**

Networking

- **Virtual Private Networks (VPN)**
 - Tunneling protocol and encryption to ensure secure communications
- **NAT (Network Address Translation)**
 - Hides System i address when on Internet



**If you do it on System i,
you can do it with
iSeries Access for
Windows...**

Windows Operating Systems

The V5R4 version of iSeries Access for Windows can be installed on:

- Windows 2000
- Windows XP Professional
- **Windows XP Tablet PCs**
- Windows 2003 Server
- **Windows Vista – December 2006**

64-bit Processors supported*

- **Advanced Micro Devices (AMD64)**
- **Intel with EM64T**
- Intel with Itanium



V5R3 iSeries Access for Windows installs on:

- Windows **NT 4.0**, 2000, XP, 2003

V5R2 iSeries Access for Windows installs on:

- Windows **98, ME**, NT 4.0, 2000, XP, 2003

V5R1 iSeries Access for Windows installs on:

- Windows **95**, 98, and ME, NT 4.0, 2000, XP

Refer to www.ibm.com/systems/i/software/access/supportedos.html for the latest information

Windows Vista:

- **Ultimate and Premium Editions are supported.**
- **V5R4 iSeries Access for Windows with service pack [SI25949](#) or later**
 - **PC5250 requires service pack [SI27741](#), available July 2007**
- **Refer to <http://www.ibm.com/systems/i/software/access/supportedos.html>**
and
Informational APAR II14239 linked from that page

PC5250 updated (Personal Communications 5.8)

Key enhancements include:

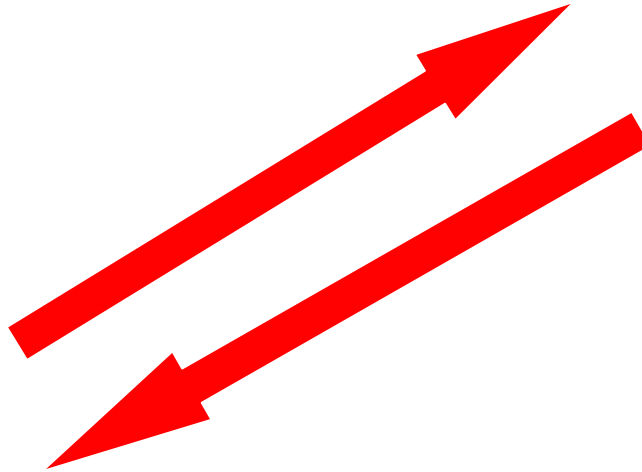
- Support to associate printer sessions with display sessions
- A new configurable, printer session window that provides host, printer, and page setup support.
- New programming interfaces (APIs) to retrieve and modify Page Setup and Printer Setup information
- Additional bi-directional enablement
- New automation objects support for the .NET environment



The 5250 emulator (PC5250), integrated with iSeries Access for Windows, is the Version 5.8 of IBM Personal Communications

Data Transfer

- Copy Data to i5/OS database
- Copy Data from i5/OS database



Batch Transfer Command Interface

iSeries Access for Windows

RTOPCB

- Does batch data transfers from iSeries to PC

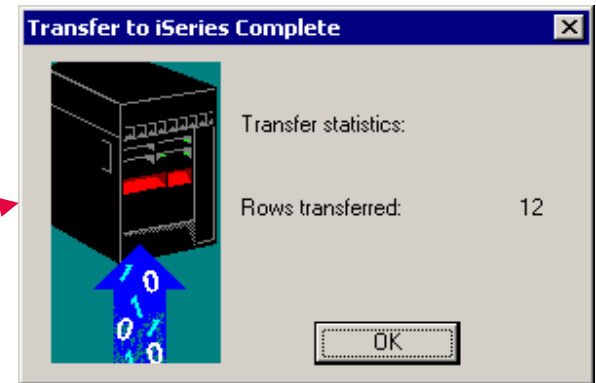
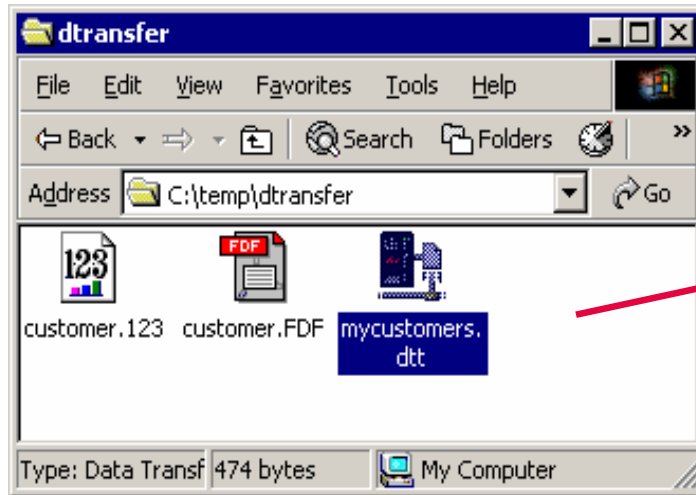
RFROMPCB

- Does batch data transfers from PC to iSeries

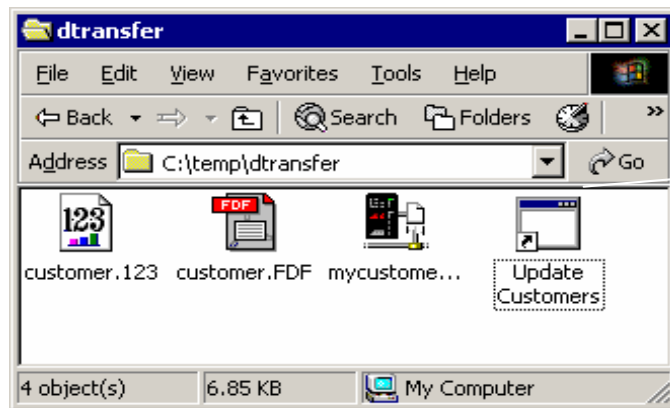
RXFERPCB

- Does batch data transfers from iSeries to PC
- Does batch data transfers from PC to iSeries

Run Data Transfer by Clicking an Icon



Double-click on an icon



Data can be
uploaded with no
prompt to user

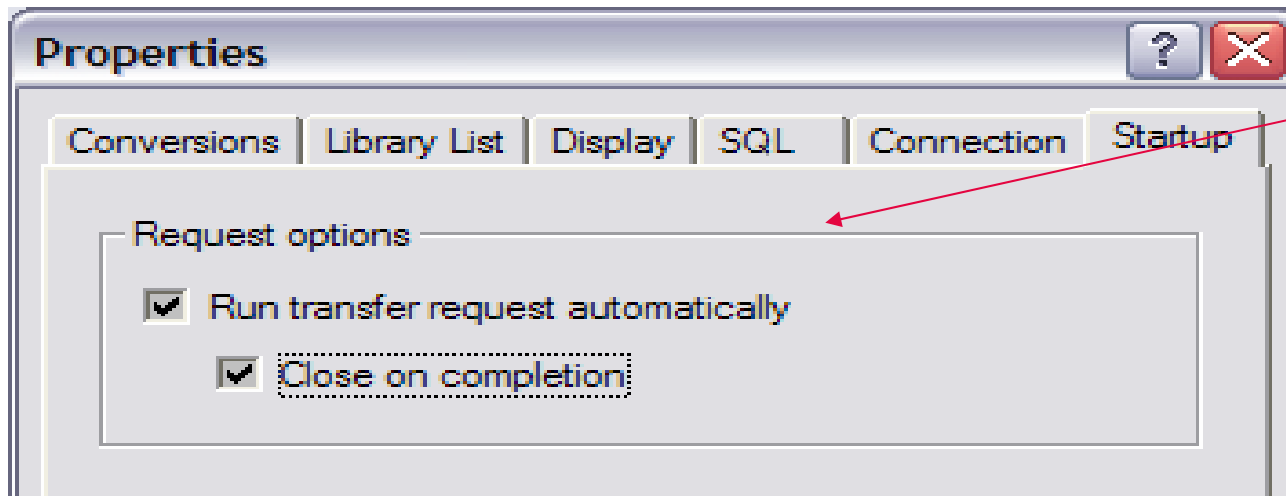
Auto-run/auto-close support

Use the Properties panel to set up Auto-Run and Auto-Close.
You get to it by getting into the Data Transfer program, then selecting
File -> Properties

The options:

Allow transfer requests to run automatically when opened

Allow transfer requests to close after the transfer has completed

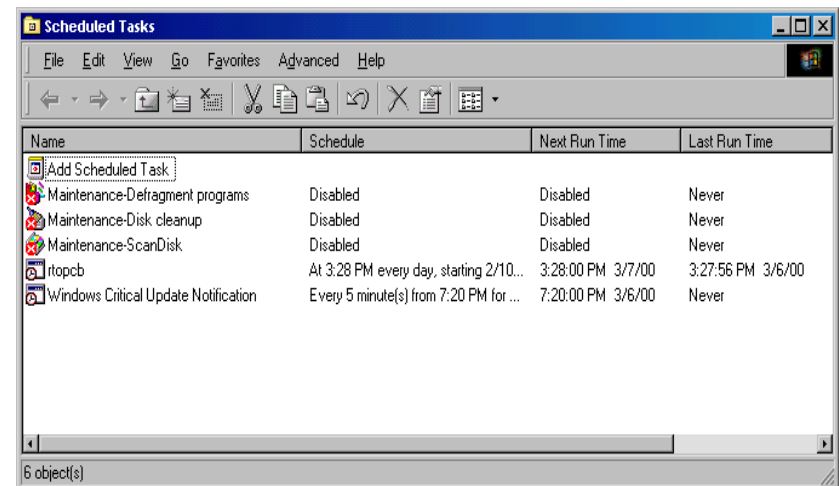
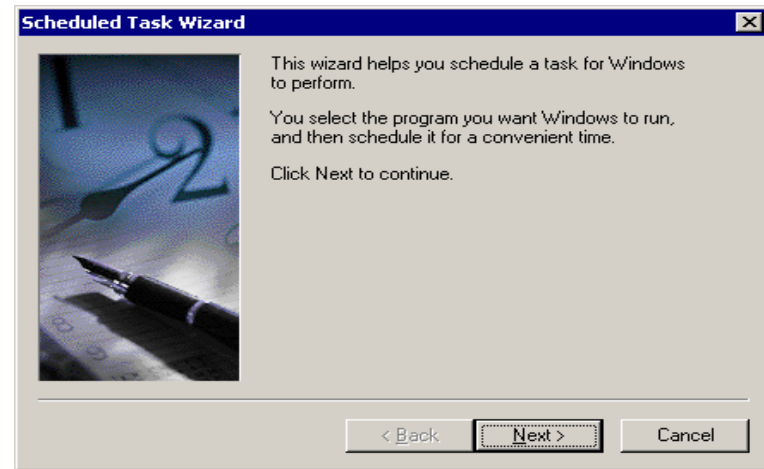


If you select both options, then it will run without user intervention

Scheduling a Data Transfer Request

- Use Access for Windows Batch Commands to create the appropriate Data Transfer request
- Using Microsoft Windows Scheduler, you could schedule iSeries Access for Windows Batch Transfers to run without user intervention

RTOPCB can now be scheduled to run at a given date and time



Data Transfer Enhancements – V5R4, V5R3, V5R2

V5R4 Enhancements	V5R3 Enhancements	V5R2 Enhancements
<ul style="list-style-type: none"> ▪ Support MS Excel XML Spreadsheet format ▪ Support 128-byte column names ▪ Support PC selection of an independent auxiliary storage pool (IASP) ▪ Support creating and overwriting empty query result sets ▪ Improved support for delimited names (requires V5R4 SP1) 	<ul style="list-style-type: none"> ▪ Unicode enablement / New Unicode text file type <ul style="list-style-type: none"> • Support UTF-8 and UTF-16 data in DB2 database tables ▪ Support larger decimal precision ▪ Support BINARY and VARBINARY SQL data types ▪ Support most recently used request list and last directory in Excel Add-in ▪ Date/Time fields recognized by Data Transfer and now stored on DB2 for iSeries as 'date or time' field. ▪ Option to convert numeric to character when transferring to iSeries DB ▪ Support data compression for faster transfers 	<ul style="list-style-type: none"> ▪ Support for uploading more than 256 columns of data to a database file ▪ Add-ins for Excel to upload data directly from spreadsheet ▪ Support Excel V7 (BIFF7) and V8 (BIFF8) file formats. (Excel 97 and 2000 use V8 file formats) ▪ Support Lotus 123 V9 file format (with 65,536 rows) ▪ Support numeric cells within formula (Excel, Lotus 123) ▪ Support new iSeries database functions

iSeries ODBC Driver



ODBC

Most popular database access method from a Windows application

Runs on 32-bit and 64-bit Windows O/S



Compliant with Microsoft ODBC Version 3 specification

- **PC applications can now take advantage of new functions included in the 3.5 Specification.**

ODBC Enhancements – V5R4, V5R3, V5R2

V5R4 Enhancements	V5R3 Enhancements	V5R2 Enhancements
<p>Requires i5/OS V5R4</p> <ul style="list-style-type: none"> ▪ 128-byte column names ▪ Maximum SQL statement lengths of 2,097,152 bytes or 1,048,576 characters ▪ Support for IBM Enterprise Workload Manager (eWLM) correlator ▪ Support for lock sharing between loosely coupled transactions <p>OS/400 V5R2 or later</p> <ul style="list-style-type: none"> ▪ Improved support for delimited names 	<ul style="list-style-type: none"> ▪ Support for BINARY / VARBINARY data types ▪ Support for UTF-8 / UTF-16 data ▪ Support for increased precision of decimal numbers ▪ Enhanced MTS support ▪ ANSI / ISO (American National Standards Institute / International Standards Organization) Core Level SQL standard of 1999 	<ul style="list-style-type: none"> ▪ 64K SQL Statements ▪ Additional descriptor information ▪ MTS Support (actually shipped in V5R1)

iSeries OLE DB Provider



OLE DB

**Microsoft-recommended
Access for 32-bit Windows
applications**



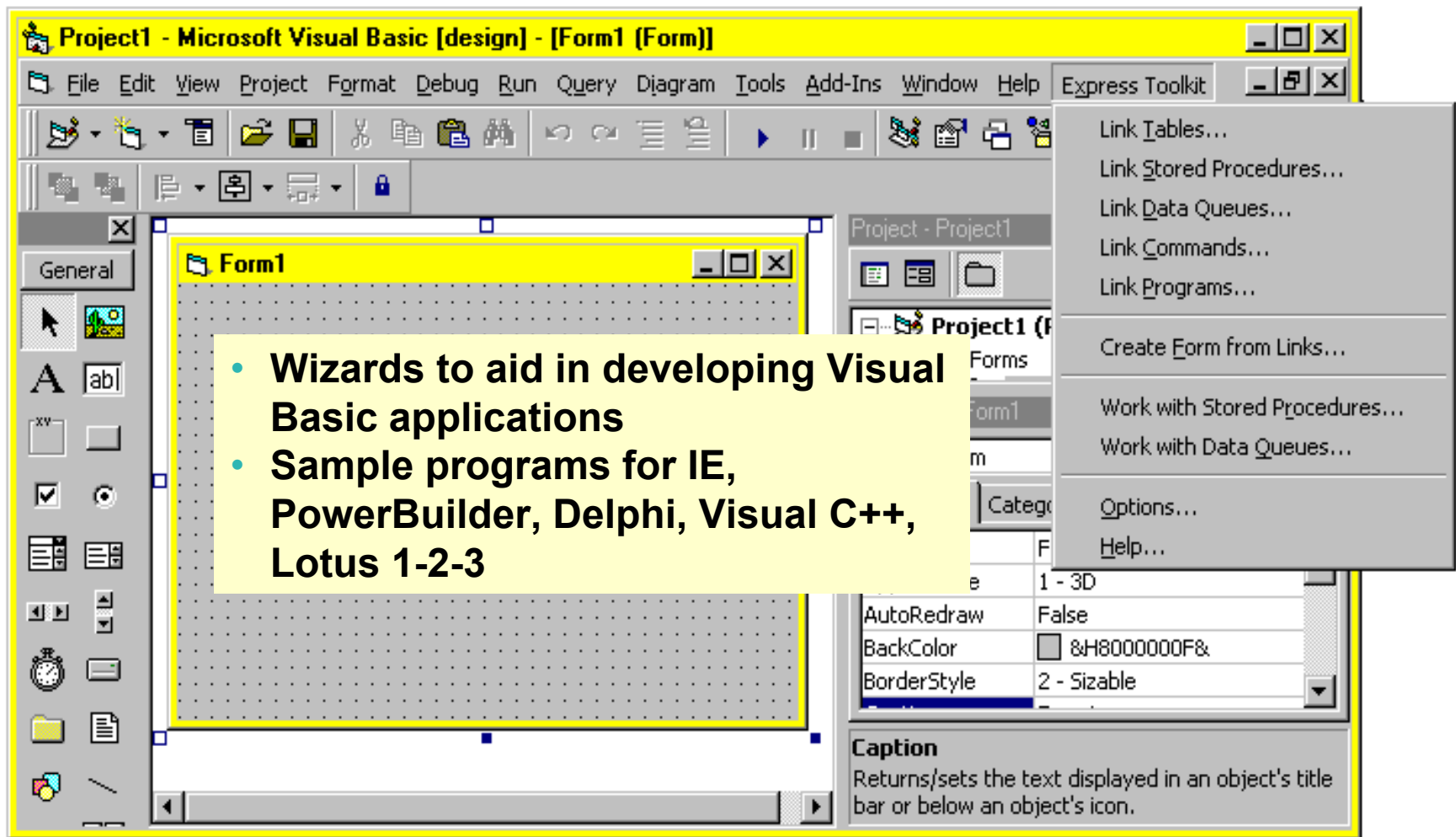
- Record level access
- Data Queues
- Stored Procedures
- SQL
- Remote Commands
- ODBC



