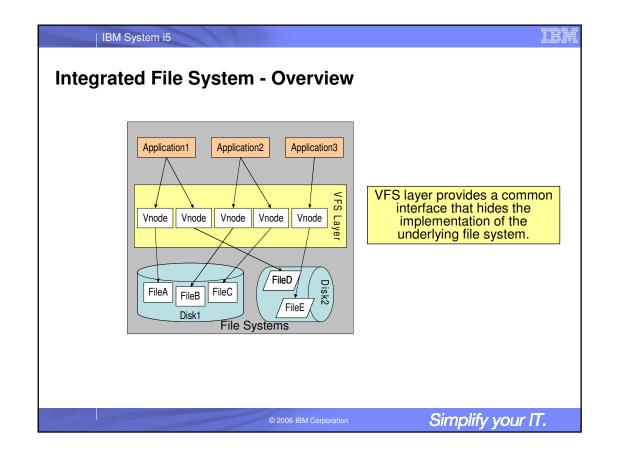
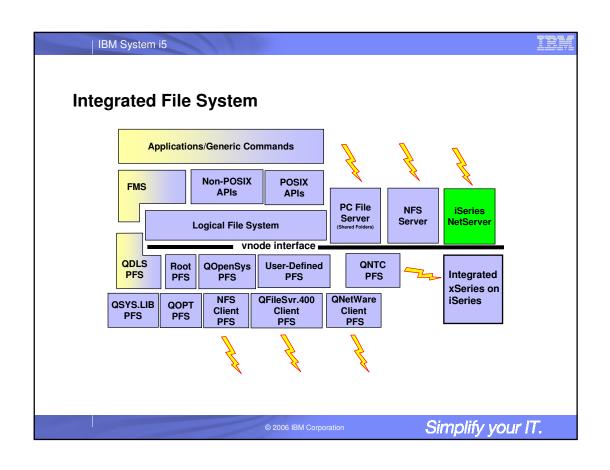
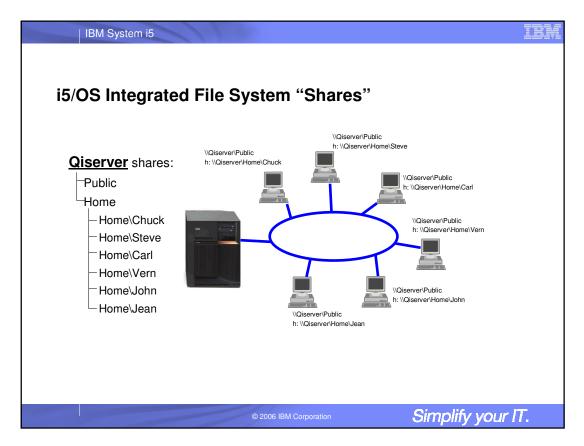


What is iSeries NetServer? © 2006 IBM Corporation Simplify your IT.







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iSeries NetServer Scenarios

- Copying files in the Integrated File System (IFS)
 - Each branch stores data in their directory (ex: /corp/Branchnn)
 - Home office uses iSeries NetServer to copy .xls files to corporate directory (ex: /corp/home)
 - Home office uses Excel to work with branch data.
- PC scanning application stores data in IFS
 - Vehicle titles are scanned using PC attached scanner.
 - Scanning app stores files to a share mapped to iSeries NetServer.
 - Images are archived using iSeries Sav/Rst functions.

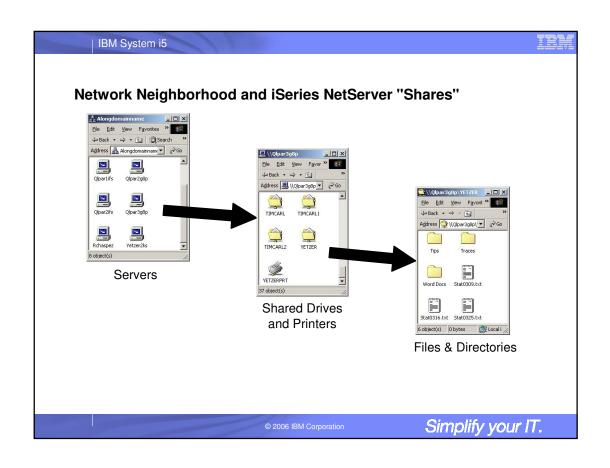
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•File and print serving for Common Internet File System (CIFS) clients
•Windows 98, NT 4.0, ME, 2000, XP, 2003
•Linux Samba 3.0+
•Compatible with Microsoft Networking and SAMBA
•Part of the base IBM i5/OS™
•Uses TCP/IP for connectivity

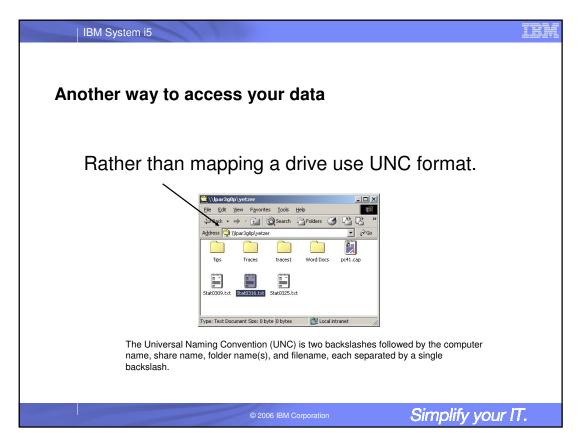
Using iSeries NetServer ○ 2006 IBM Corporation Simplify your IT.











iSeries NetServer Configuration ○ 2006 IBM Corporation Simplify your IT.





