

Session: 480154

@server iSeries

Operations Console V5R3 Enhancements and More

Marvin Levi

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iSeries Operations Console V5R3 Enhancements and More

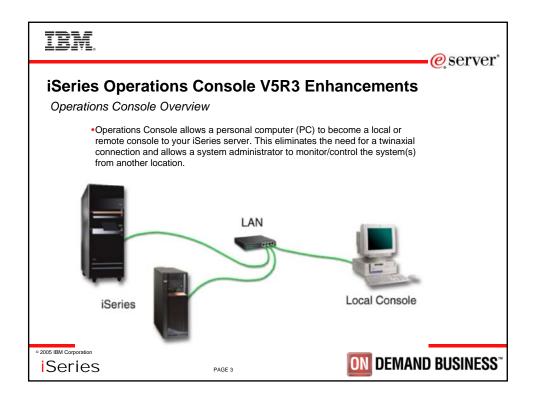
Topics

- Operations Console quick overview
- Connectivity Options and Configuration is easier
- •Requirements for Operations Console
- New property page features
- Remote Control Panel
- Console takeover and recovery
- LPAR Configuration
- Demo Twinax convert to LAN Console if time permits

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Requirements for Operations Console

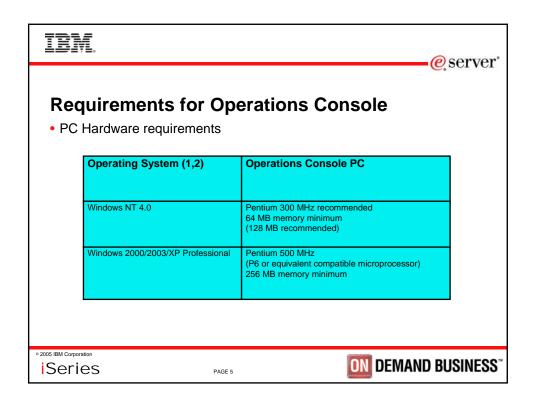
- PC Operating System
 - Windows 2000 Professional
 - Recommend Service Pack 4
 - Windows 2003
 - Windows XP
 - · Recommend Service Pack the latest
 - Windows 98 (not supported)
 - Windows Me(not supported)
 - Windows NT Workstation 4.0 or later, with Remote Access Service installed.
 - Requires Service Pack 6
- iSeries Access for Windows
 - Latest Service Pack available

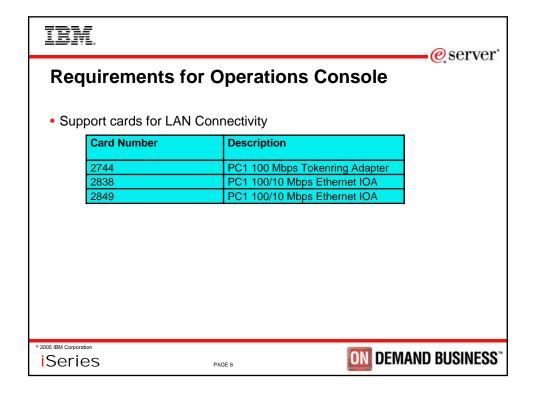
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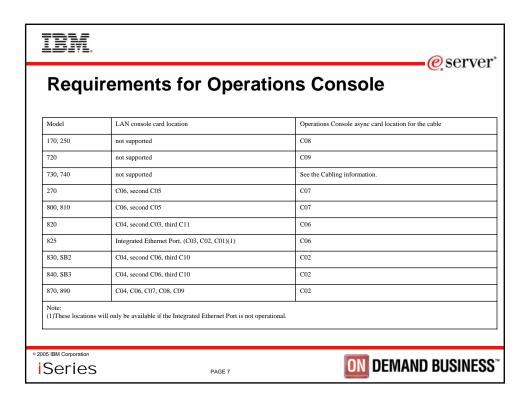
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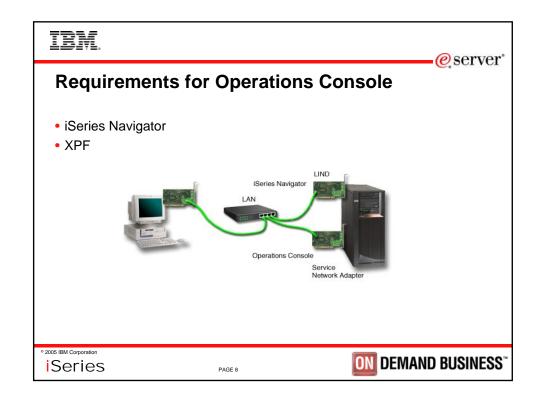
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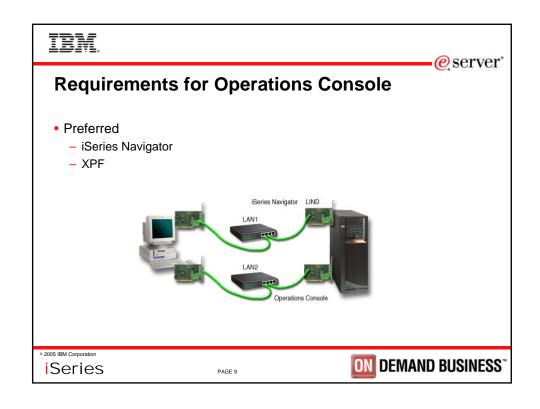