plus add-ins for Visual Basic

OLE DB Provider supports OLE DB 2.5

Visual Basic Programming Aides



plus add-ins for Visual Basic

OLE DB Enhancements – V5R4, V5R3, V5R2

V5R4 Enhancements	V5R3 Enhancements	V5R2 Enhancements
<p>Requires i5/OS V5R4</p> <ul style="list-style-type: none"> ▪ 128 byte column names ▪ Maximum SQL statement lengths of 2,097,152 bytes or 1,048,576 characters ▪ Support for IBM Enterprise Workload Manager (eWLM) correlator <p>OS/400 V5R2 or later</p> <ul style="list-style-type: none"> ▪ System naming and library list ▪ Improved support for delimited names 	<ul style="list-style-type: none"> ▪ New SQL-only provider (IBMDASQL) <ul style="list-style-type: none"> • SQL commitment control using IBMDASQL • MTS support using IBMDASQL ▪ SQL <ul style="list-style-type: none"> • Custom blocking in SQL • SQL data compression • SQL package support ▪ New Record-Level Access-only provider (IBMDARLA) <ul style="list-style-type: none"> • Record-level access support for forward-only cursors and blocked reads using IBMDARLA ▪ Supports updatable cursors for the SQL dialect ▪ Database BINARY and VARBINARY data types ▪ Database larger decimal precision support ▪ Unicode support <ul style="list-style-type: none"> • UTF-8 & UTF-16 support 	<ul style="list-style-type: none"> ▪ Custom properties added <ul style="list-style-type: none"> • Force Translate (translate CCSID 65535 data) • Default Collection • Catalog Library List • Convert Date Time To Char ▪ Supports updatable cursors for the SQL dialect ▪ Supports ROW-ID ▪ 64K SQL Statements ▪ Additional descriptor information ▪ Is thread safe ▪ OLE DB provider work with Windows products, such as: <ul style="list-style-type: none"> • Visual Basic 6.0 OLE DB controls and wizards • ADO 2.5 – ships with Microsoft Windows 2000 • ADO 2.1 - ships with Microsoft IE 5.0 and Office/2000 products • An OLE DB interface is provided to support ADO recordset Seek (ADO 2.x)

iSeries .NET Data Provider



.NET

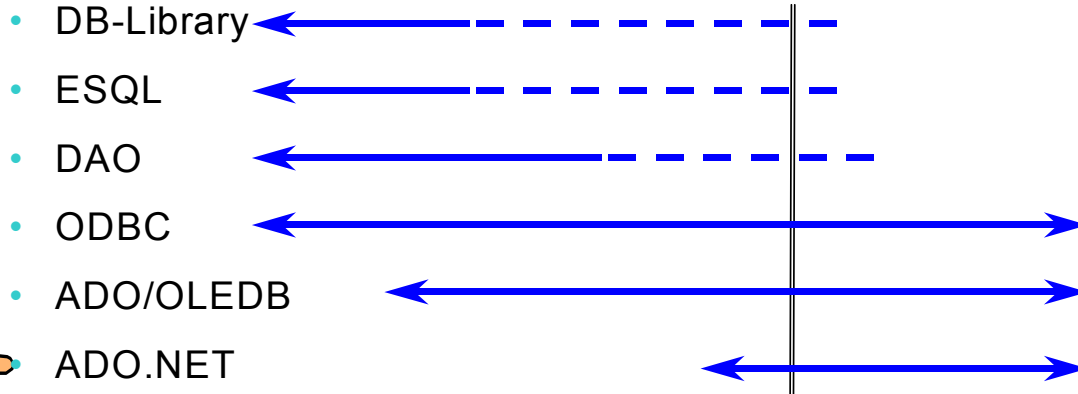
The next big wave in Microsoft technology

Runs on 32-bit and 64-bit Windows OS



Microsoft's Technology Roadmap

Today



The .NET provider is named **IBM.Data.DB2.iSeries**.

- It allows applications using Microsoft's .NET framework to access DB2 UDB for iSeries databases.

For complete documentation of the .NET Data Provider, see *IBM DB2 UDB for iSeries .NET Provider Technical Reference*.

.NET Enhancements – V5R4, V5R3

V5R4 Enhancements	V5R3 Enhancements
<p>Requires i5/OS V5R4</p> <ul style="list-style-type: none">▪ 128 byte column names▪ Maximum SQL statement lengths of 2,097,152 bytes or 1,048,576 characters▪ Support for IBM Enterprise Workload Manager (eWLM) correlator <p>Requires OS/400 V5R2 or later</p> <ul style="list-style-type: none">▪ System naming and library list▪ Support for LOB data types▪ Support for multiple active result sets per connection▪ Customizable String processing for Char for Bit Data, Date, Time, Timestamp, Decimal, and Numeric data types▪ Support for IntelliSense▪ Additional sample programs▪ Improved support for delimited names	<p>Requires OS/400 V5R2 or later</p> <ul style="list-style-type: none">▪ SQL (INSERT,UPDATE, DELETE)▪ Commitment Control▪ Connection Pooling▪ SQL naming▪ Unicode▪ Tracing▪ Threads▪ IASPs (multiple databases)▪ Stored Procedure Support▪ iSeries-specific Properties▪ User-Defined Types <p>Supported later via SP SI15176</p> <ul style="list-style-type: none">▪ System Naming (/)▪ Library List▪ Large Objects (LOBs)

.NET Data Provider Planning Statement

- **In V5R4, .NET Data Provider supports ADO .NET 1.0**
- **In the next release, .NET Data Provider will support ADO .NET 2.0**

Planning statements:

<http://www.ibm.com/systems/i/software/access/planning.html>

Integrating DB2 Universal Database for iSeries with Microsoft ADO.NET

Customers have been using the IBM DB2 UDB for iSeries for many years with data access technologies such as ODBC and OLE DB. The newest data access technology from Microsoft is called ADO.NET. Applications that use ADO.NET with the iSeries can work with several different .NET providers:

- **The IBM.Data.DB2.iSeries provider, a .NET-managed provider new to iSeries Access for Windows in V5R3**
- **The IBM.Data.DB2 provider, a .NET provider that works with all IBM eServer platforms in conjunction with DB2 Connect**
- **The Microsoft System.Data.OleDb provider, as a bridge to one of the OLE DB providers included with iSeries Access for Windows (IBMDA400, IBMDASQL, and IBMDARLA)**
- **The Microsoft System.Data.Odbc provider, as a bridge to the ODBC driver included with iSeries Access for Windows**

This IBM Redbook shows customers how to use ADO.NET effectively to harness the power of DB2 UDB for iSeries, showing examples, best practices, pitfalls, and comparisons between the different ADO.NET data providers.

iSeries Access for Windows Installer – Technology Preview

Available for customers who prefer to use the Microsoft Windows Installer technology.

- English National Language Version 2924 only
- Can be used on Microsoft Windows XP, Windows 2000, and 32-bit version of Windows Server 2003.

The screenshot shows the IBM website interface for the iSeries Access for Windows Installer Technology Preview. The page features a navigation menu with links for Home, Products, Services & solutions, Support & downloads, and My account. The main content area is titled "iSeries Access" and includes a sub-header "Windows® Installer Technology Preview". The text explains that the preview consists of an installation image using the Windows Installer technology for iSeries Access for Windows. A "Table of Contents" section lists links for Overview, What's new in this Preview?, Download the Technology Preview, Install the Technology Preview, and Feedback and report problems. An "Overview" section states that the preview is provided for customers who prefer to use the Windows Installer technology. An "Important notes" section highlights that the preview can be installed on Microsoft operating systems: Windows XP Professional, Windows 2000, and the 32-bit version of Windows Server 2003. A note at the bottom indicates that the preview cannot be installed on Linux. The page also includes a sidebar with various navigation options like Announcements, Order/Upgrade, Downloads, and Service Packs.

http://www.ibm.com/systems/i/software/access/windows/tech_preview.html

Windows Installer Technology

- **V5R4 iSeries Access for Windows adds Windows Installer capability**
 - Industry standard for installations on the Windows platform
- **Provides standard mechanisms to...**
 - manage installations
 - customize install packages with “transforms”
 - set install policies
 - install service packs
 - do silent installations more simply – no more response files!
- **Deploy to multiple desktops with several deployment systems, such as Active Directory and Systems Management Server**

Planning Statement

- **The V5R4 implementation is offered as a Technology Preview**
- **In the next release, iSeries Access for Windows will support the Windows Installer technology with all components and in all supported languages**

Planning statements:

<http://www.ibm.com/systems/i/software/access/planning.html>

Technology Preview

- **Level of code is V5R4 GA iSeries Access for Windows with the latest service pack integrated into the installation image**
- **Supports the 32-bits versions of Windows XP, Windows 2000, and Windows Vista**
- **Available as a web download**

Limitations in Tech Preview, removed in next release:

- **iSeries Navigator components not included**
- **English only**
- **Check Service Level not supported**

How to get the Tech Preview

- http://www.ibm.com/systems/i/software/access/windows/tech_preview.html
 - > Download
- Select the latest service level available.

Software >
IBM software downloads

Overview Evaluate Acquire Support

Search | Featured | By category | By product | Most recent

Can't find what you're looking for?
➔ View our FAQ's ?

Search for:

Search criteria: All download types | All operating systems | All IBM software brands | All product categories
[Change search criteria](#)

Search [Search tips](#)

1 - 2 of 2 results

Limit to: and

and and sort by:

Search results

[Show descriptions](#) | [Hide descriptions](#)

Name	Version	Type	Release date	Size	Operating system
1. iSeries Access for Windows Technology Preview (Includes service pack SI25949)	5.4.04	Beta	28 Dec 2006	29MB	i5/OS V5 OS/400 V5
2. iSeries Access for Windows Technology Preview (Includes service pack SI24893)	5.4.03	Beta	29 Aug 2006	29MB	i5/OS V5 OS/400 V5

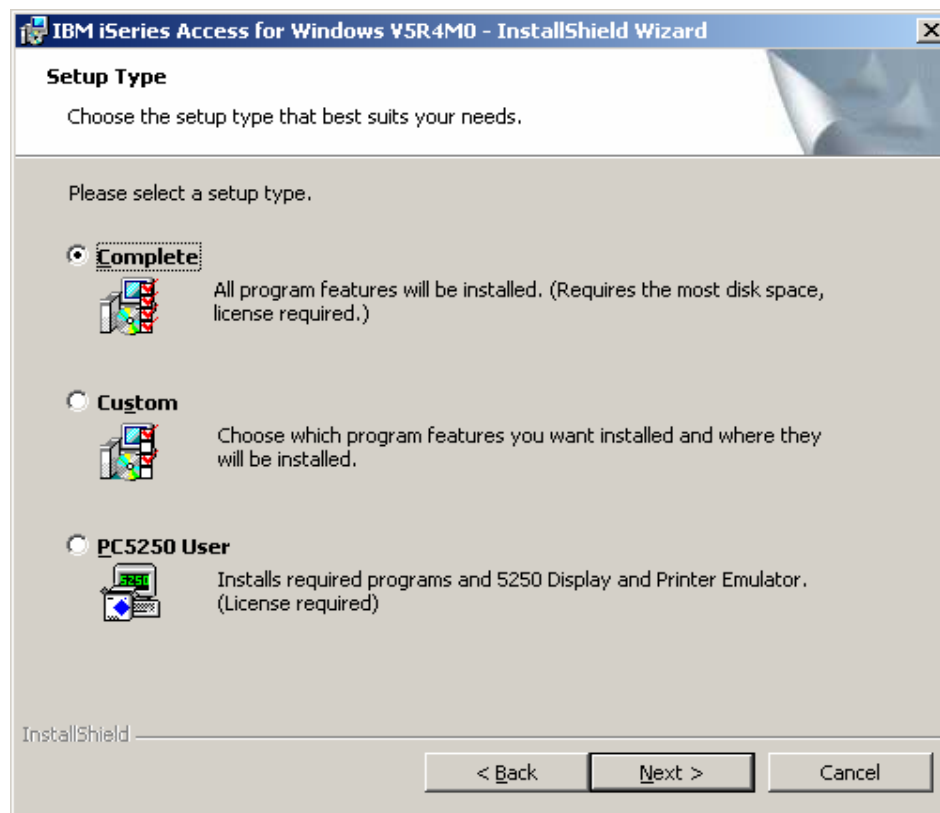
1 - 2 of 2 results

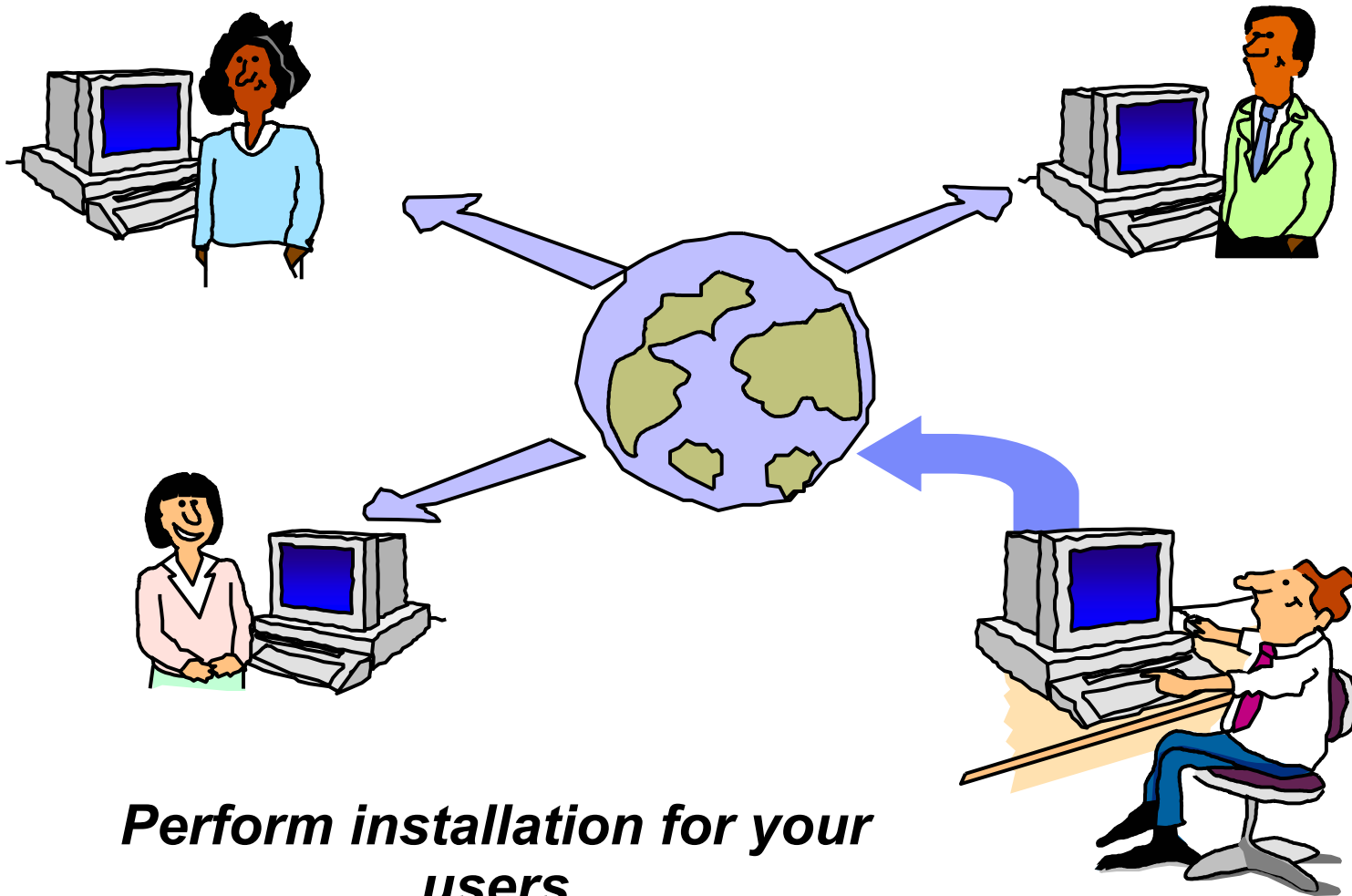
What is the MSI package?