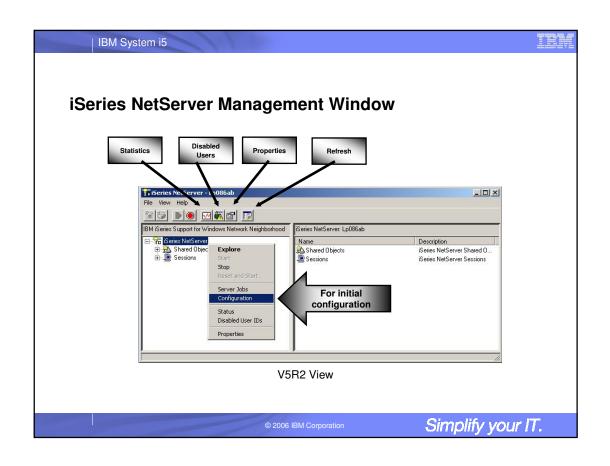
iSeries Setup - Prerequisites

- •TCP/IP support configured
- QSERVER subsystem started
 - -STRSBS SBS(QSERVER)
 - ★If using the subsystem support provided in V5R2, the alternate subsystems must be started as well.

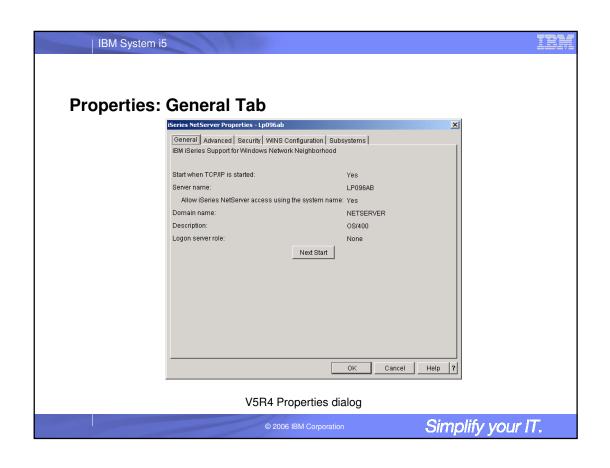
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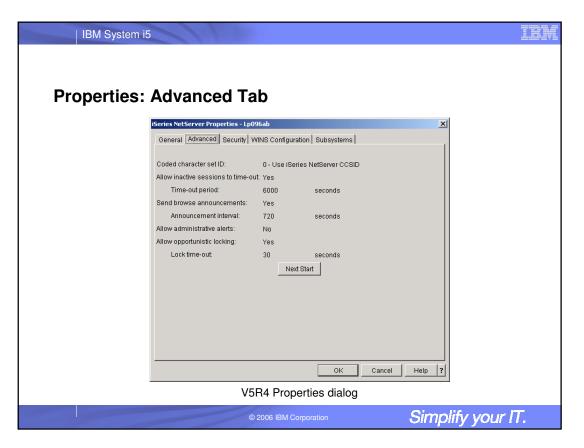
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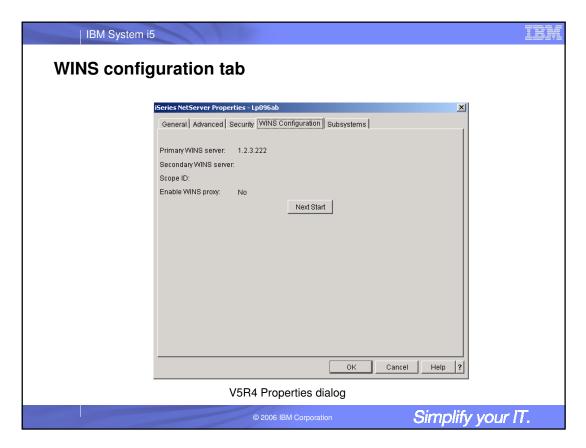