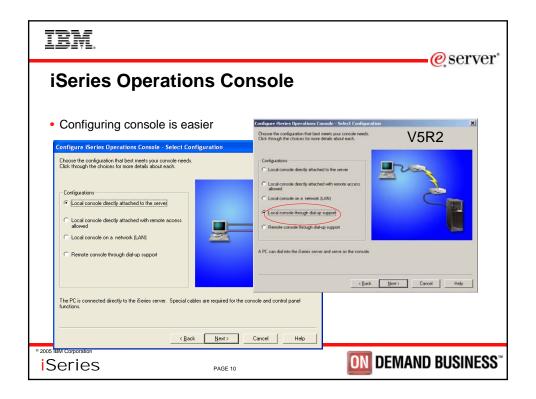


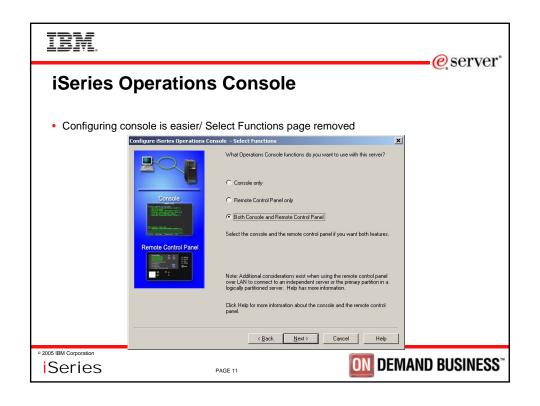


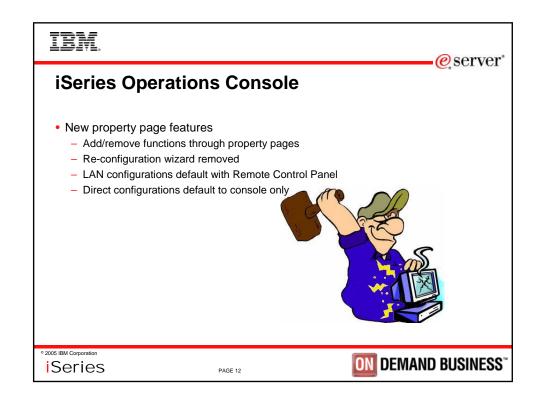


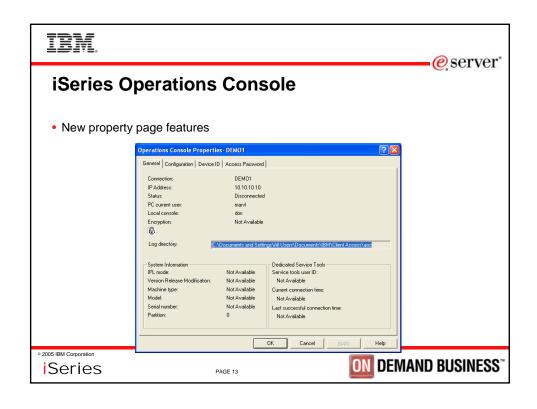


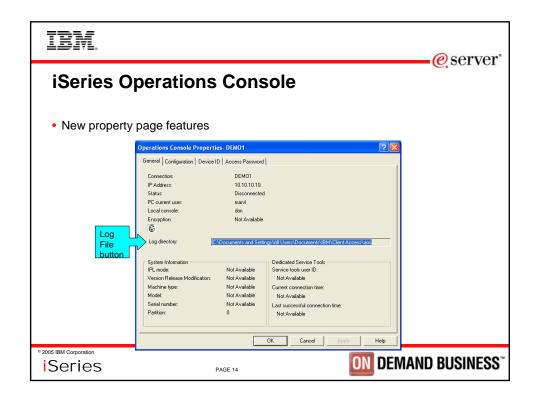


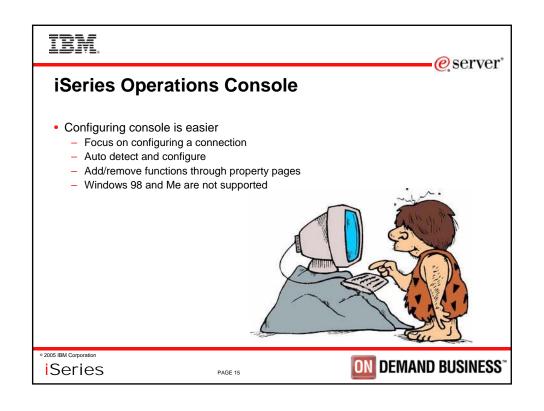


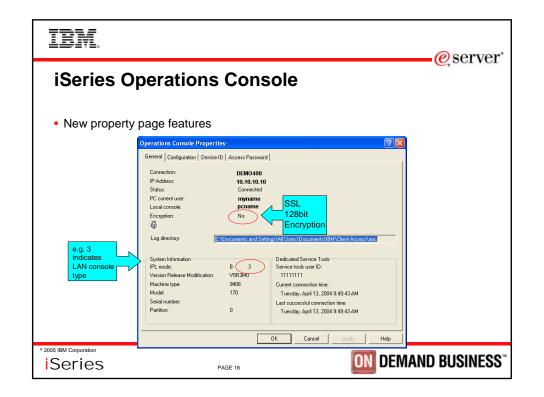


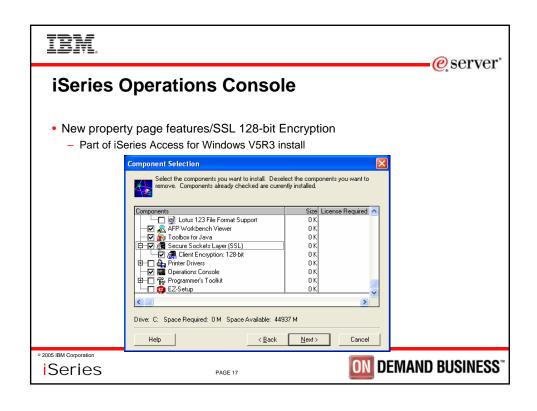


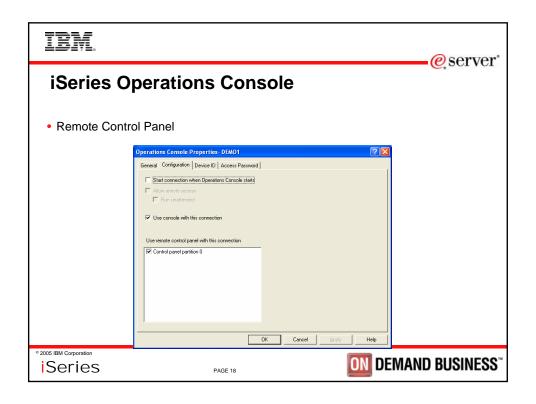


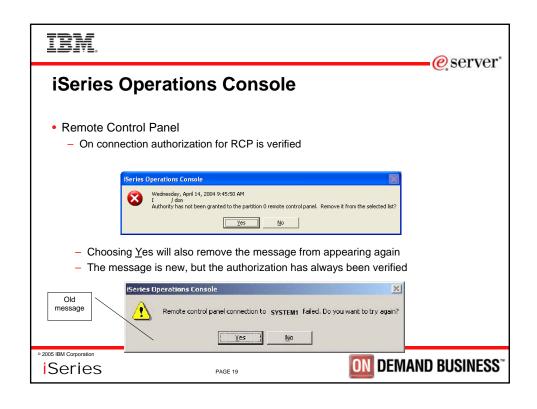


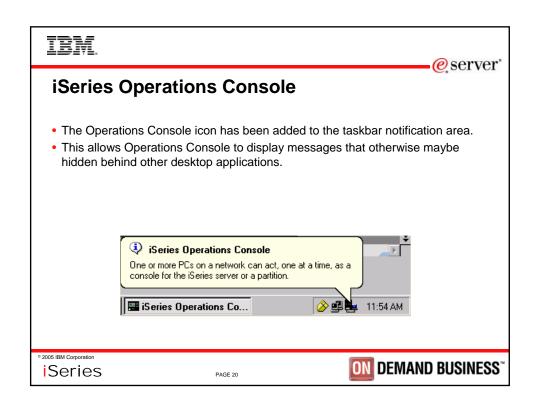


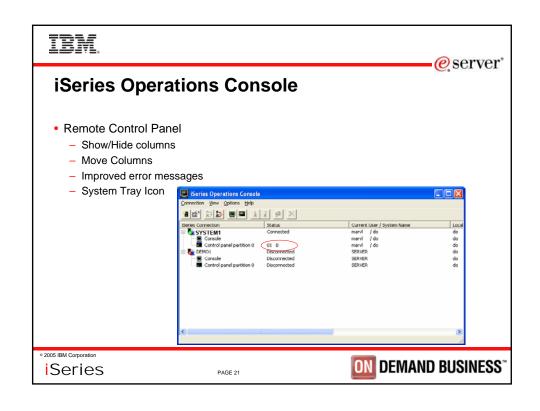


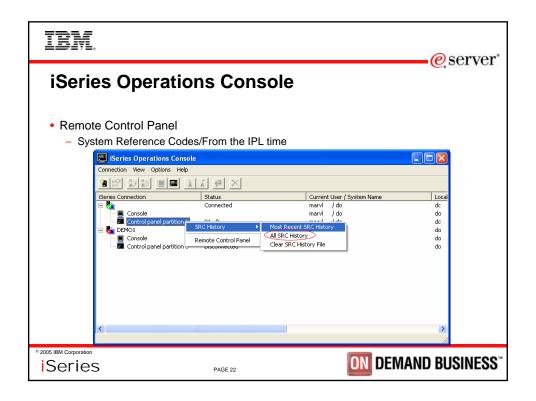












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iSeries Operations Console

- · Console takeover and recovery
 - Microsoft Winsock layer
 - Not an Alternate Console
 - Always get green on black
 - Console modes are honored
 - After a successful takeover, whether from the same device or a different device, all data sent to the console will be delivered
 - If the outage was long enough and there were many screens buffered, the screen refreshes will be rapid, but all screen data will be sent until the console is up-to-date
 - When the takeover option is turned off a console-capable device will bypass the signon screen and be taken directly to the screen showing current console status

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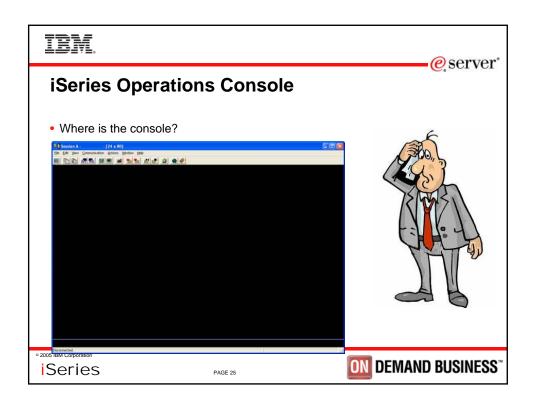
iSeries Operations Console