- **A Windows Installer package is made up of an MSI file and source files**
- **An MSI file is a relational database. The tables within the MSI database describe:**
 - **installation logic, such as the sequence of actions**
 - **metadata about the resources that are to be installed**
- **“Feature”:**
 - **An application’s functions are separated into features (components)**
 - **Features can be installed independently**
- **“Public properties”:**
 - **Variables used at install time that can be set by the end user through the command line or in transforms**
 - **Define installation settings, such as target directory, type of install, list of features to be installed**
- **“Transform”:**
 - **The mechanism to customize the installation**

Installation Options

- **Complete**
 - **Installs everything**
- **Custom**
 - **Allows end user to select what to install**
- **PC5250 User**
 - **Only 5250 emulation installed**





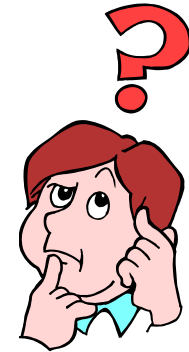
Perform installation for your users

Transforms:

Customizing the installation package

Transforms

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

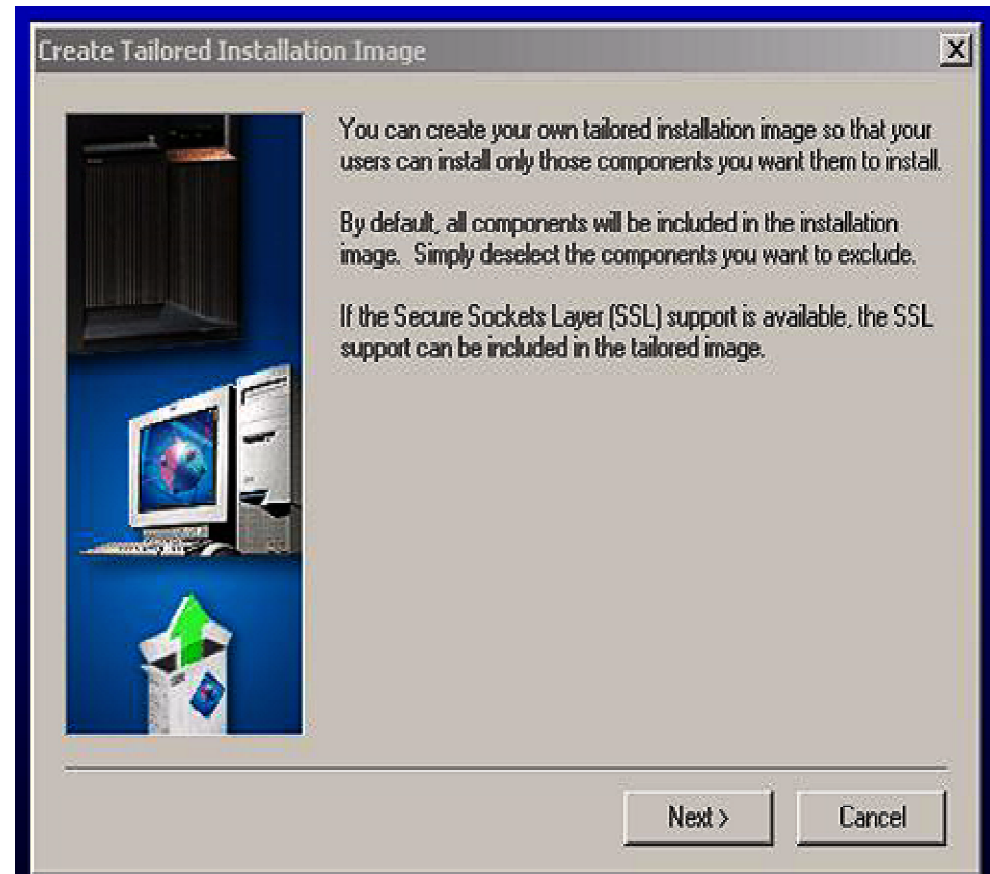


Use **Transforms** to:

- **Modify the MSI package by excluding the unwanted features**

Apply the transform to installations across your network

Users can easily install iSeries Access functions by **selecting a single option**



What are Transforms?

The means to customize the installation package

- A transform is a file that describes modifications to the MSI DB
 - Applied at install time
- Running the “Tailored installation wizard” is not necessary

Allow administrators to change the default settings of the installation package.

- Create customizations for different groups in the organization by defining different combinations of features.
- Pre-select features, deselect features, hide features from the features selection tree on custom installation

Many tools are available to create transforms

- InstallShield
- Microsoft Orca is available at no cost

What are Transforms?



- Transforms are applied at install time
- The original MSI file is not altered
- The transform file is saved along with the MSI file, and gets applied every time an install task is started

Steps to create your own transform

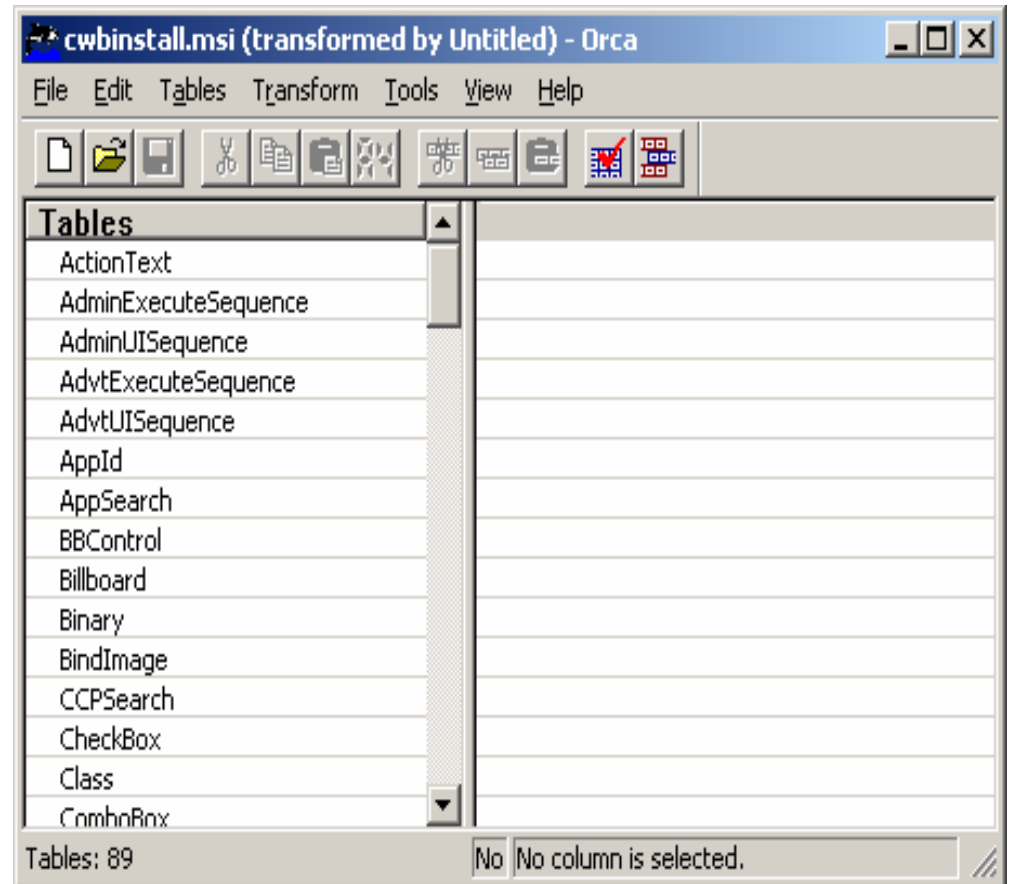
1. Open cwbinstall.msi in transform mode

Open Orca.

From the File menu, select Open and browse for [cwbinstall.msi](#).

From the Transform menu, select New Transform.

This will turn Orca into Transform mode, and now you can start modifying the MSI file.



Steps to create your own transform (continued)

2. Modify the tables

From the left pane, select the table to modify.

In the right pane, you can modify an existing field's value, as well as add and remove rows.

Tables with modifications are indicated by a green mark next to them.

In the example, we are changing the Level of feature ssl from 125 to 100 so it gets preselected.

The screenshot shows the Orca MSI editor window titled "cwininstall.msi (transformed by Untitled) - Orca". The interface includes a menu bar (File, Edit, Tables, Transform, Tools, View, Help) and a toolbar. The main area is divided into two panes. The left pane, titled "Tables", lists various tables, with "Feature" selected and highlighted in blue. The right pane displays a table with columns: Feature, Feature Parent, Title, Display, and Level. The "Feature" table is highlighted in blue, and the row for "ssl" is selected. The "Level" value for the "ssl" row is highlighted in yellow and circled in red, showing the value "100".

Feature	Feature Parent	Title	Display	Level
emus	emuc	Standa...	P 0	1
emut	emuc	Traditi...	T 0	1
emuk	emuc	Korean...	K 0	1
emup	emuc	Simplifi...	S 0	1
optfeatures		Option...	P 4	100
dir	optfeatures	Directo...	A 6	100
irc	optfeatures	Incomi...	P 8	100
prtdrivers		Printer...	i. 36	125
afp	prtdrivers	AFP Pri...	U 32	125
scs	prtdrivers	SCS Pri...	U 34	125
oc		Operat...	P 38	101
ole	DataAccess	OLE D...	I. 22	100
DataAccess		Data A...	P 11	100
vbw	ole	Visual ...	P 20	125
toolkit		Progra...	P 40	125
hld	toolkit	Heade...	P 40	125
ssl		Secure...	P 30	100
viewer		AFP W...	U 26	100
lotus123	DataAccess	Lotus ...	P 24	125
dt	DataAccess	Data T...	P 12	100
dtexcel	dt	Data T...	P 14	100
odbc	DataAccess	ODBC ...	P 16	100
req		Requir...	P 2	1

Steps to create your own transform (continued)

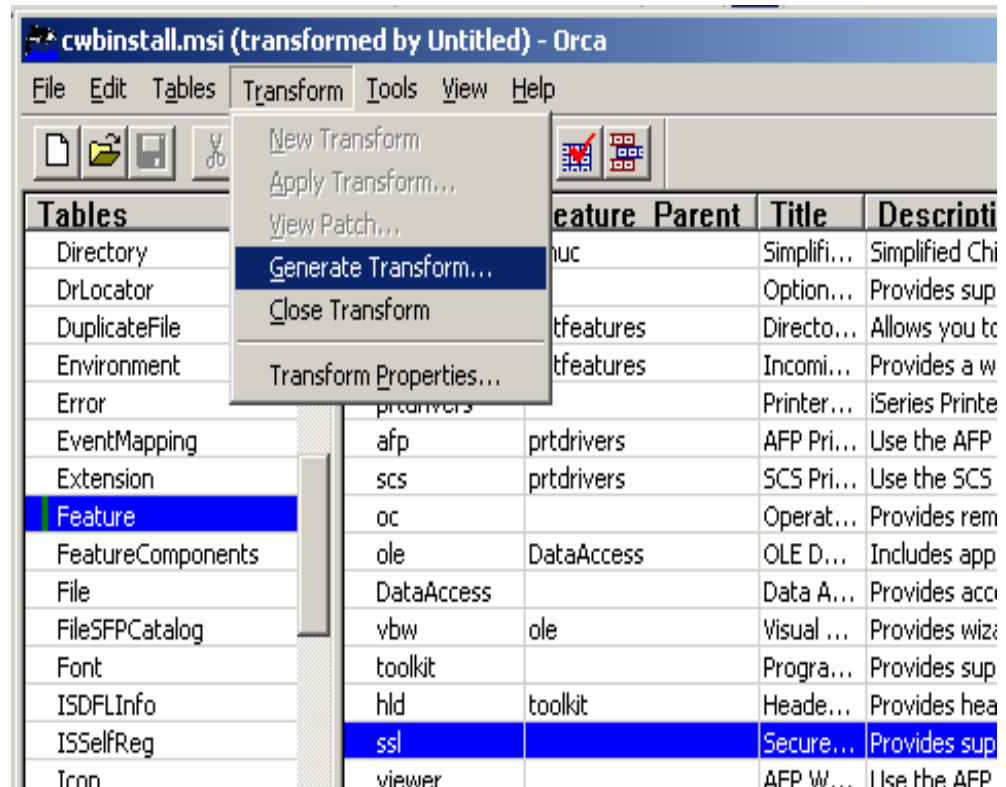
3. Generate the transform file

From the Transform menu, select **Generate Transform**.

Give your transform a meaningful name.

Transforms are created with a file extension of **.MST**.

Make sure the transform file is saved to the install image directory.