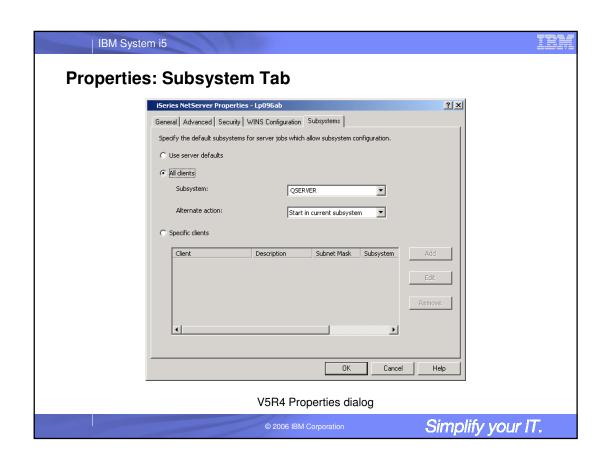


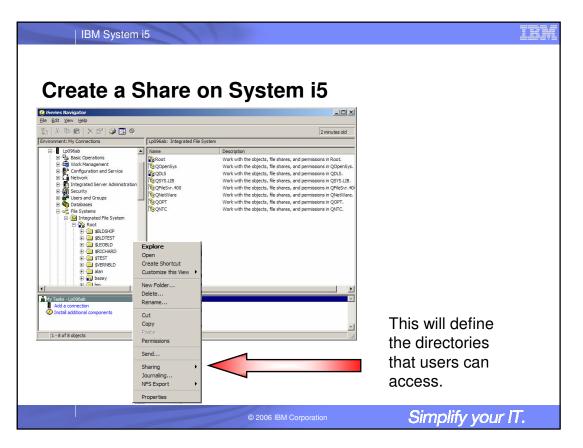


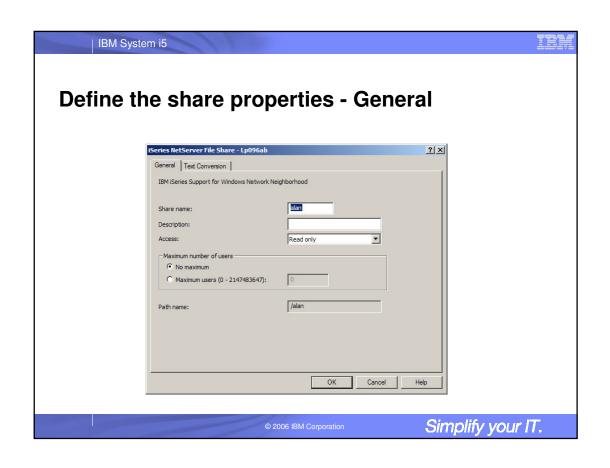


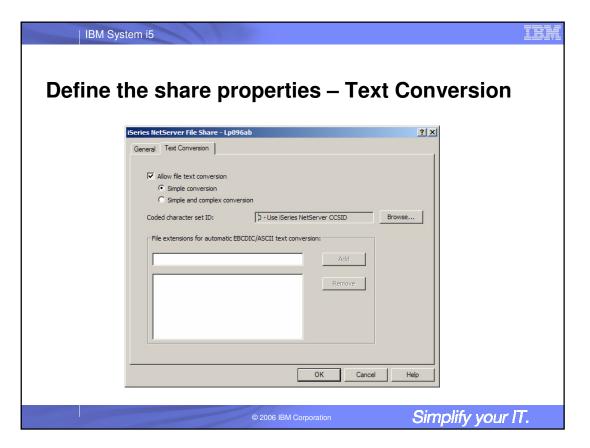


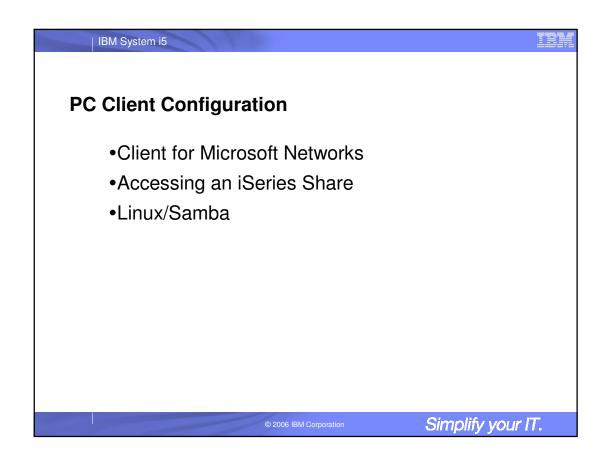


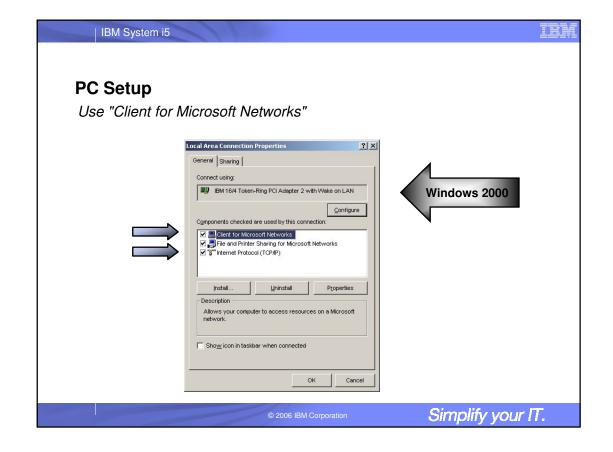


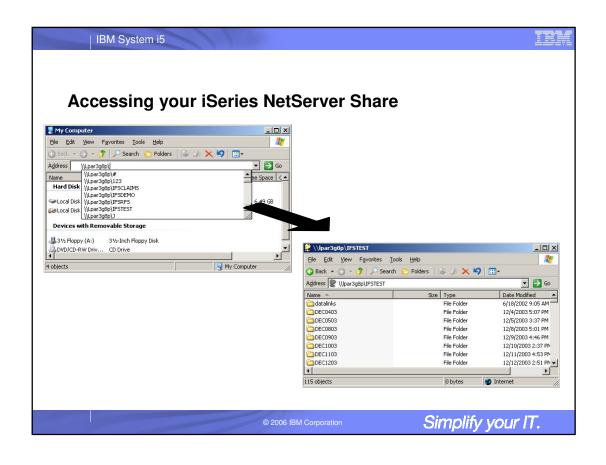