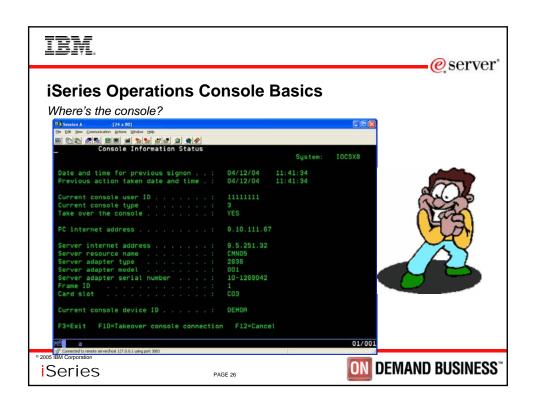
- Console takeover and recovery
- A new function consisting of control panel functions 65 and 21 has been created to aid in the recovery or debug of Operations Console problems. It will allow the user to do the following:
 - Change the console mode value.
 - Clear the associated LAN adapter's associated data used for Operations Console or the service tools server
 - Deactivate and reactivate the LAN adapter associated data used for Operations Console or the service tools server
 - Dump all the flight recorders commonly associated with Operations Console
 - This will reduce the need for main storage dumps which causes tremendous impact to the users.
- All of the above functions can also be done on an SST screen via native macro.

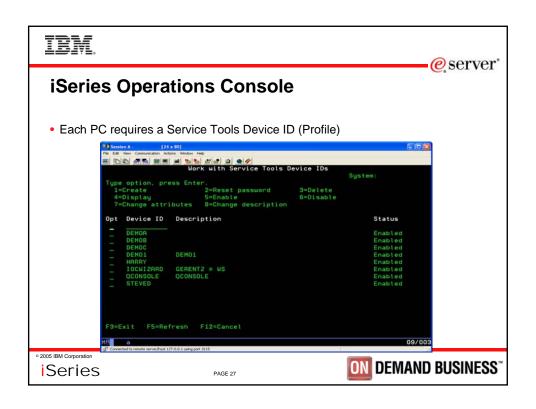
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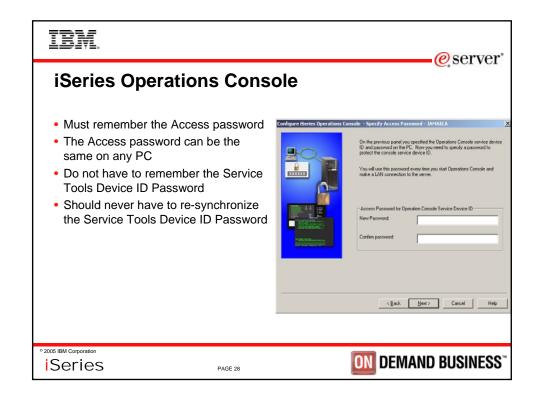
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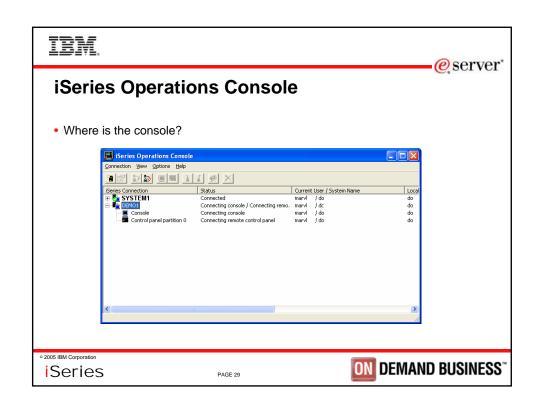