Apply the transform

Two ways to apply the transform:

1. Apply it at the command line:

Type:

setup

/vTRANSFORMS=odbc_pc5250_only.mst

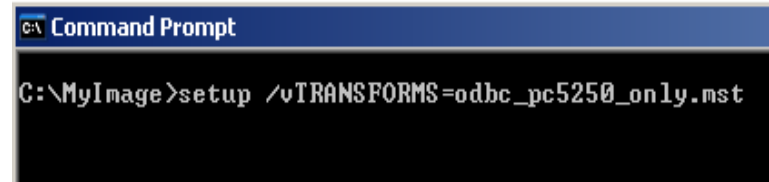
or

2. Modify setup.ini, and users will get the transform automatically:

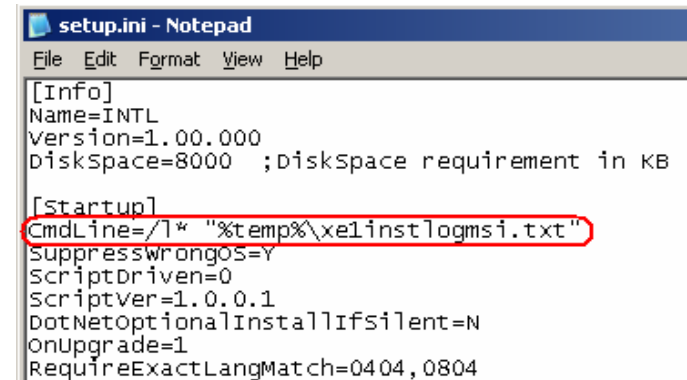
a. Open `setup.ini` and locate the `CmdLine` key, under the `[Startup]` section.

b. Append the string `TRANSFORMS=odbc_pc5250_only.mst` to `CmdLine`.

c. When user runs `setup.exe`, the transform will get applied.



```
Command Prompt
C:\MyImage>setup /vTRANSFORMS=odbc_pc5250_only.mst
```



```
setup.ini - Notepad
File Edit Format View Help
[Info]
Name=INTL
Version=1.00.000
DiskSpace=8000 ;DiskSpace requirement in KB

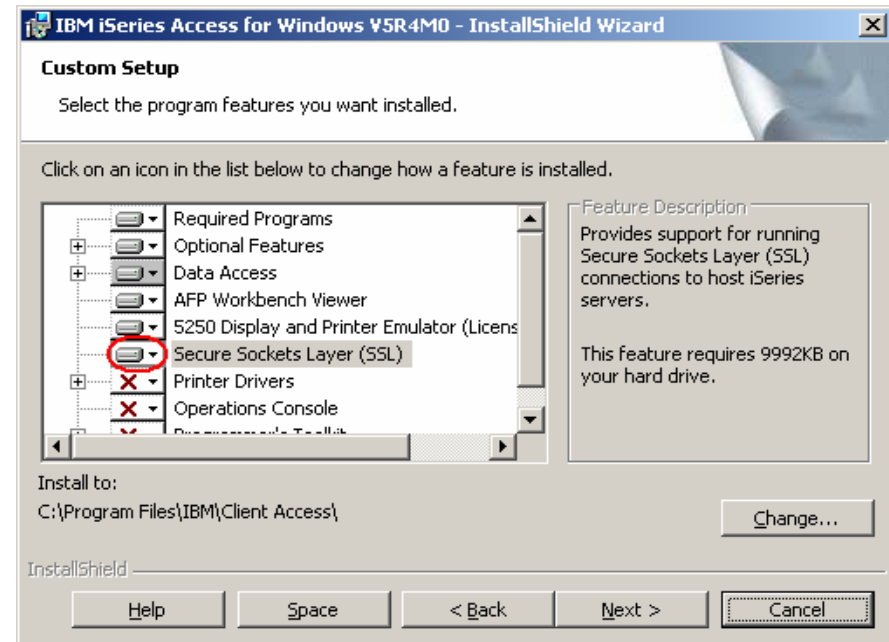
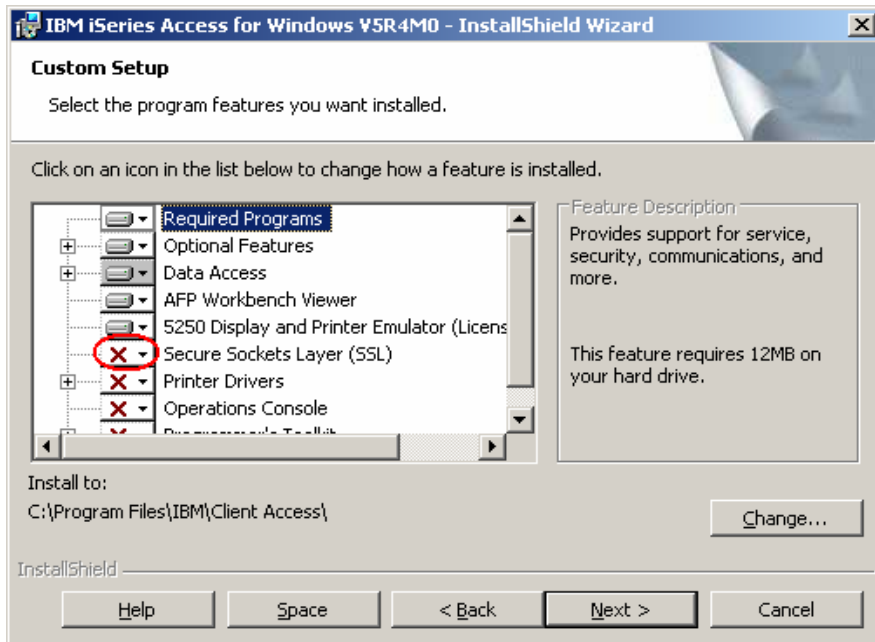
[Startup]
CmdLine=/1* "%temp%\xe1instlogmsi.txt"
SuppressWrongOS=Y
ScriptDriven=0
ScriptVer=1.0.0.1
DotNetOptionalInstallIfSilent=N
OnUpgrade=1
RequireExactLangMatch=0404,0804
```

Apply the transform (continued)

- In a command prompt window, type **setup /vTRANSFORMS=MyTransform.mst**

```
\> setup.exe
```

```
\> setup.exe  
/vTRANSFORMS=MyTransform.mst
```



Example 1

Administrator only wants to provide ODBC and PC5250 for a group of users

- **Create a transform that enables end users to install only ODBC and PC5250.**
- **Disable all features you don't want users to use.**
- **No need to create a tailored image. The transform can be applied to the original image.**

Example 1 (continued)

1. Open cwbinstall.msi and select Transform>New Transform.
2. Open the Feature table.
3. Change the Level field to 0 for all features, except the ones you want to install:
 - req
 - emuc, emuk, emup, emus, emut
 - DataAccess
 - Odbc

Save the transform as
odbc_pc5250_only.mst

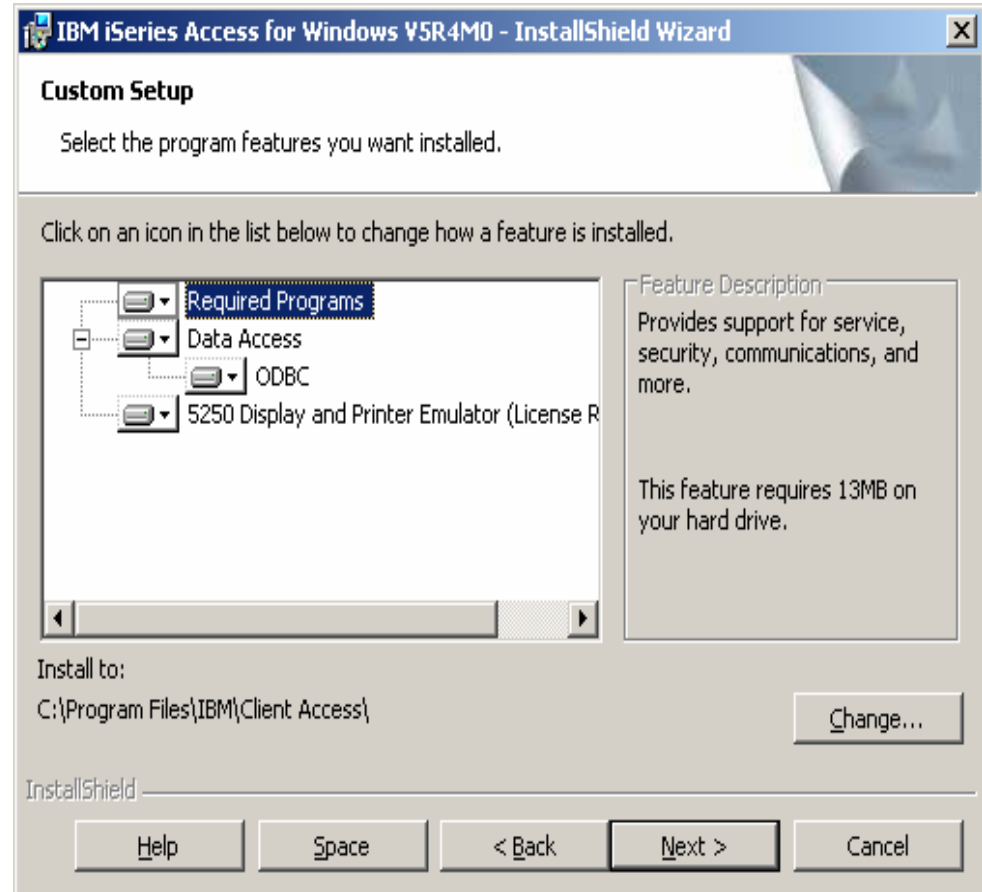
4. Apply the transform with setup.ini or on the command line

A level of 0 disables the feature

Tables	Feature	Feature...	T...	D...	D...	Le...	Directo...	Attribu
CreateFolder	optfeatures		O...	Pro...	4	0	INSTALLDIR	8
CustomAction	dir	optfeatures	D...	All...	6	0	INSTALLDIR	8
Dialog	irc	optfeatures	I...	Pro...	8	0	INSTALLDIR	8
Directory	ole	DataAccess	O...	Inc...	22	0	INSTALLDIR	8
DrLocator	viewer		A...	Us...	26	0	INSTALLDIR	8
DuplicateFile	dt	DataAccess	D...	Pro...	12	0	INSTALLDIR	8
Environment	dtexcel	dt	D...	Pro...	14	0	INSTALLDIR	8
Error	oc		O...	Pro...	38	0	INSTALLDIR	8
EventMapping	mp	DataAccess	Pro...	18	0	INSTALLDIR	8
Extension	prtdrivers		P...	iSe...	36	0	INSTALLDIR	8
Feature	afp	prtdrivers	A...	Us...	32	0	INSTALLDIR	8
FeatureComponents	scs	prtdrivers	S...	Us...	34	0	INSTALLDIR	8
File	vbw	ole	Vi...	Pro...	20	0	INSTALLDIR	8
FileSFPCatalog	toolkit		P...	Pro...	40	0	INSTALLDIR	8
Font	hid	toolkit	H...	Pro...	40	0	INSTALLDIR	8
ISDFLInfo	ssl		S...	Pro...	30	0	INSTALLDIR	8
ISSelfReg	lotus123	DataAccess	L...	Pro...	24	0	INSTALLDIR	8
Icon	emuc		S...	PC...	28	1	INSTALLDIR	8
IniFile	emus	emuc	S...	PC...	0	1	INSTALLDIR	8
IniLocator	emut	emuc	T...	Tra...	0	1	INSTALLDIR	8
InstallExecuteSequence	emuk	emuc	K...	Kor...	0	1	INSTALLDIR	8
InstallUISequence	emup	emuc	Si...	Sim...	0	1	INSTALLDIR	8
IsolatedComponent	req		R...	Pro...	2	1	INSTALLDIR	24
LaunchCondition	DataAccess		D...	Pro...	11	100	INSTALLDIR	8
ListBox	odbc	DataAccess	O...	Pro...	16	100	INSTALLDIR	8
ListView								
LockPermissions								
MIME								

Example 1 (continued)

- Complete **option selected**: **only** enabled features will be installed.
- **Custom option selected**: **only** enabled features will be visible **in the feature selection tree**.
- **If installation is launched with** basic or no user interface, **only** enabled features will be installed.

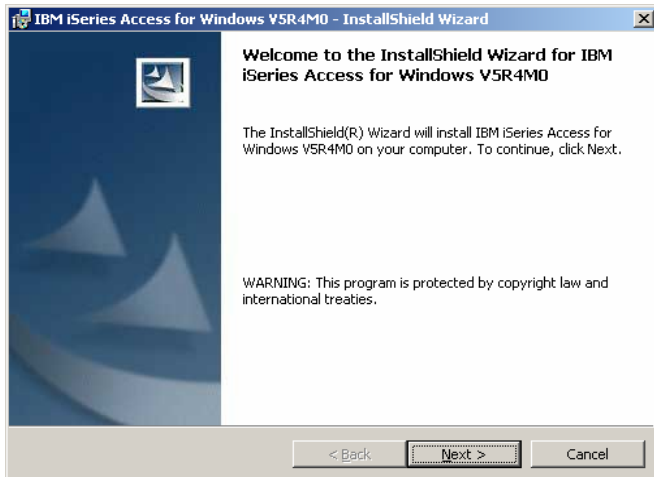


User Interface Levels

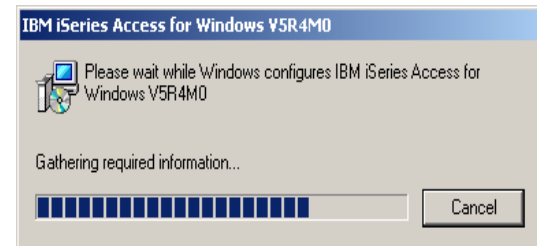
– In Windows Installer, an installation's **user interface** can have several **levels**:

<i>Level</i>	<i>Command line option</i>	<i>UILevel value</i>	<i>Description</i>
Full (default)	/qf	5	The Install Wizard is launched. User can change all installation options.
Basic	/qb	3	Only progress bar and error messages are shown. User still can cancel instalation.
Silent	/qs	2	No dialogs displayed. There's no indication about installation in progress.

Full user interface



Basic user interface



Deploy iSeries Access for Windows using Active Directory

iSeries Access for Windows can be deployed using Active Directory

Active Directory is Microsoft's directory service

- **Windows 2000 Server and Windows Server 2003**

Some of the goals of Active Directory are:

- **Centralized management of resources, services, and users on a network**
- **Access control to resources**
- **Central software distribution to PCs in the network**

Deploy iSeries Access for Windows using SMS

Microsoft Systems Management Server (SMS) is software to centrally managing client computers and servers.

Some features of SMS are:

- **Hardware and software inventory**
- **Software distribution**
- **Software metering**
- **Security**

SMS enables scheduled installations, deployment based on software or hardware criteria and monitoring.

Links:

- **SMS concepts:**

<http://www.microsoft.com/technet/prodtechnol/sms/sms2003/cpdg/default.mspx?mfr=true>

- **Distributing Windows Installer packages**

<http://www.microsoft.com/technet/sms/20/deplymsi.mspx>

Install from a Network Share

You can share an installation image residing on the network, either at your NetServer or a Windows share.

Your desktop users can map a drive to the network share.

Users then will run setup.exe from the network drive to start iSeries Access for Windows installation.

If one or more transforms must be applied:

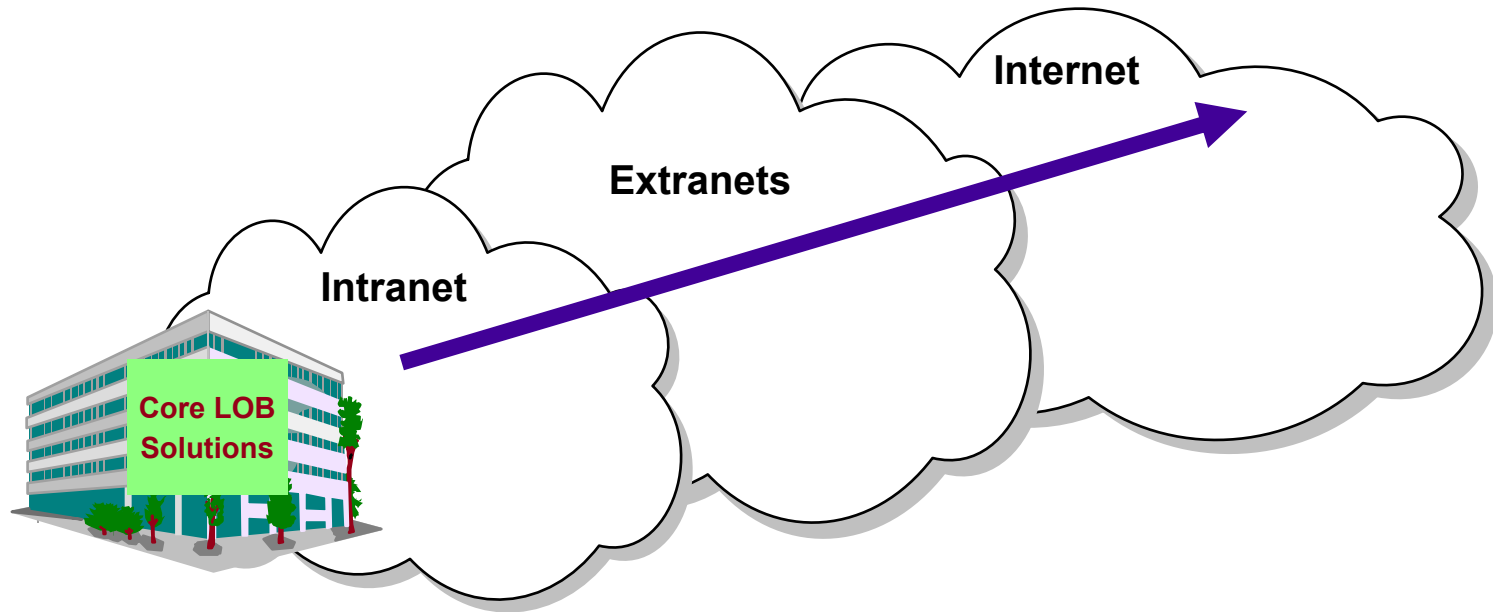
- **Make sure that the transform file(s) are located in the source directory.**
- **Two ways to apply the transform:**
 - **Users type `setup.exe /v/"TRANSFORMS=transform1.mst, transform2.mst..."`**
 - or**
 - **Modify setup.ini to include any command options in the CmdLine key.**

What's coming in the next release?