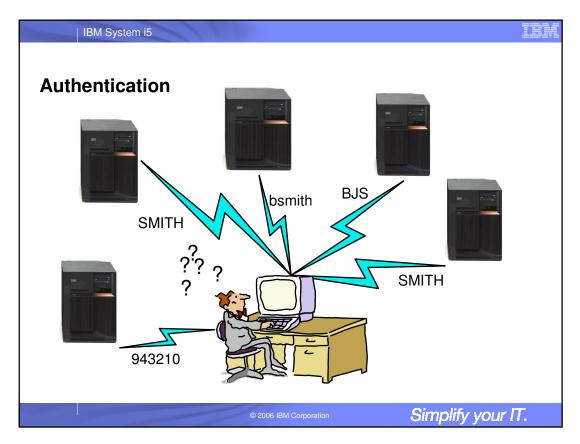


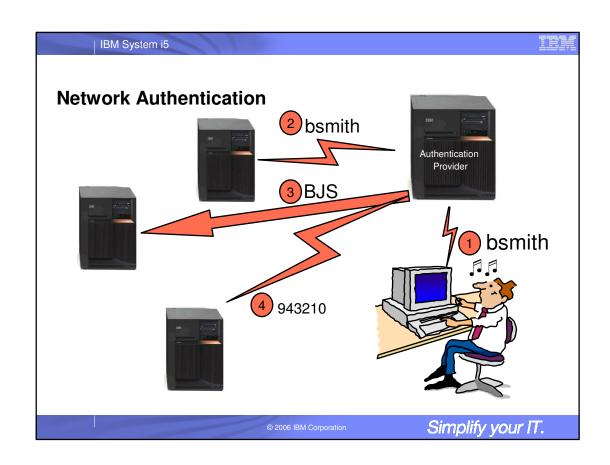


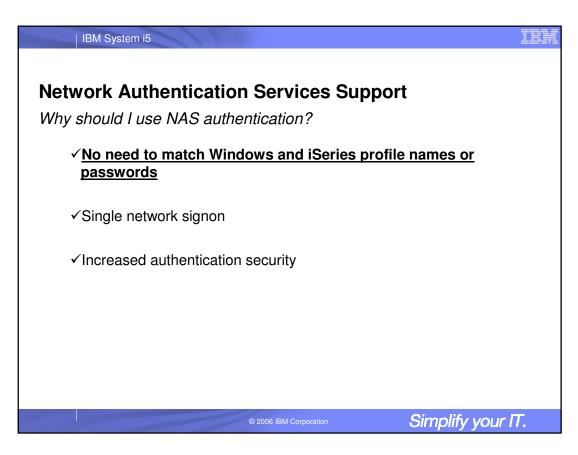
Linux / Samba •smbclient -smbclient //myNetServer/myShare -U username •smbmount -smbmount //myNetServer/myShare /usr/mnts/my400 -o username=smbUserName, password=myPasswd •use "man" for details