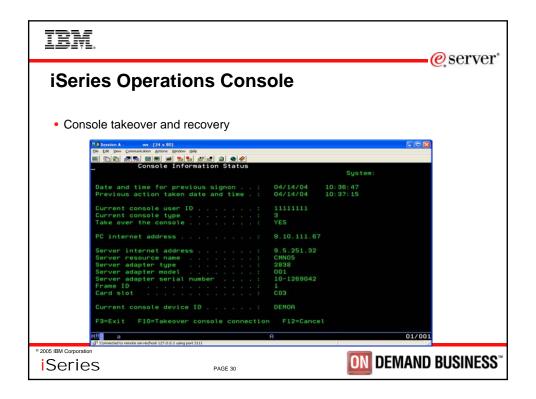


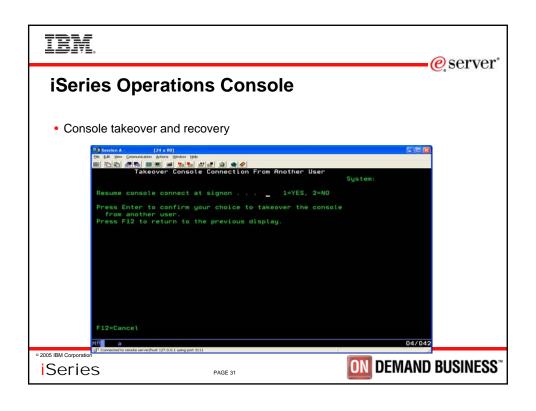


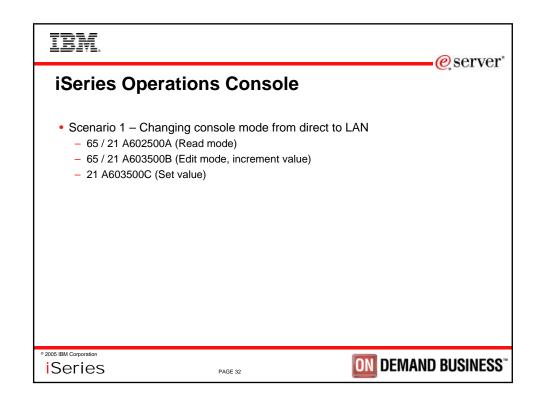


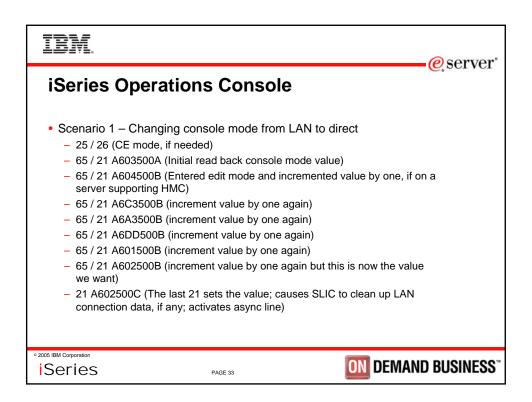


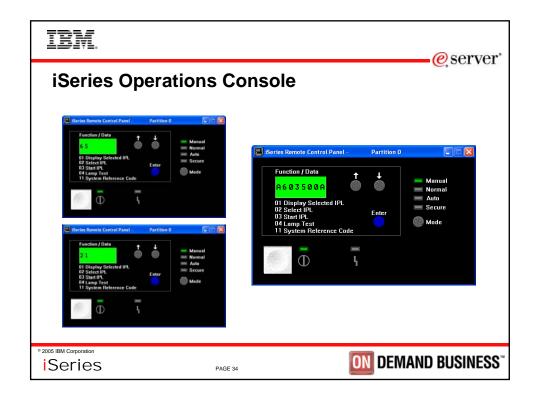












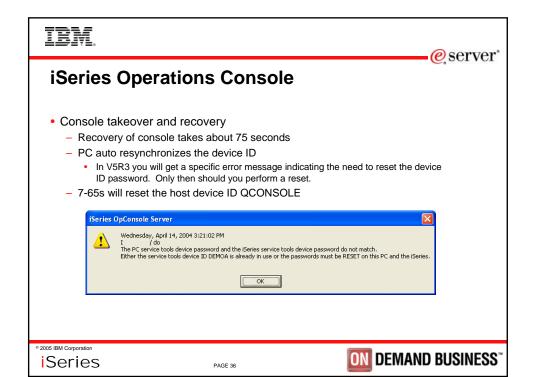


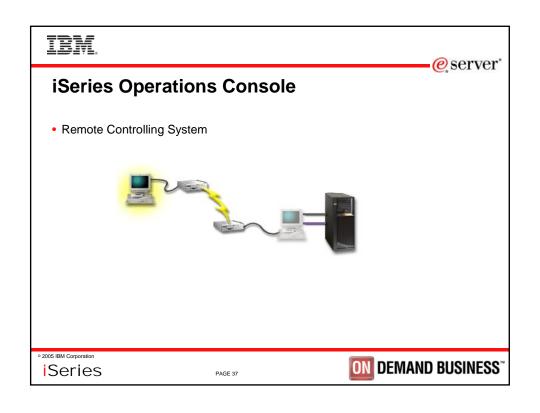
iSeries Operations Console

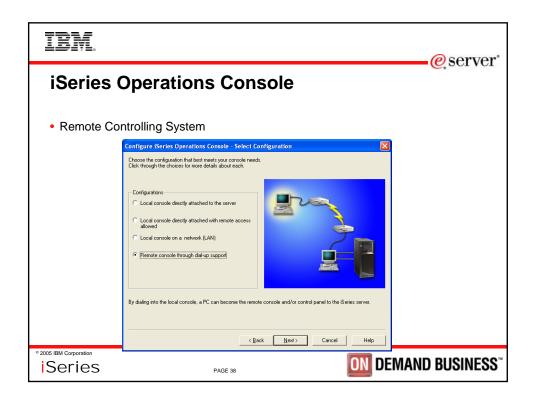
- 65+21 can also assist recovery or gather data in addition to changing the console mode value
 - A6C3500B will clear the LAN adapter's data
 - This is the equivalent to doing a PF6 (clear) when on the screen showing the LAN adapter's network data) and a PF7 to store it
 - A6A3500B will cause the LAN adapter to deactivate and then reactivate
 - This is the same as doing a PF17 on the screen showing the LAN adapter's network data
 - A6DD500B will dump all Operations Console related flight recorders to vlogs (except D-mode where vlog support isn't present)
 - The vlogs will be 4A00 major code

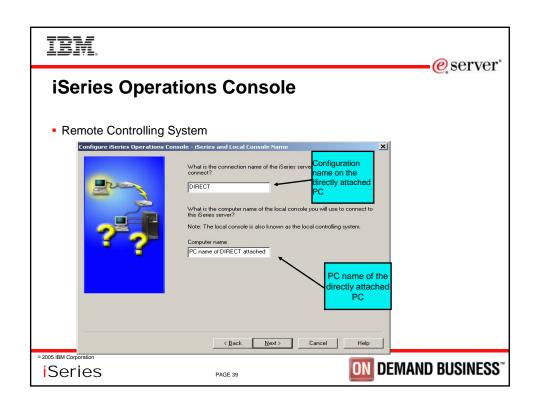
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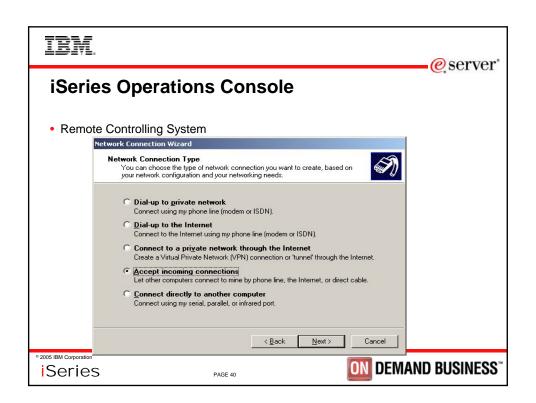