System i Access for Windows

- **.NET Data Provider supports ADO .NET 2.0**
- **Supports the Microsoft Installer Package (MSI) technology**
- **PC5250 V5.9**
- **IPv6**
- **ODBC, OLE DB, Data Transfer enhancements**

Extend System i applications to the Web



Customers are looking for **no network desktop administration** and **easy access** to iSeries information:

- For a variety of desktop users
- For users with no iSeries skills

What is iSeries Access for Web?

End users can leverage business information, applications, and resources across an enterprise by extending the iSeries resources to the client desktop through a web browser

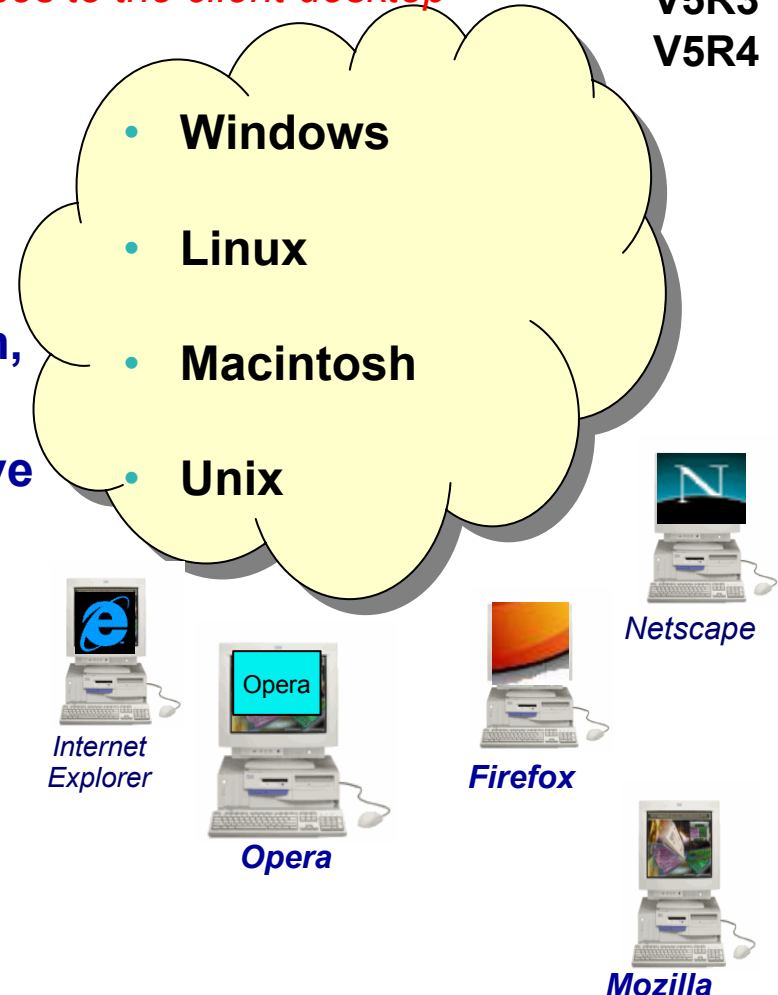
**i5/OS
V5R3
V5R4**

Provides access to iSeries through a browser

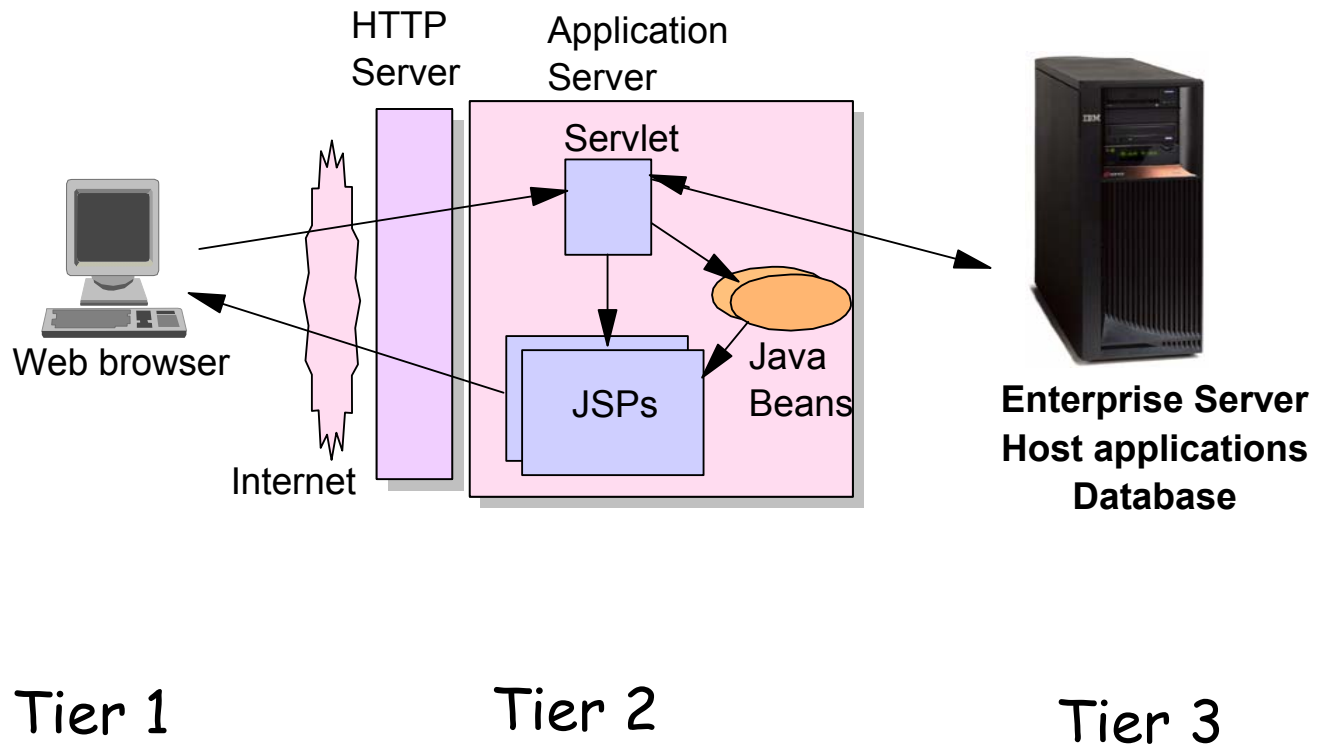
- **5250 access**
- **Access to database, integrated file system, printers, output queues, jobs**
- **Can run batch commands and send/receive messages**

It has the following advantages:

- **Is server based**
- **Requires only a browser on the client, no configuration required at desktop, no applets installed on desktop**
- **Uses industry standard protocols - HTTP, HTTPS and HTML**



First you need a web application server



Supported Web Application Servers

The iSeries Access for Web servlet code can be used with any of the following web application servers:

- **Integrated web application server – available October 10, 2006**
- **WebSphere® Application Server V6.1 and V6.0 – Express for i5/OS**
- **WebSphere Application Server V6.1 and 6.0 Base and Network Deployment**
- **WebSphere Application Server V5.1 - Express for iSeries**
- **WebSphere Application Server V5.0 - Express**
- **WebSphere Application Server V5.1 and 5.0 Base and Network Deployment Editions**
- **ASF Tomcat**

The iSeries Access for Web portlet code can be used with any of the following portal servers.

- **IBM Workplace Services Express V2.6 (V5R4 iSeries Access for Web)**
- **IBM Workplace Services Express V2.5**
- **WebSphere Portal for Multiplatforms V6.0**
- **WebSphere Portal for Multiplatforms V5.1.0.1**
- **WebSphere Portal Express for Multiplatforms V5.0.2**
- **WebSphere Portal Express Plus for Multiplatforms V5.0**

PTFs required for latest web app server and portal support:

<http://www.ibm.com/systems/i/software/access/web/servicepacks.html>

4Q2006 Announcement: “System i Web Enablement Made Easy”

Two pieces related to iSeries Access for Web:

- 1. iSeries Access for Web supports the use of a Web application server integrated with i5/OS.**
 - **Configure iSeries Access for Web without having to install or configure a Web Application server**

- 2. Web Enablement for i5/OS: Express Runtime Environment**
 - **Auto configure of Web servers, components, applications using WAS – Express V6.0**
 - **iSeries Access for Web is part of the environment**

Refer to:

<http://www.ibm.com/systems/i/software/access/web/servicepacks.html>

Integrated Web application server

What is it, does iSeries Access for Web support it?

What is the i5/OS integrated Web application server

A web application engine much like ASF Tomcat

Uses minimal system resources, similar to ASF Tomcat

Minimal effort by an Administrator to maintain

V5R4 is the last release i5/OS will contain ASF Tomcat

How is it packaged

5722-DG1 IBM HTTP Server for i5/OS

Available in the DG1 group PTF

V5R4 SF99114 level 6 or later

V5R3 SF99099 level 15 or later

iSeries Access for Web support

Only V5R4 iSeries Access for Web supports the i5/OS integrated Web application server

V5R4 iSeries Access for Web can be installed and is supported on...

V5R3 i5/OS

V5R4 i5/OS

Integrated Web application server

iSeries Access for Web within this environment

To use iSeries Access for Web within the i5/OS integrated Web application server

Stop the Web Administration for i5/OS

```
ENDTCPSVR SERVER(*HTTP) HTTPSVR(ADMIN)
```

Load/apply latest 5722-DG1 group PTF (review cover letters for any additional information)

```
V5R4 SF99114
```

```
V5R3 SF99099
```

Load/apply latest V5R4 iSeries Access for Web PTF

```
SI25551 or later
```

Configure iSeries Access for Web

```
QSH
```

```
cd /QIBM/ProdData/Access/Web2/install
```

```
cfgaccweb2 -appsvrtype *INTAPPSVR
```

Start the Web Administration for i5/OS

```
STRTCPSVR SERVER(*HTTP) HTTPSVR(*ADMIN)
```

Start preconfigured HTTP web server

```
STRTCPSVR SERVER(*HTTP) HTTPSVR(IWADFT)
```

Open a browser to iSeries Access for Web using preconfigured HTTP:port

<http://<system name>:2020/webaccess/iWAMain>

Done!

IBM Systems > System i >

WebSphere Application Server

for i5/OS

WebSphere Home
What's New
About WebSphere
Ordering
Documentation
FAQs
Business Solutions
Samples
PTFs
Performance
Coexistence
Migration
Forum
Newsletter
Related Resources

Features

WebSphere Application Server Version 6.1 for i5/OS is announced. To find out more about the new version or any other of the supported versions — please click on the links below:

Version 6.1

- [IBM WebSphere Application Server V6.1 for i5/OS](#)
- [IBM WebSphere Application Server for Developers V6.1 for i5/OS](#)
- [IBM WebSphere Application Server Network Deployment V6.1 for i5/OS](#)
- [IBM WebSphere Application Server – Express V6.1 for i5/OS](#)

Version 6.0

- [IBM WebSphere Application Server V6.0 for OS/400](#)
- [IBM WebSphere Application Server for Developers V6.0 for OS/400](#)
- [IBM WebSphere Application Server Network Deployment V6.0 for OS/400](#)
- [IBM WebSphere Application Server – Express V6.0 for OS/400](#)

Version 5.1

- [IBM WebSphere Application Server V5.1 for iSeries](#)
- [IBM WebSphere Application Server for Developers V5.1 for iSeries](#)
- [IBM WebSphere Application Server Network Deployment V5.1 for iSeries](#)
- [IBM WebSphere Application Server – Express for iSeries V5.1](#)


Version 5.0

- [IBM WebSphere Application Server V5.0 for iSeries](#)
- [IBM WebSphere Application Server Network Deployment V5.0 for iSeries](#)
- [IBM WebSphere Application Server – Express for iSeries V5.0](#)

Need directions?



→ [iSeries Developer roadmap](#)

 [An Independent Analysis of the iSeries Developer Roadmap - Updated for 2006 \(1.4MB\)](#)

 [The Business Benefits of iSeries Application Modernization \(183KB\)](#)

 [Get Adobe® Reader®](#)


Emerging Technology

→ [Dynamic web site development for the non-technical business user.](#)

Pilot Pricing Program

→ [IBM Software Pilot Pricing Program for IBM eServer i5 520 Systems](#)



 Local intranet

Is your AS/400 or iSeries ready?

**Under 512Mb
Under 300 CPW**

Bxx, Cxx, Dxx, Exx, Fxx

S10, S01, Pxx

S20 / #2161, #2163

100, 150

170 /

**#2159,#2160,#2164,#2289,#2290,#2291,#2292,#2407,
#2408,#2409**

200, 20S, 250

270 / #2422,#2423, #2424,#2248,#2452,#2454

3xx, 4xx

500, 510, 50S

53S / #2154

530 / # 2150, # 2151

600

620 / #2175,#2179,#2180,#2181

720 / #2061

820 / #2425,#2426,#2457,#2456

**512Mb–1GB
300-500 CPW**

S30 / #2257

S20 / #2170,#2165

170 / #2176,#2183,#2383,#2384,#2385,#2386

270 / #2250,#2431

53S / #2155

530 / #2150,#2151

600 / All

620 / #2175,#2179,#2180,#2181

720 / #2161

820 / #2425,#2426,#2456,#2457

**WAS Express with few
concurrent users**

**Over 1GB
And
500 CPW**

SB1,SB2,SB3,S20(1),S30(1),S40,170 / #2388

270 / #2252,#2253,#2432,#2434

53S / #2156,#2157

530 / #2153,#2162

730,740,800 / #2464

810,825,870,890,i5 520,i5 550,i5 570,i5 595 / All

**Complex web
applications with many
concurrent users**

http://www-1.ibm.com/servers/eserver/series/software/websphere/lay_foundation.html

Performance Considerations...

Use the **IBM Systems Workload Estimator** at
<http://www-912.ibm.com/wle/EstimatorServlet>

Version: 2005.4.fix.1
14-Dec-05
www-912

IBM eServer Workload Estimator

Workload Selection | Workload Definition | Selected System | Help/Tutorials

- Download PDF
- Printable Version
- Choose Base System
- Modify System
- External Storage
- Call Me Now
- Edit Estimation Info
- Options
- Change Growth Factors
- Save all Workloads

Selected System

Immediate Solution

Available: ~93.5%
HATS #1: ~6.5%

The 520-8950/7450 can handle the defined workloads **NOW**.

Growth Solution

Available: ~90.2%
HATS #1: ~9.8%

It can also handle the specified growth.