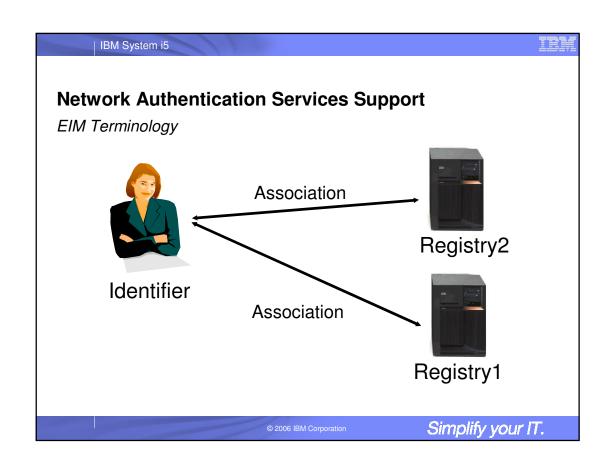


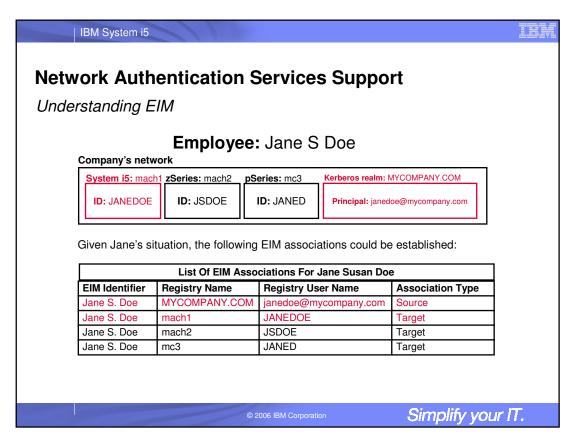


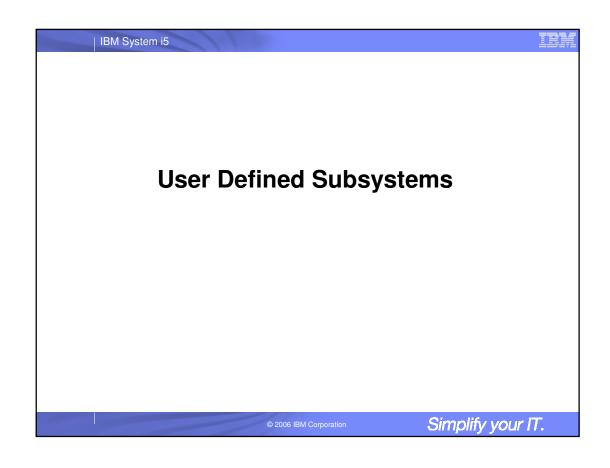


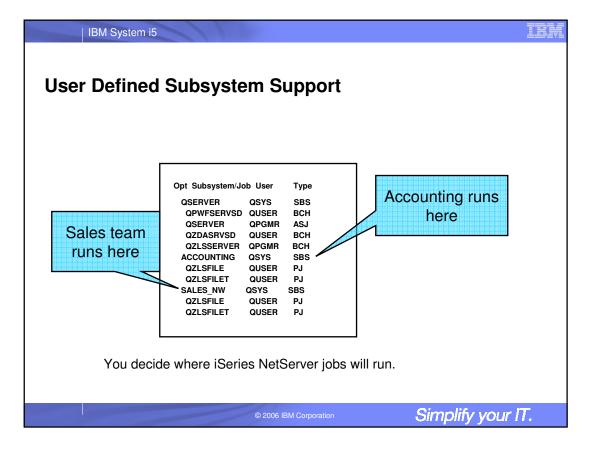


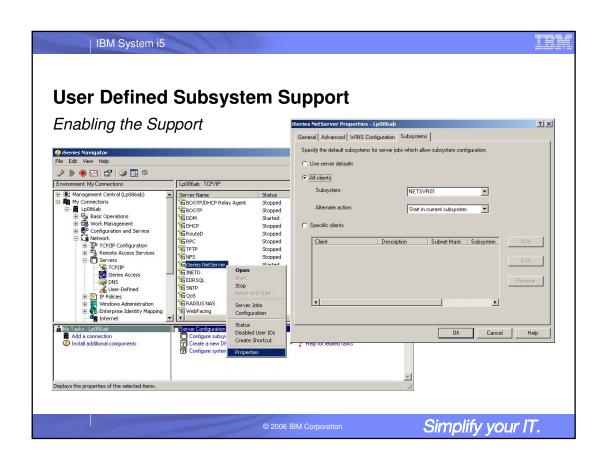






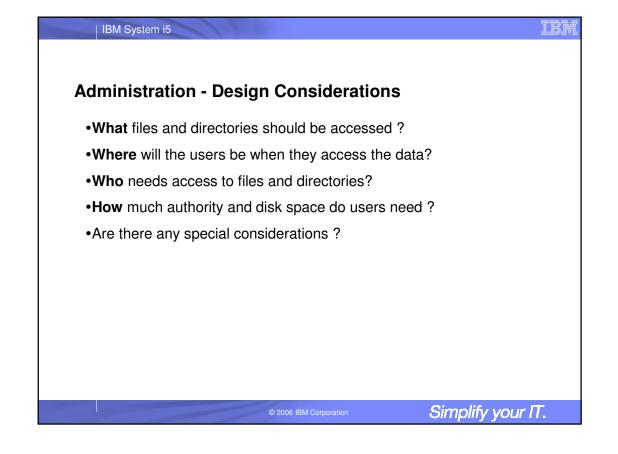


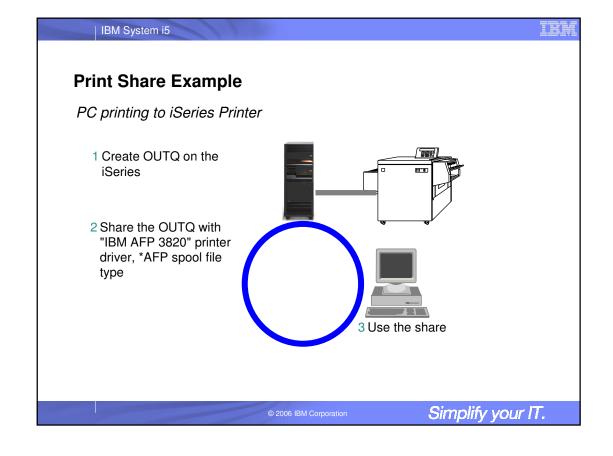


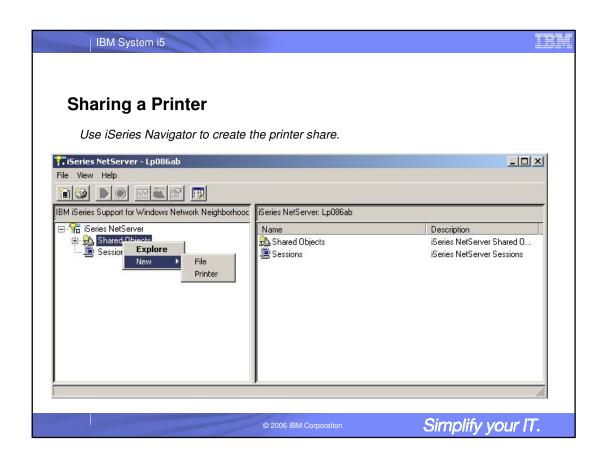


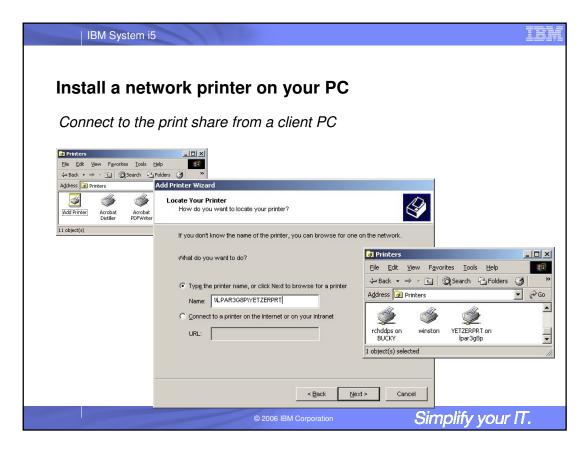


Administration - File Sharing • Designing a file sharing solution • Create the directory structure • Sharing Files and Printers • Text conversion •IFS directory permission considerations