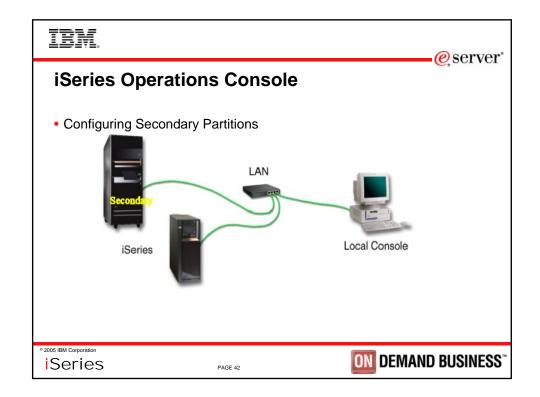
iSeries Operations Console

- Remote Controlling System
 - Remote Controlling System to Local Controlling System (RCS to LCS)
 - IBM Desktop on Call
 - Remotely Possible
 - Virtual Network Computing (VNC)
 - PC Anywhere
 - Search Google/Directory with any of the names above to find great information

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Configuring Secondary Partitions

- · LPAR has already been created
- Create secondary
- Tag the LAN card IOP
- Tag for ECS
- · Configure PC for LAN console
- Configure LAN connection on the PC that will be used for the console for the secondary
- · Specify either DNS name of adapter or the IP address of LAN card(this is the information from your network administrator)
- After 'D' mode IPL (to create secondary)
- SRC's C600 4016 to C600 4031 system looking for the console. It establishes connection and uploads IP information
- · Use the ACCESS password previously configured

• UserID of 11111111 / 11111111

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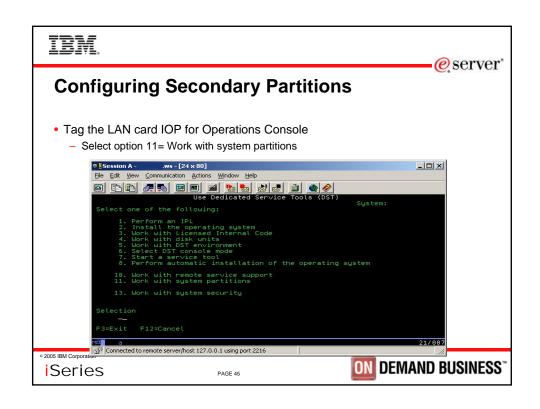


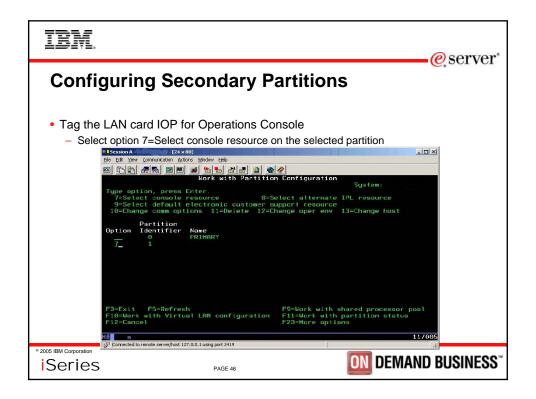
Configuring Secondary Partitions

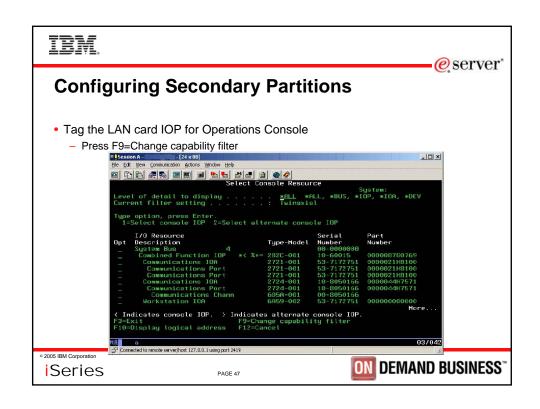
- IPL continues. Console connected.
 - NEED to set Console Type to LAN (at DST) prior to next IPL or will NOT find console
 - After a scratch install will also have to set the Console Type to LAN
 - After a scratch install will have to reset the PC service tools device ID password