Model/Feature:	520-8950/7450	500/30
Number of Systems:	1	1
Processor CPW:	500	500
5250 OLTP CPW:	30 (24% utilized)	30 (35% utilized)

System i Software Requirements



Product Number	Product Name	Option	\$
5722-SS1	V5R3 iSeries Access for Web: V5R2 OS/400 or V5R3 i5/OS V5R4 iSeries Access for Web: V5R3 and later i5/OS	Base	w/HW
5722-SS1	I5/OS - Extended Base Directory Support	3	N/C
5722-SS1	I5/OS - AFP Compatibility Fonts	8	N/C
5722-SS1	I5/OS - Host Servers	12	N/C
5722-SS1	Operating System/400 QShell Interpreter	30	N/C
5722-SS1 5722-AC3	If you plan to use Secure Sockets Layer (SSL): OS/400 Digital Certificate Manager Cryptographic Access Provider (128-bit)	34	N/C N/C
5722-DG1	IBM HTTP Server for iSeries	Base	N/C
5722-JV1	Developer Kit for Java Developer Kit for Java Version 1.2 Developer Kit for Java Version 1.3 Developer Kit for Java Version 1.4 (Check WebSphere doc for required version)	Base 3 5 6	N/C N/C N/C N/C
5722-JC1	Toolbox for Java	Base	N/C
5722-TC1	TCP/IP Connectivity Utilities for iSeries	Base	N/C

System i Software Requirements (continued)

Product Number	Product Name	Option	\$
5722-XW1	iSeries Access Family	Base	\$
5722-XH2	iSeries Access for Web <ul style="list-style-type: none"> • Ships with 5722-XW1 iSeries Access Family • V5R3 iSeries Access for Web runs on OS/400 V5R2 and i5/OS V5R3 • V5R4 iSeries Access for Web runs on i5/OS V5R3 and V5R4 	Base	part of XW1
5722-IP1	IBM Info Print Server (Optional -- enables best PDF output: - <u>is not</u> required to view PDF output - is required for V5R4 PDF Printer support)	Base	\$

System i Software Requirements (continued)

Product Number	Product Name	Option	\$
<u>One, or more, of the following web servers</u>			
5733-W61	WebSphere Application Server V6.1 for i5/OS (all three editions)	See documentation	
5733-W60	WebSphere Application Server V6.0 for OS/400 (all three editions)		
5722-E51	WebSphere Application Server V5.1 - Express for iSeries		
5733-W51	WebSphere Application Server V5.1 for iSeries (Base and ND)		
5722-IWE	WebSphere Application Server V5.0 - Express for iSeries		
5733-WS5	WebSphere Application Server V5.0 for iSeries (Base and ND)		
5722-DG1	Apache Software Foundation Tomcat		
5722-DG1	Integrated Web Application Server		
*	WebSphere Portal for iSeries (Express and Express Plus) V5.0.2.2		
*	WebSphere Portal Enable for Multiplatforms V5.1.0.1		
*	WebSphere Portal V6.0		
*	IBM Workplace Services Express V2.5, V2.6		

Refer to the documentation for the individual web serving environments additional requirements that may not be listed above.

WebSphere	http://www.ibm.com/servers/eserver/iseries/software/websphere/wsappserver/
ASF Tomcat	http://www.ibm.com/servers/eserver/iseries/software/http/
Portal V5.0.2.2	http://publib.boulder.ibm.com/pvc/wp/502/smbi/en/InfoCenter/index.html
Portal V5.1.0.1	http://publib.boulder.ibm.com/infocenter/wp51help/index.jsp
Portal V6.0	http://publib.boulder.ibm.com/infocenter/wpdoc/v6r0/index.jsp
Workplace V2.5	http://publib.boulder.ibm.com/infocenter/wseic/v2r5/index.jsp
Workplace V2.6	http://publib.boulder.ibm.com/infocenter/wseic/v2r6/index.jsp

iSeries Access for Web – V5R4

New look for the *Servlet* version

The screenshot displays the iSeries Access for Web web interface. At the top, the user is identified as 'User: CMINER System:' and the IBM logo is visible. The main heading reads 'Welcome to iSeries Access for Web'. A navigation menu on the left includes 'My Home Page', 'My Folder', 'Print', 'Messages', 'Jobs', '5250', 'Database', 'Files', 'Command', 'Download', 'Customize', and 'Other'. Below this is a 'Related Links' section with items like 'iSeries Access for Web', 'iSeries Access', 'iSeries Navigator', 'iSeries Information Center', and 'iSeries Resource Library'. The main content area is titled 'Getting Started' and contains three columns: 'My Information' (with links like 'My Folder', 'Printer output', 'Display messages', 'Start a 5250 session', 'Database requests', 'Browse files', and 'Preferences'), 'My View' (with a link to 'Customizing iSeries Access for Web'), and 'Related Products' (with links to 'WebSphere Application Server for iSeries', 'WebSphere Development Studio Client for iSeries', and 'WebSphere Development Studio for iSeries'). Below this is a section titled 'What is iSeries Access for Web' with a paragraph of introductory text and sub-sections for 'Browser Access to iSeries Server Information' and 'Easy Administration'. On the right side, there are four sidebars: 'Rochester information' (with links to 'City information', 'Movies', and 'Mayo Clinic'), 'Rochester weather' (with a digital display and 'SkyCam' link), 'Rochester news' (with links to 'Post-Bulletin online' and 'KTTC'), and 'Telephone directory' (with links to 'Find a person' and 'Find a business').

Web site: www.ibm.com/systems/i/software/access/web

Functions you can perform with iSeries Access for Web 5722-XH2, V5R4

Print

- Printer output
- PDF Printer output
- Printers
- PDF Printers
- Internet Printers
- Internet Printer Shares
- Printer shares
- Output Queues

5250

- Active Sessions
- Start 5250 Session
- Configured Sessions
- **** Bypass Sign-on**

Files

- Browse Files
- File Shares
- **** Browse File Share**

Items marked with “**” are new in the V5R4 version

Messages

- Display Messages
- Send Messages
- Sametime
- Operator Messages
- Message Queue

Database

- Tables
- My Request
- Run SQL
 - **** Open Office Formats**
- Copy Data to Table
- Import Requests
 - iSeries Access for Windows
 - **** Query Manager**
 - **** Query/400**
- Extract Server Data

Commands

- Run commands
- My commands
- Search

My Personal Folder

Jobs

- User Jobs
- Server Jobs

Customize

- Preferences
- Policies
- Settings
- **** Transfer configuration data**

Download

Other

- Bookmarks
- Change Password
- Connection Pool
- Status
- Trace
- About



5250 is the only function in iSeries Access for Web that requires the interactive feature.

All other functions run as batch tasks.

Start a 5250 Session and save it

Select 'Start Session'

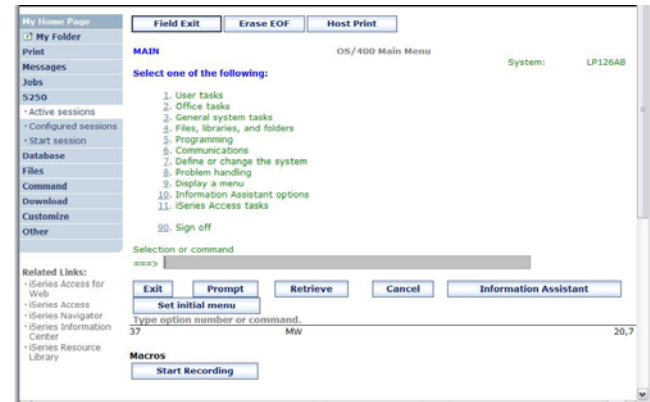
1

- Provide name of iSeries you wish to connect to → can be any iSeries in the network
- Provide how you want Workstation ID handled
- Can check to Bypass additional i5/OS sign-on screen



2

Once you are connected, click on the 'Active' session link to save this session



Change look of 5250 session

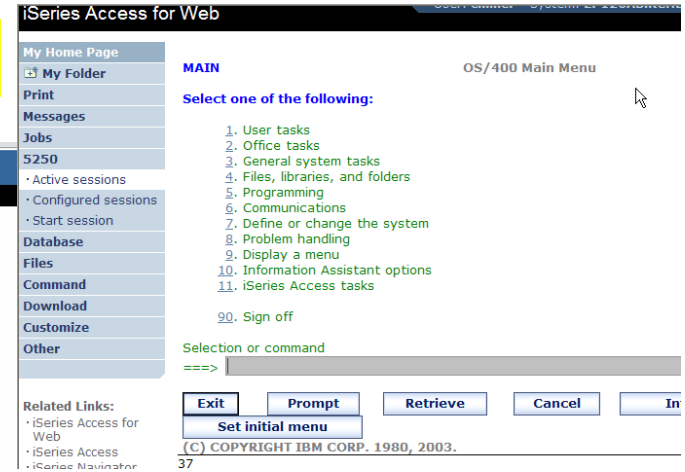
Default 'web' look

Changed colors, added keypad at side, changed buttons at bottom to words

Removed navigation bar, put keypad on top

Selected 'traditional' view, removed navigation bar

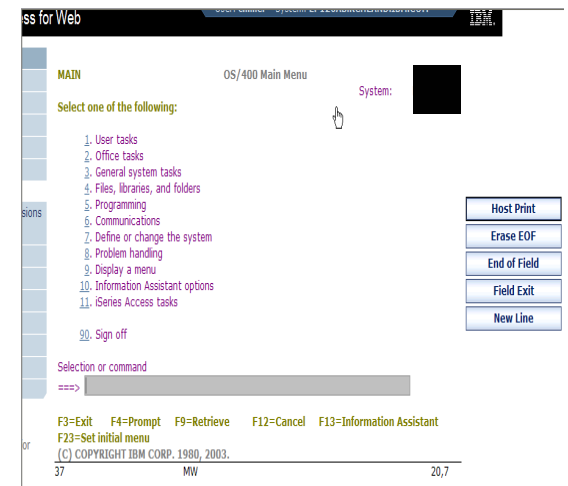
1



2



3



Configured Sessions

User profile CMINER1

- Does not have a 'Start Session' link
- Has only has 'Configured Sessions' link
- Has a Shortcut to a Configured Session created by CMINER

Policies have been set on CMINER1

- So that the only Action user can take is to start this session. User cannot:
 - Copy, Delete, Rename, Create Another Shortcut, Edit



The screenshot shows the 'iSeries Access for Web' interface. At the top, the user is identified as 'User: cminer1 System: System'. A yellow box with the number '7' is overlaid on the top right. The main content area is titled 'Configured Sessions'. On the left, there is a sidebar with navigation options: 'My Home Page', 'Print', '5250', 'Active sessions', 'Configured sessions', and 'Files'. The 'Configured sessions' table has the following data:

Session	Server	Action ?	Shortcut	Created By	Access
Shortcut to Inventory System	.RCHLAND.IBM.COM		Yes	cminer	cminer1
Shortcut to Inventory System	.RCHLAND.IBM.COM		Yes	cminer	GROUPA

At the bottom, there is a 'Related Links' section with a link to 'Active sessions'.



- My Folder
- Print
- Messages
- Jobs
- 5250
- **Database**
- Files
- Commands
- Customize
- Downloads
- Mail

iSeries Access for Web – Database Functions

Access database tables on your iSeries server with iSeries Access for Web.

Tables

- View a list of database tables on your iSeries server.
- Perform actions on these tables without having knowledge of SQL and its syntax.
- View the contents of a table in a paged list, using the Quick view action.
- Add and update records in a table using the Insert and Update actions.
- Create your own customized SQL request for a table using the Run SQL action.
- Create your own customized copy data request for a table using the Copy data to table action.

My requests

- View a list of previously saved requests.
- Run or Edit requests from this list.
- Manage lists using the Copy, Delete, and Rename actions
- Create and manage shortcuts to requests

Run SQL

- Run SQL statements dynamically.
- View output as a paged list or in a popular file format, like Microsoft Excel or Lotus 1-2-3. (Output format depends on how you have your browser configured and whether the browser can locate a plug-in for the output type you choose.)
- Customize how data is returned by setting options specific to the output type.
- Build SELECT statements using an SQL Wizard.
- Save requests for repeated use.

Copy data to table

- Copy existing data files from your PC to a database table on your iSeries server.
- These data files can be in many popular file formats, including Microsoft Excel and Lotus 1-2-3.
- Replace the contents of a table or add data to an existing table.
- Create a new database table based on the contents of a workstation file.
- Save requests for repeated use.

Import request

- Import Client Access Data Transfer upload and download requests into iSeries Access for Web copy data and SQL requests.
- Imported requests are automatically converted to iSeries Access for Web format.
- Run and edit converted requests on your iSeries server just like other copy data and SQL requests.

Import query

- Import queries generated by Query for iSeries and DB2 UDB for iSeries Query Manager.
- Imported queries can be saved into iSeries Access for Web database requests.
- Run and edit converted queries on your iSeries server just like iSeries Access for Web SQL requests.

Extract server data

- Extract server object information into a database table.

Tables – work with i5/OS database information

Servlet version

The screenshot shows the 'iSeries Access for Web' interface. At the top, it displays 'User: CMINER' and 'System: [redacted]'. The main content area is titled 'Tables' and shows a connection to 'IBM Toolbox for Java - LP126AB.RCHLAND.IBM.COM' with a table filter of '*USRLIBL, boats'. Below this is a table with three columns: 'Table', 'Description', and 'Action'. The 'Action' column contains a set of icons for each table row. A red arrow points from the 'Action' column of the first row to a larger, detailed view of the 'Action' icons on the right.

Table	Description	Action
BOATS.BOATS	Available BOATS	[Icons]
BOATS.BOATS1	Available boats by length	[Icons]
BOATS.PCFILES	PC files needed by BOATS WSG Demo	[Icons]
BOATS.QCLSRC		[Icons]
BOATS.QCMDSRC		[Icons]
BOATS.QDSSRC		[Icons]
BOATS.QRNCVTLG		[Icons]
BOATS.QRPGLESRC		[Icons]
BOATS.QRPGSRC		[Icons]
QGPL.#	\$	[Icons]
QGPL.BITYPES		[Icons]
QGPL.CHADECC		[Icons]
QGPL.CONCURTYPE		[Icons]
QGPL.CPY_INFO		[Icons]
QGPL.DAVE		[Icons]
QGPL.DECSEP		[Icons]
QGPL.DIVZERO		[Icons]
QGPL.DIVZERO2		[Icons]
QGPL.DSD		[Icons]
QGPL.DSPSFWRSC	Output file for DSPSFWRSC	[Icons]

A detailed view of the 'Action' icons, which are arranged in a grid. The icons include symbols for insert, update, quick view, find, run SQL, and copy data to table. A red arrow points from the 'Action' column of the first row in the screenshot to this detailed view.

- Insert
- Update
- Quick View
- Find (new in V5R4)
- Run SQL
- Copy Data To Table

Tables – work with iSeries database information

Servlet version

Run SQL has new destination option

- **Store the output to the iSeries Integrated File System (IFS)**

The screenshot displays the 'Run SQL' interface in the iSeries Access for Web environment. The top navigation bar shows 'User: CMINER' and 'System:'. The left sidebar contains a menu with categories like 'My Home Page', 'Database', 'Files', and 'Related Links'. The 'Files' category is expanded, and a red arrow points from the 'Files' menu item to the 'Integrated File System' option in the 'Destination' dropdown menu. The main content area is titled 'Run SQL' and includes a 'SQL Statement' text area, a 'SQL Wizard' button, and 'SQL Output' settings. The 'SQL Output' settings are configured with 'Type: Preview', 'Destination: Browser', 'Format: Integrated File System', 'Date: 11/17/05', and 'Time: 2:43:08 PM'. The 'Connection' dropdown is set to 'IBM Toolbox for Java - LP126AB.RCHLAND.IBM.COM'. At the bottom, there are buttons for 'Run SQL' and 'Save Request...'. The 'SQL Statement Details' section is partially visible at the bottom of the page.