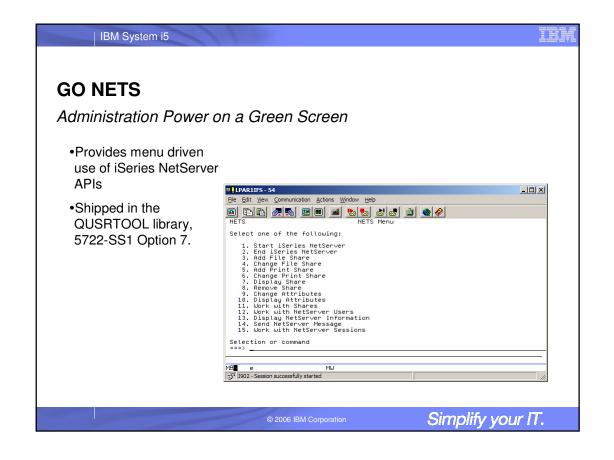




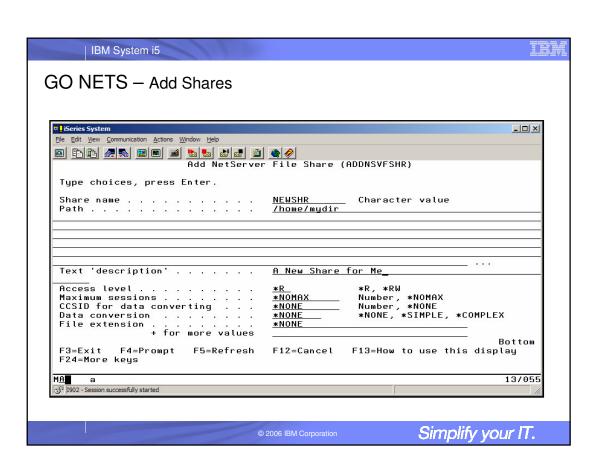


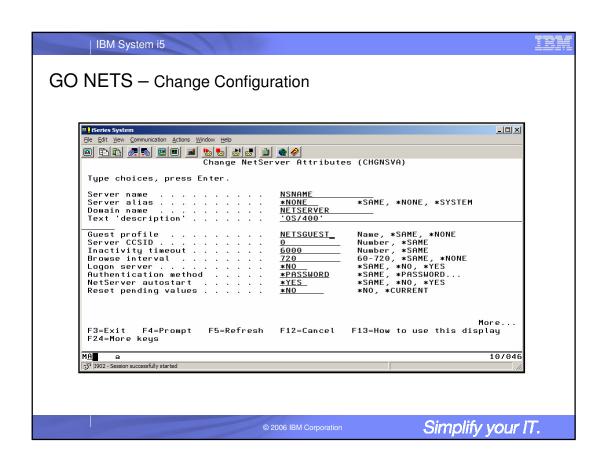


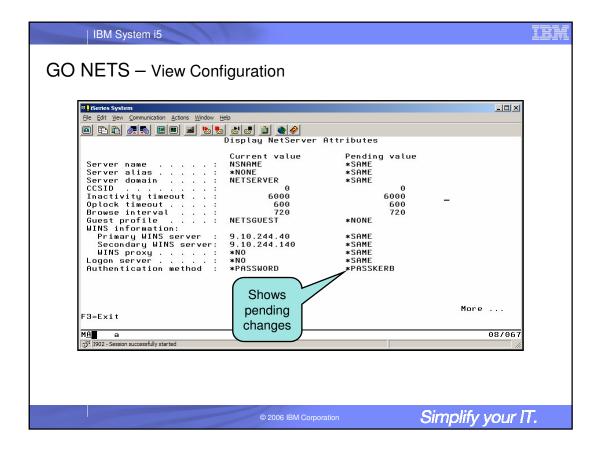
Administration - Managing Activity •GO NETS •DISABLED USERS •WORKING WITH JOBS • WORKING WITH JOBS

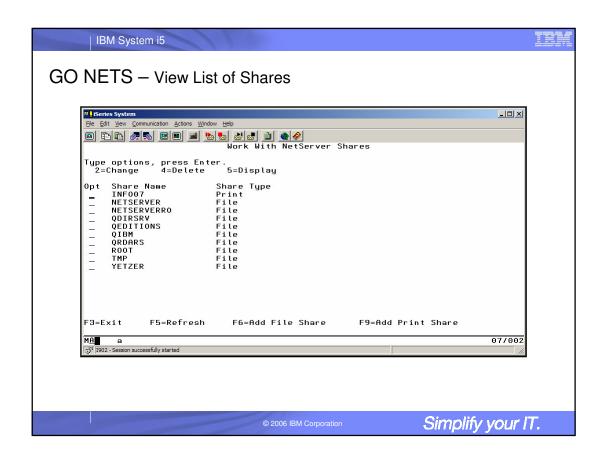


IBM System i5 **GO NETS** Setting up GO NETS •Follow these steps to build the GO NETS command tool into library NETSRVCMD. -Create the target library. NETSRVCMD may be replaced with the library name of your choice. CRTLIB LIB(NETSRVCMD) TEXT("iSeries NetServer menu and commands") -Expand the necessary files: • CALL QUSRTOOL/UNPACKAGE PARM('*ALL ' 1) –Create the installation program: CRTCLPGM NETSRVCMD/TZLSINST QUSRTOOL/QATTCL -Call the installer to create the GO NETS tool: CALL NETSRVCMD/TZLSINST NETSRVCMD –Add the new library to the library list: ADDLIBLE NETSRVCMD -Run the tool's menu interface. From now on, you need only type this command to bring up GO NETS function. GO NETS Simplify your IT.