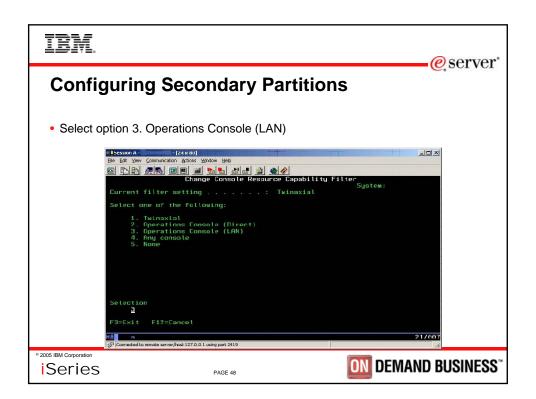
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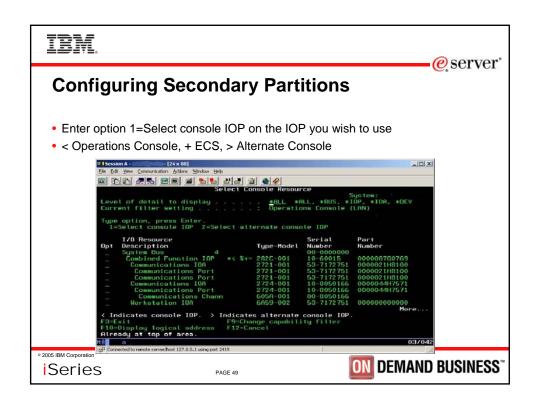


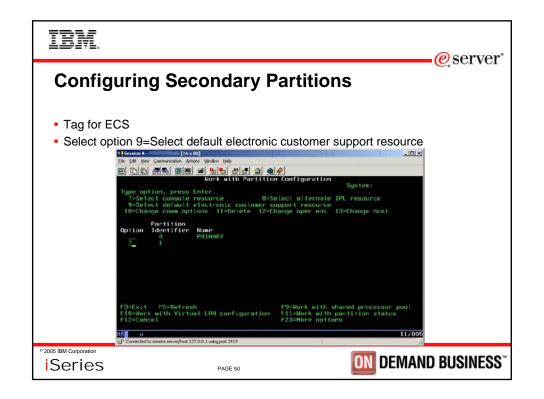












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Configuring Secondary Partitions

- The LAN adapter attached to the selected IOP will now be activated on the next D-Mode IPL for LIC install.
- The IP configuration must have been setup on the console PC and the console PC must be on the "local LAN" with the system.
- The LAN adapter will be able to be used for the console on the D-Mode IPL for LIC install and the first A-Mode IPL after the LIC install only.
- You must set the DST console type to Operations Console (LAN) for the console to be available on the LAN for future IPLs.
- Must also set the console type to Operations Console whenever you scratch install and must reset the PC Service Device ID password.

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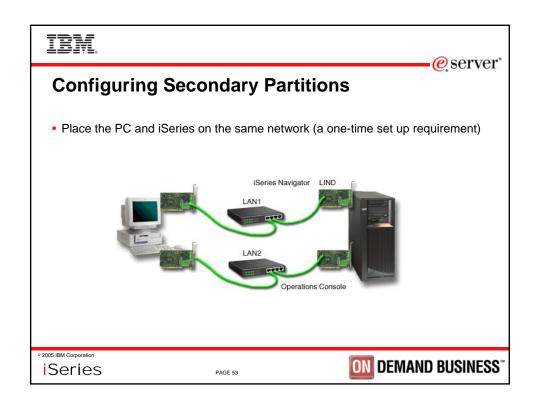
Configuring Secondary Partitions

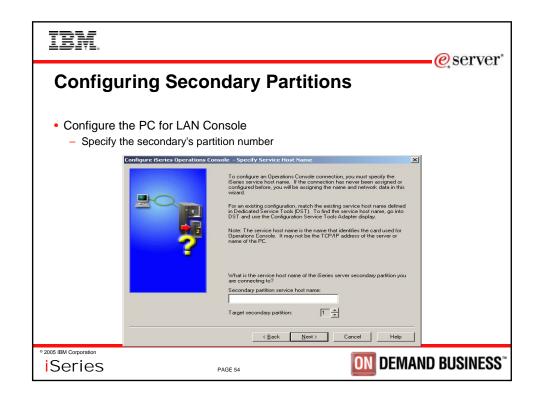
- LAN Console uses BOOTstrap Protocol (BOOTP) to configure the iSeries service IP communication stack. This IP stack configuration plus iSeries serial number is requested in the wizard setup.
- Set up PC based on your IP address information from your network administrator - and instructions in Operations Console Setup guide.
- The iSeries system, activates the LAN card and broadcasts BOOTP requests.
- The PC replies with the information submitted during this setup.
- The iSeries then stores and uses the configuration information.
- ** Place the PC and iSeries on the same network (a one-time set up requirement)

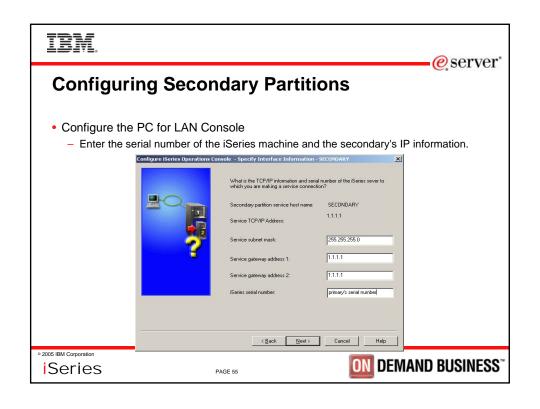
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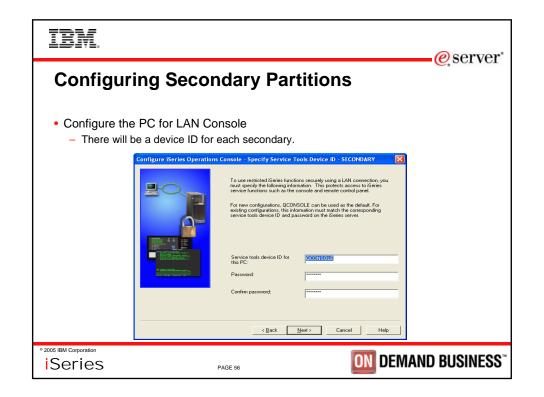
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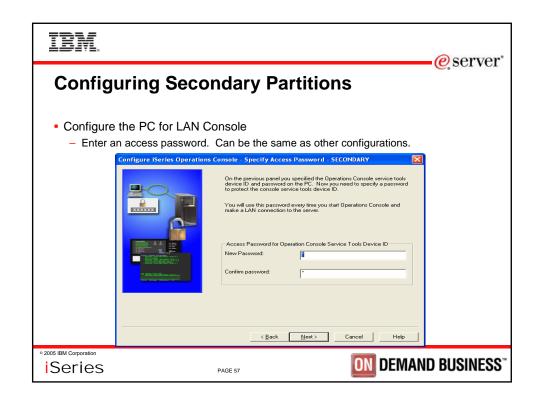