Database – share data source names

Servlet version

New in V5R4: Within the Customize tab, Database Connections link, you can now also set up to use **WebSphere data source names when creating database connections**

- This enables many different applications running under WAS to use the same data source connections.
- ***WAS data sources are pooled and managed by WAS and should scale better than our original database connections.***

iSeries Access for Web User: CMINER System: LP126AB.RCHLAND.IBM.COM

Edit Policies - Database Connections

Profile: CMINER

Default connection: IBM Toolbox for Java - LP126AB.RCHLAND.IBM.COM
Default derived from: Shipped default

Action	Connection	Derived From
	Connection: IBM Toolbox for Java - LP126AB.RCHLAND.IBM.COM Driver class: com.ibm.as400.access.AS400JDBCdriver JDBC URL: jdbc:as400://LP126AB.RCHLAND.IBM.COM;prompt=false;	Shipped default

[Add database connection](#)
Create a new database connection.

[Set default connection](#)
Set the default connection policy for this profile.

[Category list](#)
Return to the policies category list.

[Policies help](#)
View help for working with database connections.

IBM | iSeries | Service 5.4.0.05-19

Database: Import Query Requests

Servlet version

Bring your existing queries to a browser environment

Use the **Import Query** tool to bring them into iSeries Access for Web

- **IBM Query for iSeries (5722-QU1)**
- **DB2 Query Manager (5722-ST1)**

***QMQRYP and *QRYDFN are the query file types supported**

iSeries Access for Web User: CMINER System: LP126AB.RCHLAND.IBM.COM

Import Query

Specify the query file you want to import. The query contained in the query file will be converted to an iSeries Access for Web database request.

Note: The converted iSeries Access for Web database request could work differently than the original query file. Verifying the converted request is strongly recommended.

Query to Import

Query file:

Query type: DB2 UDB for iSeries Query Manager (*QMQRYP) ▼

Query file CCSID: Query for iSeries (*QRYDFN)
DB2 UDB for iSeries Query Manager (*QMQRYP)

Import Details

Query files of types *QMQRYP and *QRYDFN are supported. These query files are created by Query for iSeries and DB2 UDB for iSeries Query Manager. Queries of type form, queries of type procedure, and prompted queries, are not supported. Queries containing program variables or replacement variables are also not supported.

Related Links:

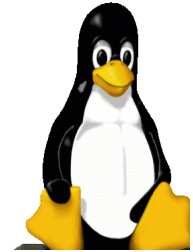
- iSeries Access for Web
- iSeries Access

Database – new spreadsheet format

New capability in both the servlet and portlet versions

**The OpenOffice spreadsheet format (.ods)
is now supported:**

- **Servlet version: *Run SQL and Copy Data to Table***
- **Portlet version: *Dynamic SQL, SQL Query, and the new SQL Requests***



Enhancements to the Portlet version

Portlet version

Database function

- **iSeries SQL**

- Requests has been added so you can create, save, manage, and run saved SQL requests.

- **iSeries SQL Results**

- A Viewer has been added so you can view the results of running a saved iSeries SQL request.

The screenshot shows a WebSphere Portal interface with a navigation bar at the top containing 'Welcome', 'My Work', 'My Finances', 'My Newsroom', 'My iSeries', and 'My Favorites'. Below the navigation bar is a breadcrumb trail: '5250 > IFrame Portlets > Files > Print > Database > Command'. The main content area contains four portlets:

- iSeries Database Table**: A portlet with a title bar and a description: 'Use edit mode to configure this function. If edit mode is not available, contact your system administrator.'
- iSeries SQL Query**: A portlet with a title bar and a description: 'Use edit mode to configure this function. If edit mode is not available, contact your system administrator.'
- iSeries Dynamic SQL**: A portlet with a title bar and a form for entering an SQL statement. The form includes a text input field and a 'Run SQL' button.
- iSeries SQL Requests**: A portlet with a title bar and a table of requests. The table has columns for 'Request' and 'Actions'. Above the table are buttons for 'Create Request' and 'Refresh'. Below the table is a pagination bar showing 'Showing 0 - 0 of 0 Page 1 of 1'.

At the bottom of the page, there is a portlet titled **iSeries SQL Results - Viewer** with a description: 'Use the iSeries SQL Requests portlet to select a request to run.'



- My Folder
- **Print**
- Messages
- Jobs
- 5250
- Database
- Files
- Commands
- Customize
- Downloads
- Mail

Work with Printer Output

<http://<myiseries>/webaccess/iWASpool>

My 'printer output'

Actions include:

- Work with
- View
- View As
- View PDF

Easy-to-use GUI for working with my printer output

- Don't need to sign onto a 5250 session, and run commands to get to spool file

The screenshot shows the 'iSeries Access for Web' interface. The title bar indicates 'User: cminer System: LP120AB.KCHLAND.IBM.COM'. The main content area is titled 'Printer Output for cminer'. On the left, there is a navigation menu with options like 'My Home Page', 'My Folder', 'Print', 'Messages', 'Jobs', '5250', 'Database', 'Files', 'Command', 'Download', 'Customize', and 'Other'. The 'Print' section is expanded, showing a tree view of printer-related items. The main area displays a table of printer jobs with the following columns: File Name, User, Creation Date/Time, Pages Per Copy, Copies, Status, Action, User, Job Name, Job Number, and File Name. The table contains 10 rows of data, all showing a status of 'Ready'.

File Name	User	Creation Date/Time	Pages Per Copy	Copies	Status	Action	User	Job Name	Job Number	File Name
QSYSVRT	CMINER	12/15/05 4:31 PM	1	1	Ready	...	CMINER	CMINERO	502274	
QSYSVRT	CMINER	12/15/05 4:31 PM	1	1	Ready	...	CMINER	CMINERO	502274	
QSYSVRT	CMINER	12/15/05 4:32 PM	1	1	Ready	...	CMINER	CMINERO	502274	
QSYSVRT	CMINER	12/15/05 4:39 PM	1	1	Ready	...	CMINER	CMINERO	502274	
QSYSVRT	CMINER	12/15/05 4:41 PM	1	1	Ready	...	CMINER	CMINERO	502274	
QPRINT	CMINER	12/15/05 4:48 PM	1	1	Ready	...	CMINER	QIWAPDFSTR	502281	
QPRINT	CMINER	12/15/05 4:50 PM	1	1	Ready	...	CMINER	QIWAPDFSTR	502285	
QPRINT	CMINER	12/15/05 4:52 PM	1	1	Ready	...	CMINER	QIWAPDFSTR	502287	
QPRINT	CMINER	12/15/05 4:57 PM	1	1	Ready	...	CMINER	QIWAPDFSTR	502291	

E-mail PDF output

E-mail is integrated with iSeries Access for Web

- Your mail server can be anywhere in your network
- Users receiving your e-mail need only an e-mail address

User selects an option in the Printer Output screen to 'e-mail PDF output'

- The PDF document is then included in the e-mail
- Sender's e-mail address filled in; user only needs to address it.

The screenshot shows the 'iSeries Access for Web' interface. On the left is a navigation menu with options like 'My Home Page', 'My Folder', 'Print', 'Messages', 'Jobs', 'Database', 'Files', 'Command', 'Download', 'Customize', and 'Other'. The 'Print' section is expanded, showing 'Printer output', 'PDF printer output', 'Printers', 'PDF printers', 'Internet printers', 'Internet printer shares', 'Printer shares', and 'Output queues'. The main area is titled 'Convert Printer Output to PDF' and contains a form with the following fields: 'From: cminer@us.ibm.com', 'To: louie@abc.net', 'cc:', 'bcc:', and 'Subject: Your Invoice'. Below the form is a text area containing the message: 'Here is the invoice for the boat you have ordered.' At the bottom, there is an 'Attachment: QSYSVRT.502274.CMINER.CMINER0.1.PDF' and two buttons: 'Send' and 'Cancel'.

The screenshot shows an invoice document titled 'Access for Water'. The header includes the company name and logo. The recipient information is: 'To: Joe Customer, 1234 Besch Street, Hometown, CA 12345'. The date is 'Thursday, June 13, 2002'. The invoice number is '9876543' and the payment due date is 'Monday, July 15, 2002'. The main body of the invoice is a table with columns for Description, Part No, Quantity, Price, and Amount. The items listed are: 'Hunter 33.5' (Part No: 004356, Quantity: 1, Price: \$57,900.00, Amount: \$57,900.00), 'Boat trailer' (Part No: 199234, Quantity: 1, Price: \$1,800.00, Amount: \$1,800.00), and 'Boat anchor' (Part No: 043993, Quantity: 1, Price: FREE, Amount: \$0.00). The subtotal is \$59,700.00, tax is 7.00%, and the total is \$65,879.00.

Description	Part No	Quantity	Price	Amount
Hunter 33.5	004356	1	\$57,900.00	\$57,900.00
Boat trailer	199234	1	\$1,800.00	\$1,800.00
Boat anchor	043993	1	FREE	\$0.00
Subtotal				\$59,700.00
Tax				7.00%
TOTAL				\$65,879.00



IFS: Perform many tasks without going to 5250 or iSeries Navigator

Create Directories

- Can create directories under the Root, can open a directory and create directories under another directory

Can 'Work With' directories

- 'Edit Authorities' (as shown)
 - Note that when a directory is created *PUBLIC have full access to it
- 'Change Owner' of the directory
 - Default is the one who created it
- 'Change Primary Owner'
- 'Change Authorization List'
- Zip / Unzip

The image displays three overlapping screenshots of the iSeries Access for Web interface. The top-left screenshot shows the 'Directory Contents' page for the path /home/BROWN, listing various sub-directories like \$BEACH, \$BLDJAVA, etc. The top-right screenshot shows the 'Work With Directory' page for the same path, displaying metadata such as 'Modified: 1/11/06 6:53:03 PM' and 'Owner: CMINER', along with an 'Action' menu containing options like 'Edit authority', 'Change owner of this object', and 'Change primary group for this object'. The bottom screenshot shows the 'Edit Authority' page, which includes a table of current authorities and an 'Add Profile' section.

Profile	Read	Write	Execute	Existence	Management	Alter	Reference	Action
*PUBLIC	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
BROWN	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Remove
CMINER	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Remove

Files: “Browse File Share” Link

**New in V5R4:
Displays directory that
is identified in the
user’s Policy settings**

- **Shipped Default for
*PUBLIC is the QIBM
folder.**
 - **As QIBM is one
directory that
automatically ships with
a ‘share’ assigned**

The screenshot shows the 'iSeries Access for Web' interface. At the top, it displays 'User: cminer System: RCHLAND.IBM.COM'. The main content area is titled 'Directory Contents QIBM'. On the left, there is a navigation menu with options like 'My Home Page', 'My Folder', 'Print', 'Messages', 'Jobs', '5250', 'Database', 'Files', 'Command', 'Download', 'Customize', and 'Other'. The 'Files' section is expanded, showing 'Browse files', 'Browse file share', and 'File shares'. The main area contains links for 'Copy Files to Server' and 'Create Directory'. Below these, it states 'Found 6 directories. Found 0 files with a total size of 0 bytes.' A table lists the directories with columns for Name, Size (bytes), Type, Modified, and Action. The table contains six entries: 'include', 'locales', 'ProdData', 'tempo', 'UserData', and 'XML', all of which are directories. At the bottom, there is a 'Related Links' section.

Name	Size (bytes)	Type	Modified	Action
include		Directory	1/11/06 8:16:30 PM	
locales		Directory	1/11/06 8:13:53 PM	
ProdData		Directory	1/12/06 12:17:58 PM	
tempo		Directory	4/19/05 12:26:59 AM	
UserData		Directory	11/2/05 6:28:06 PM	
XML		Directory	8/17/04 11:45:11 PM	

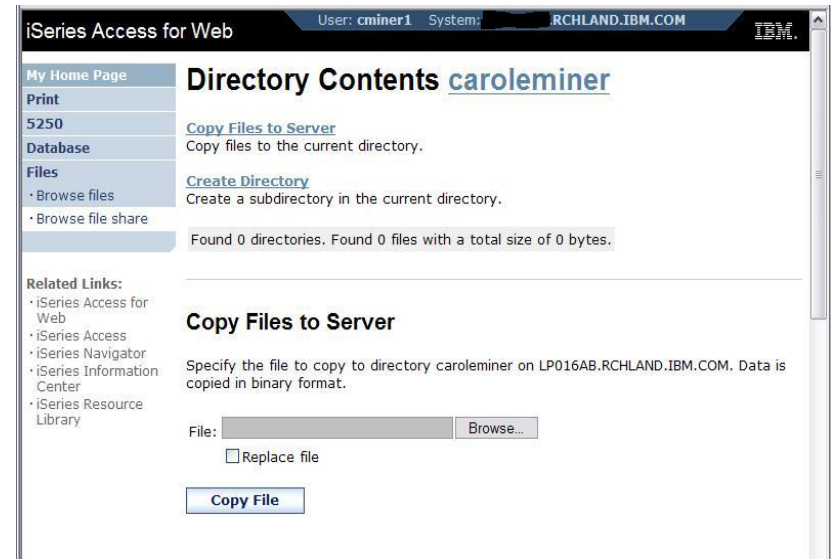
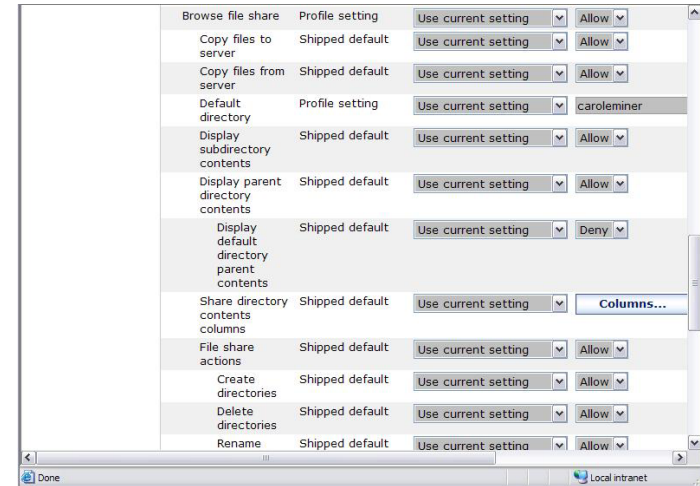
Browse File Share with Policy setting

Customize → Policies → Files

- Scroll down to 'Browse File Shares'
- Change directory from QIBM to another directory previously set up as a 'shared' directory
 - Note: Put in share name not directory name or path

Advantage over 'Browse Files'

- Already set up to Read Only or Read/Write
- Don't have to go into Policies and make any other settings



Enhancements to the Portlet version - Files

Portlet version

File function

- A Zip function has been added so you can zip files in the integrated file system.
- You can also add files to your zip file, extract them from an existing zip, and display the contents of a zip file in the integrated file system.

The screenshot shows the WebSphere Portal interface with the iSeries File List portlet. The portlet displays a directory listing with columns for Name, Size (bytes), Type, and Modified. The listing includes directories such as ASFTomcat, bin, dev, etc, home, InstallShield, lib, PSF400, QDLS, and QFileSvr.400. Below the listing is a 'Copy File to Server' section with a file input field, a 'Browse...' button, a 'Replace if exists' checkbox, and a 'Copy to Server' button. On the right side of the portlet, there are three sub-portlets: 'iSeries File List - Viewer', 'iSeries File List - Editor', and 'iSeries Zip File'. The 'iSeries Zip File' sub-portlet contains a 'Create Zip File' button and instructions on how to work with existing zip files.