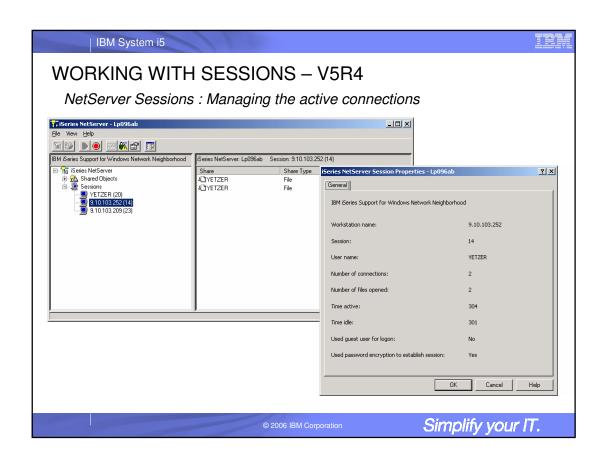




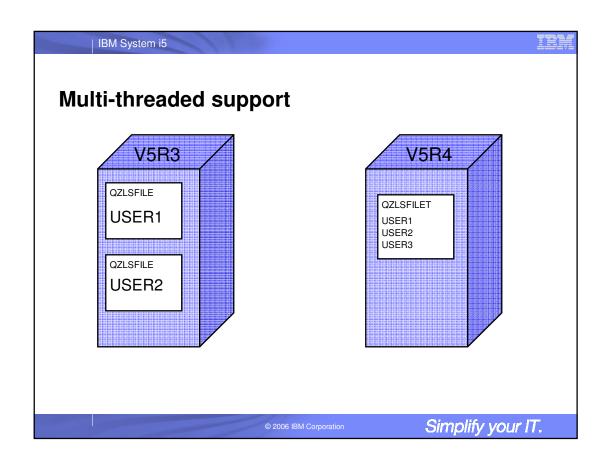


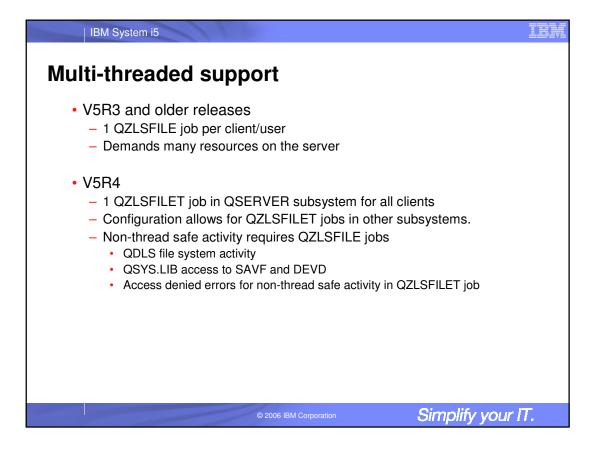












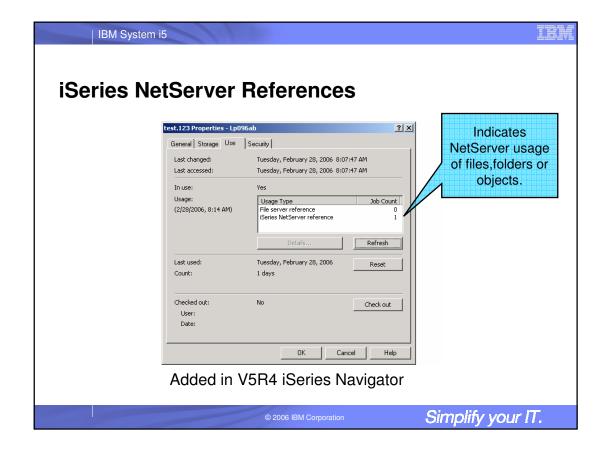
Multi-threaded Support

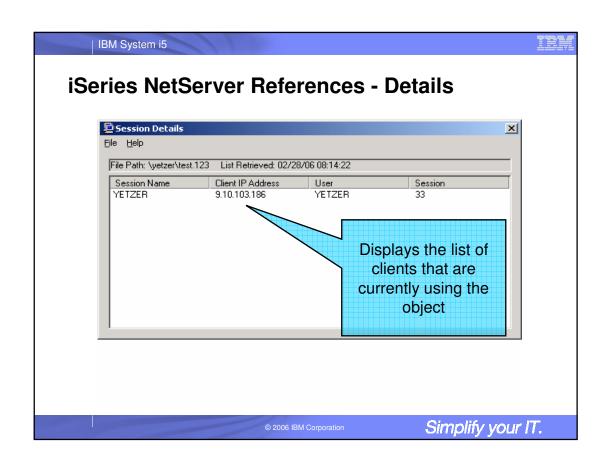
IBM System i5

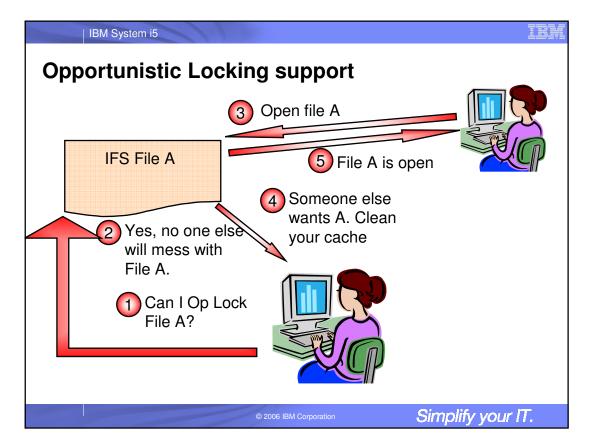
- To run in pre-V5R4 mode, end QZLSFILET job
 - RMVPJE SBSD(QSYS/QSERVER) PGM(QSYS/QZLSFILET)
- When running threaded it is not an option to end the file server job in order to end a client session.
 - Ending QZLSFILET to end all sessions
 - Use iSeries Navigator to end a specific session.
- QIBM_QPWFS_FILE_SERV exit point changes
 - ADDEXITPGM THDSAFE parameter also determines if server runs threaded
 - THDSAFE(*UNKNOWN) or THDSAFE(*NO) forces iSeries NetServer to run a client session non-threaded (in a QZLSFILE job)
- iSeries NetServer references on IFS Properties page

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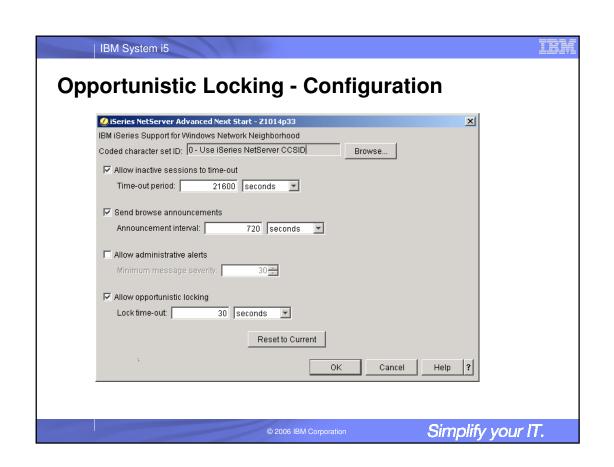
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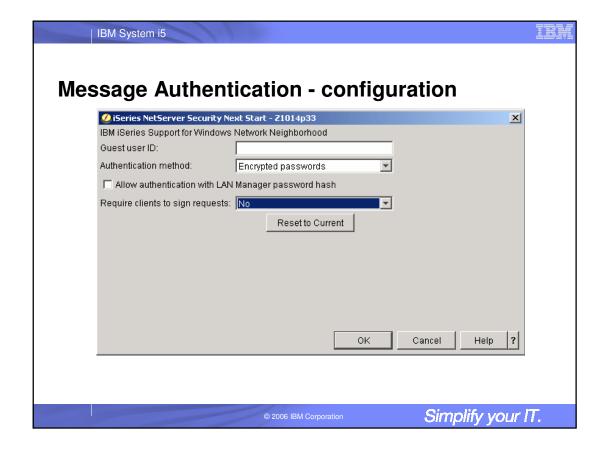
Opportunistic Locking support CIFS protocol mechanism for client-side caching of file data. Client locks the file - server breaks the lock if another client wants to use the file. Server notifies original client when it needs to break the lock. New "Opportunistic Locking" parameter on iSeries NetServer configuration. Simplify your IT.



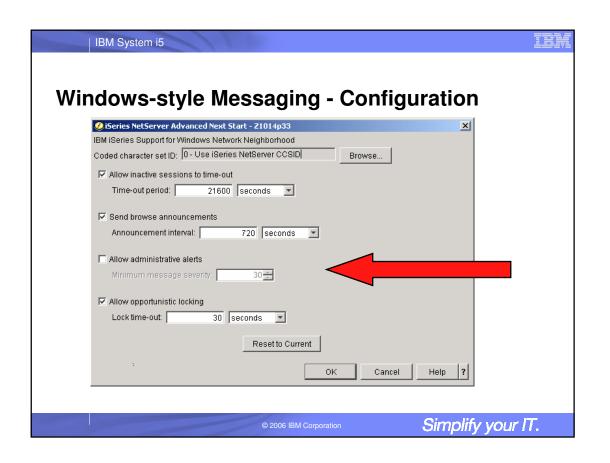