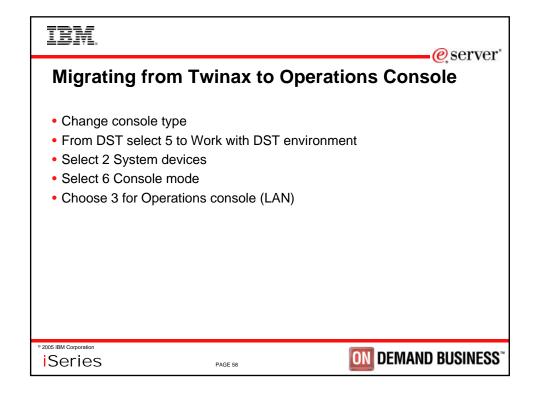


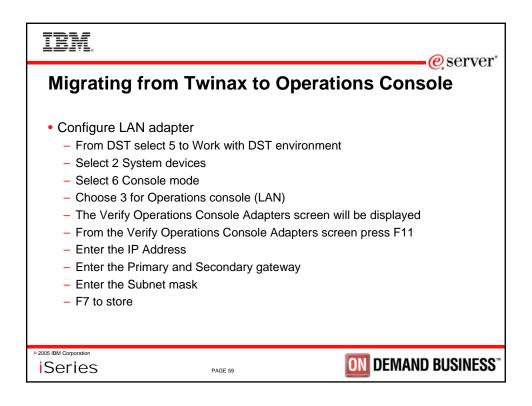


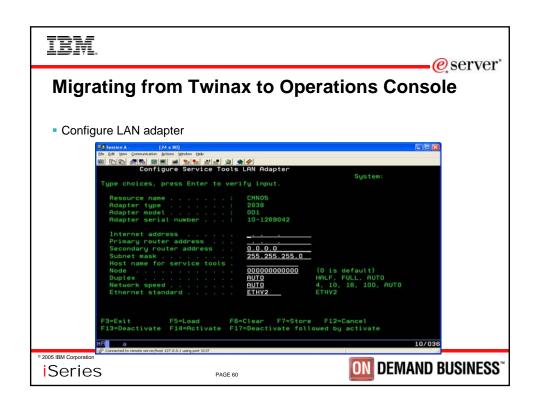




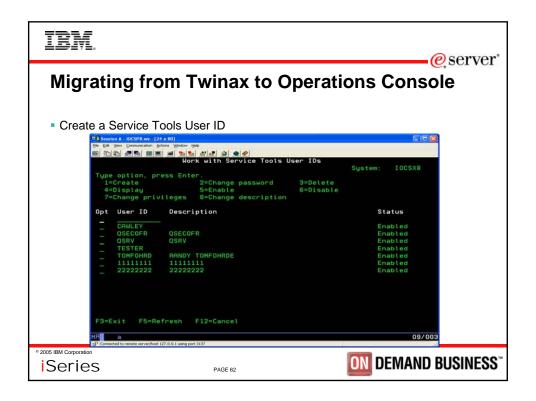












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Migrating from Twinax to Operations Console

- LAN card placement is important (slides 8 and 9)
- Remove the Twinax cable from the iSeries machine
- Required IPL or 65/21
- Can reset the iSeries QCONSOLE password by entering 7 65s from the control panel

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iSeries Operations Console

- Windows XP
 - The following error message is received when limited authority is detected to access the XP key container file.



- Whomever creates the first Operations Console configuration on an XP machine will be the only user with authority to connect a console. This is because XP's security limits access to the key container file. This is true for administrators as well.
- The key container file is used to encrypt the access and service tools device passwords.
- CWBOPSEC executed in a DOS Window with no parameters displays help.
- Use CWBOPSEC /adminkey to set only administrator authority or CWBOPSEC /allkey to set all authority.
- Windows 2000
 - In our testing we found that Windows 2000 security also limits access to the key container file. CWBOPSEC can be used here as well to resolve this issue.

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- Questions?

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iSeries Operations Console Intermediate Configuration

- Evaluation
 - Session ID: 409033
 - Session title: iSeries Operations Console Intermediate Configuration
 - Agenda key: 44CJ
 - Speaker: Marvin Levi

Thank you for attending!

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Operations Console V5R3 Enhancements and More

Evaluation

Session: 480154 Agenda Key: 21GB

Session Title:

Operations Console V5R3 Enhancements and More

Speaker: Marvin Levi

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