Name	Size (bytes)	Type	Modified
ASFTomcat		Directory	10/5/05 6:17:52 AM
bin		Directory	10/4/05 1:53:45 PM
dev		Directory	10/4/05 1:53:44 PM
etc		Directory	10/5/05 8:14:52 AM
home		Directory	11/16/05 9:38:49 PM
InstallShield		Directory	10/4/05 4:38:21 PM
lib		Directory	10/4/05 1:56:34 PM
PSF400		Directory	11/15/05 9:53:29 AM
QDLS		Directory	10/4/05 1:46:56 PM
QFileSvr.400		Directory	10/4/05 1:46:57 PM



- My Folder
- Print
- Messages
- Jobs
- 5250
- Database
- Files
- Commands
- **Customize**
- Downloads
- Mail

Administration of Users

Servlet version

New in V5R4: Administrators can now transfer iSeries Access for Web configuration items between i5/OS user profiles on the same system

- This is useful if you wanted to replicate a category of configuration items to a different user (using Copy action) or transfer ownership of a category of configuration items to a different user (using Move action).
- The configuration items supported are: **5250 session configurations and macros, saved commands, database requests, My Folder items, and policies.**

The screenshot shows the 'iSeries Access for Web' interface. On the left is a navigation menu with items like 'My Home Page', 'My Folder', 'Print', 'Messages', 'Jobs', '5250', 'Database', 'Files', 'Command', 'Download', 'Customize' (with sub-items: Preferences, Policies, Settings, Transfer configuration), and 'Other'. The main content area is titled 'Transfer Configuration Data'. It includes sections for 'Profiles' with 'From profile:' and 'To profile:' fields and 'Browse...' buttons; 'Action to Perform' with radio buttons for 'Copy' (selected) and 'Move'; 'Data to Transfer' with checkboxes for '5250 sessions', '5250 macros', 'Commands', 'Database requests', 'Folder items', and 'Policies'; and a 'Transfer Data' button. At the bottom, there are 'Related Links' and a 'Transfer configuration data help' link with the text 'View help for transferring configuration data.'

Administration of Users

Servlet version

To copy customized profile settings from one System i to another System i, you need to use the Export function to put them in a PC file, then use the Import function to put the profile settings on another iSeries.

- This is useful if you wish to create user group profiles (such as SALES, SECRETARY, etc) and set them up similarly on a variety of systems.

iSeries Access for Web User: CMINER System: L

My Home Page

- My Folder
- Print
- Messages
- Jobs
- S250
- Database
- Files
- Command
- Download
- Customize
 - Preferences
 - Policies
 - Settings
 - Transfer configuration
- Other

Policies

Specify the profile you want to edit.

Profile: CMINER

[User profiles](#)
Work with the user profiles you are authorized to customize.

[Group profiles](#)
Work with the group profiles you are authorized to customize.

[Import policies](#)
Import policies from a file into iSeries Access for Web.

[Export policies](#)
Export policies from iSeries Access for Web to a file.

[Policies help](#)
View help for working with policies.

Related Links:

- iSeries Access for Web
- iSeries Access
- iSeries Navigator
- iSeries Information Center
- iSeries Resource Library

IBM | iSeries | Service

Authentication to i5/OS

New capability in both the servlet and portlet versions

Support for Single sign-on (SSO)

- **Previously, iSeries Access for Web used only HTTP basic authentication to retrieve the user-ID and password from the user.**
 - Since this profile information could not be shared with other iSeries web-based applications, this often resulted in the user being prompted multiple times from different applications for the same user-ID and password information.
- **iSeries Access for Web now supports the WAS security model so that single sign-on can be accomplished amongst WAS applications.**
 - This then ties into the i5/OS SSO support (i.e., identity tokens that hold user credentials such as password, certificates, EIM that maps a non-iSeries user to an iSeries user profile, and LDAP as the user repository) on the iSeries.
- **New configuration parameters are used to set up this type of environment.**

Authentication to i5/OS

New capability in both the servlet and portlet versions

The 5250 emulator function now includes:

- A checkbox on the 5250 *Start Session* function to Bypass Signon.
 - This enables users to bypass the i5/OS sign-on screen.
- (Note: the bypass sign-on feature cannot be used if iSeries Access for Web is configured to use application server authentication.)

iSeries Access for Web User: CMINER System

My Home Page

- My Folder
- Print
- Messages
- Jobs
- 5250
 - Active sessions
 - Configured sessions
 - Start session
- Database
- Files
- Command
- Download
- Customize
- Other

Start Session

Server ?

Server: LP126AB.RCHLAND.IBM.COM

Port: 23

Code page: 37

Workstation ID ?

Use user ID

Specify workstation ID

Avoid duplicates for this user

Avoid duplicates with other users

General ?

Initial macro: [dropdown]

Bypass signon

Display HTML data in fields

Start Session

Related Links

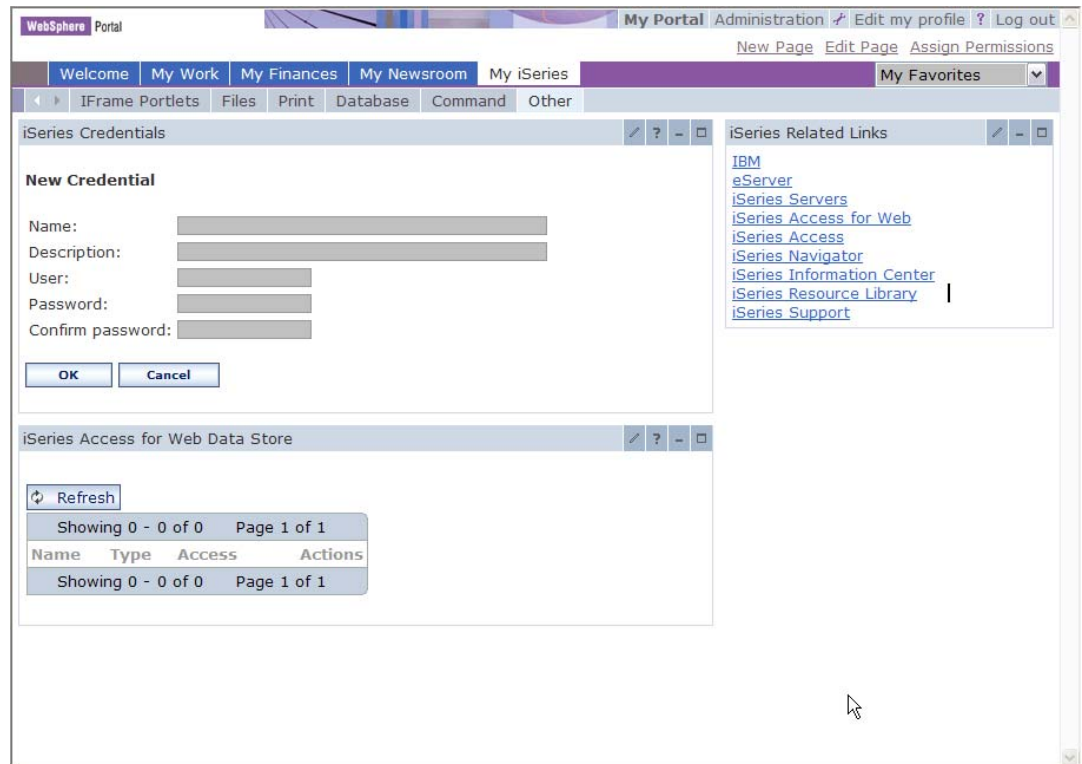
- iSeries Access for Web
- iSeries Access
- iSeries Navigator
- iSeries Information

Enhancements to the Portlet version

Portlet version

i5/OS Credentials

- **Users can now change their i5/OS user profile password through iSeries Access for Web**
- **It will additionally update the defined vault credentials to match the new password value.**



V5R4 iSeries Access for Web Enhancements

Both Servlets and Portlets	Servlets	Portlets
<p>Authentication</p> <ul style="list-style-type: none"> ▪ Support Single sign-on (SSO) using WAS security model (EIM, LDAP) ▪ 5250 Bypass i5/OS sign-on screen <p>Database</p> <ul style="list-style-type: none"> ▪ Support for OpenOffice Spreadsheet format (.ods) <p>5250</p> <ul style="list-style-type: none"> ▪ Support DDS HTML keywords ▪ Display HTTP/HTTPS URL strings as links 	<p>Database</p> <ul style="list-style-type: none"> ▪ Import/run DB2 Query Manager and IBM Query for iSeries queries ▪ A new output destination of IFS for SQL requests ▪ New option of 'Find' on Tables link <p>Administration</p> <ul style="list-style-type: none"> ▪ Can transfer configuration items between i5/OS user profiles ▪ Can use WebSphere data source names for database connections <p>Files</p> <ul style="list-style-type: none"> ▪ Browse File Share link added 	<p>Database</p> <ul style="list-style-type: none"> ▪ iSeries SQL Requests added ▪ iSeries SQL Results Viewer added <p>Files</p> <ul style="list-style-type: none"> ▪ Zip function added <p>iSeries Credentials</p> <ul style="list-style-type: none"> ▪ Can change i5/OS password via iSeries Access for Web

iSeries Access for Web has many entry points

Can enter at many different pages

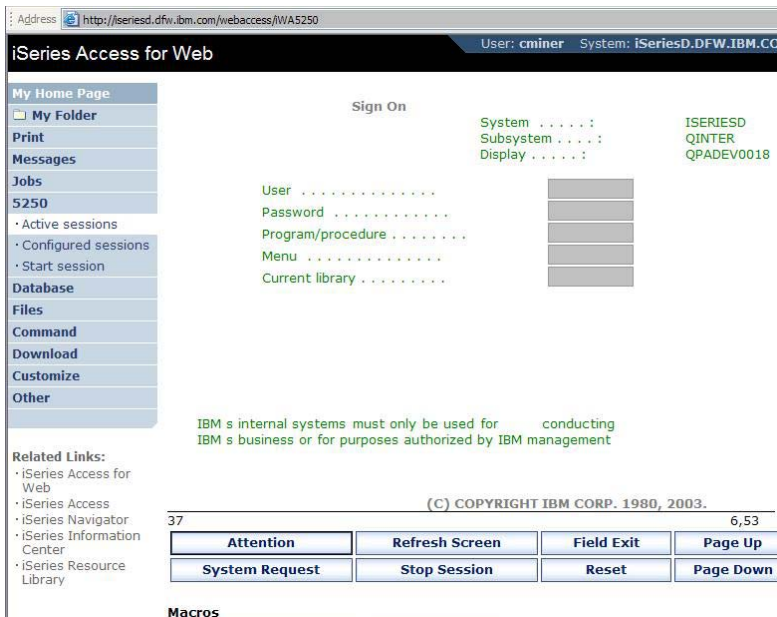
Can use navigation bar to move from function to function

<http://<myiseries>/webaccess/iWA5250>

<http://<myiseries>/webaccess/iWAMain>



<http://<myiseries>/webaccess/iWASpool>



Your **Window** to your System i

<http://<myseries>/webaccess/iWAHome>

Customized 'window' to i5/OS

Home page is associated with i5/OS user profiles

- An administrator can create multiple different 'windows' based on user profile / group profile for different types of users.
- Can tightly control what functions a user can perform on your iSeries
- Tie in with other web applications (such as WebFacing and HATS) from here as well
- Link to other systems, not just System i



- *One view and set of functions for the Accounting department*
- *Another view and set of functions for the Warehouse staff*

Customized Home Page

Customized view of the Home Page

- Could be used as 'entry' point to System i

The screenshot shows a web browser window with the address bar displaying `http://iseriesd.dfw.ibm.com/webaccess/iWAHome`. The browser's address bar includes a search field and several utility icons like Smiley Central, Screensavers, Cursor Mania, PopSwatter, Games, and My Info. The main content area is titled "Access for Water" with the tagline "Supplying quality boats since 2002".

The page is organized into three main columns:

- Services:** A list of links including "See boat details - 5250", "See boat details - HATS LE", "See boat details - WebFacing", "View available boats", "Order a boat", "Work with invoices", "Check messages", "Check system messages", "Administrator tasks", "Manage incoming items", "Monitor jobs", and "Download client software".
- This Week's Special:** Features a photograph of a white boat and text describing a "Beautifully maintained 28 foot 1978 Carver Santa Cruz for only \$23,900. Head and galley refurbished in 2001. Only 31 hours on completely rebuilt motor. Click [here](#) to see this boat cruising the seas."
- Site Support:** Contains text encouraging user feedback: "Your comments are important to us. Please let us know if you have any questions or if we can help you in any way. Address your message to user BOATHELP. [Send us a message](#)". It also provides contact information: "If you prefer to contact us directly, use our [telephone directory](#) to lookup phone numbers and e-mail addresses."

At the bottom right, there is a "Weather Conditions" section with a map of the United States showing weather forecasts for various cities. The map is color-coded by region and includes icons for sun, clouds, and rain. The text above the map asks, "Is it a great day for boating? Check out today's forecast."

<http://iseriesd.dfw.ibm.com/webaccess/iWAHome>

Try out iSeries Access for Web for yourself!

Start your browser and connect to the following web site:

<http://iseriesd.dfw.ibm.com/webaccess/iWAHome> (case sensitive)

<p>User ID = WACUST</p> <p>Password = DEMO2PWD</p>	<p>This shows the basic look of Access for Web as we ship it. You can try various functions -- including working with printer output, creating database requests, etc. Click on the 5250 tab, sign onto the iSeries, then start an RPG application called BOATS and run it.</p>
<p>User ID = BOATADMIN</p> <p>Password = DEMO2PWD</p>	<p>This is an example of how a customer might design a web page for their use. You will see that an end user could start the same BOATS application by clicking on the 5250 session, or they could have used HATS to run the application. You will also see other links that would let a user work with spoolfile information, work with IFS, run database requests, etc..</p>

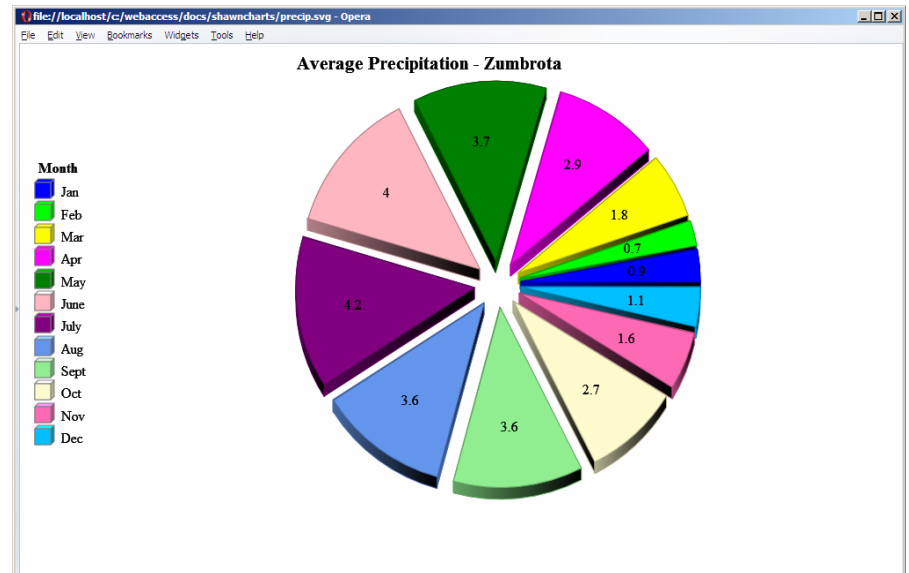
Send email to: LLHIRSCH@us.ibm.com to reset the user profiles on the system if either one gets disabled.

What's coming in the next release?

System i Access for Web

- Single sign-on: WAS and Access for Web support authentication using Windows domain login
- SQL wizard supports joins of multiple tables
- Chart SQL results in Scalable Vector Graphics (SVG) format
- Automation and scheduling of Access for Web tasks
- JSR 168 Portlets

Web: SQL results in SVG format



Please submit requirements through FITS

Best way to get new function into our products!



Functional enhancements can be submitted via the FITS system.

Go to the iSeries Access home page:

<http://www.ibm.com/systems/i/software/access/>

And click on link [Request for Design Change](#)

Summary

The way to work with your System i is through an easy-to-use and powerful GUI..

- Your desktop solutions will 'look great'...
- You have leading technology at your fingertips that bring exceptional productivity benefits...
- You can easily expand your business to the Web

As one customer said ‘ *a definite “got to have” product for any serious System i shop* ’



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