NetServer Scalabilty and Performance Improvement • When running in V5R4 mode (QZLSFILET jobs) significant improvements are possible • 30% improvement in throughput • V5R3 2way vs V5R4 2way • 20% improvement in response time • V5R3 2way vs V5R4 2way • V5R3 2way vs V5R4 2way



Message Authentication CIFS mechanism for protecting data transmissions between clients and servers (no data encryption). Requires equivalent support on clients 3 Configuration settings available No – Message authentication will not be used Optional - Based on client preference Yes - Required authentication



Windows-style Messages • iSeries NetServer can automatically send informational messages to users. • Password about to expire • Access is denied • Impromptu messages • Supported since V5R2 • Navigator configuration added in V5R4 • Administrative Alerts Yes/No • Minimum Message severity • Messenger Service must be started on client



IBM System i5

V5R4 Tracing Support

- New components added to STRTRC command
 - *FILESVR
 - *NETSVR
- Contains detailed data required by development for problem isolation.
 - STRTRC SSNID(IBMTRC) JOBTRCTYPE(*TRCTYPE)
 TRCTYPE((*NETSVR *INFO))

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Additional Resources

• iSeries NetServer Web Site:

- http://www.ibm.com/servers/eserver/iseries/netserver/

• Introduction Articles and Presentations

• What's New?

• Information APARs

• Links to Technical References

• Operations Navigator Instructions

• iSeries Infocenter

- http://publib.boulder.ibm.com/infocenter/iseries/v5r4

• The AS/400 NetServer Advantage Redbook: SG24-5196

IBM System i5



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