



IBM Power Systems with IBM i

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IBM i Virtualization Solutions

IBM i 6.1 and 7.1 introduces virtualization capabilities that allow faster deployment of IBM i workloads within a larger IT environment. IBM i 6.1 or 7.1 and POWER6 technology is required to take advantage of this virtualization.

An IBM i LPAR can host one or more additional IBM i LPARs, known as virtual client LPARs. Virtual client partitions can have no physical I/O hardware assigned and instead leverage virtual I/O resources from the host IBM i partition. The types of hardware resources that can be virtualized by the host LPAR are disk, optical and networking. The capability of IBM i to provide virtual I/O resources has been used successfully for several years to integrate AIX®, Linux® and Windows® workloads with IBM i on the same platform. The same virtualization technology, which is part of the IBM i operating system, can now be used to host other IBM i LPARs.

IBM i virtual client partitions can also be hosted by VIOS. VIOS is virtualization software that runs in a separate partition whose purpose is to provide virtual storage, optical, tape and networking resources to one or more client partitions. The most immediate benefit VIOS brings to an IBM i client partition is the ability to expand its storage portfolio to use 512-byte/sector open storage. Open storage volumes (or *logical units*, LUNs) are physically attached to VIOS via a Fibre Channel or Serial-attached SCSI (SAS) connection and then made available to IBM i. While IBM i does not directly attach to the SAN in this case, once open storage LUNs become available through VIOS, they are managed the same way as integrated disks or LUNs from a directly attached storage system.

For more information on virtualization, read the ["IBM i Virtualization and Open Storage Read me First" whitepaper](#)

Blogs and Wiki's



Steve Will's Blog: You and i

This blog is used to discuss topics related to IBM i, including our strategy, benefits of the architecture, announcements, and news. It allows the large and passionate IBM i community the ability to respond, have conversations about what we say, and make the blog really about you and i.

[Click here to access Steve's Blog](#)



Dawn May's Blog: i Can

The 'i Can' blog is to share the "hidden gems" within IBM i. The name "i Can" is to convey the fact that IBM i can do more than most realize. The updates to this blog will generally be information about the latest features in the most current releases.

[Click here to access Dawn's Blog](#)

IBM i Wiki

A collaborative environment for the sharing of technical information related to IBM i

[Click here to access the Wiki](#)

Solution Editions

The IBM i Solution Editions are designed to help you take advantage of the combined experience and expertise of IBM and Independent Software Vendors (ISVs) in building business value with your IT investment.

The IBM i Solution Editions offer flexible POWER 720 and 740 Express configurations to address your individual requirements.

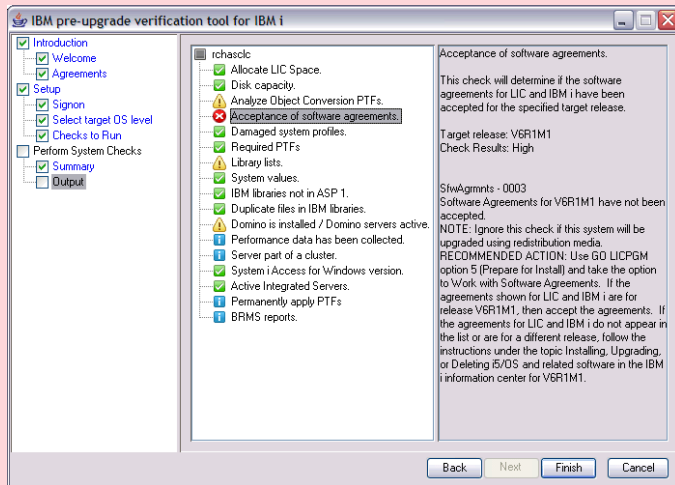
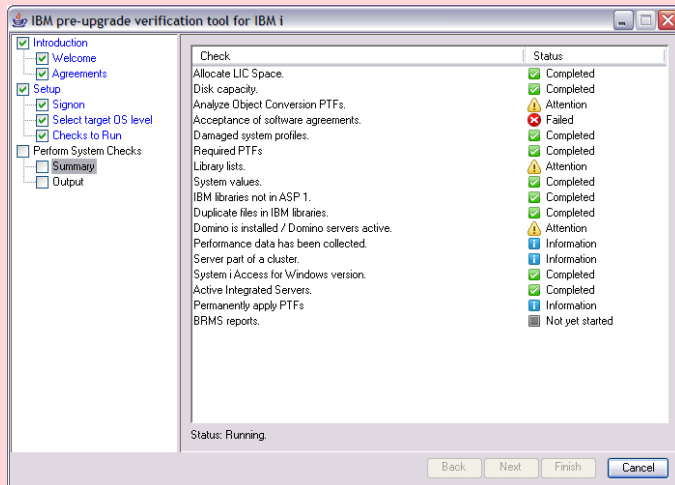
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IBM i Pre-Upgrade Verification Tool

The IBM pre-upgrade verification tool for IBM i was developed to help ensure a successful upgrade. The tool ensures that the pre-upgrade steps have been successfully completed and flags the steps that were missed or completed incorrectly. The person performing the upgrade then has the opportunity to successfully complete the required steps. The tool does **not** automatically perform the corrective actions.



[Click here for more information on Pre-upgrade verification tool](#)

IBM Power Systems and IBM i Events



2011 IBM Power Systems Technical Symposium

April 11-13, Orlando, FL
Save the date for [2011 IBM Power Systems Technical Symposium](#)

2011 COMMON IT Technical Conference

May 1-3, Minneapolis, MN
Save the date for [2011 COMMON IT Technical Conference](#)

2011 IBM Power Systems Technical University

October 10-14, Miami, FL
Save the date for [2011 IBM Power Systems Technical University](#)

Watson Jeopardy Challenge



IBM's Next Grand Challenge ushers in a new generation of computing.

After years of research, IBM's Watson Question Answering computing system is scheduled to take the stage on the popular Jeopardy! Television quiz show.

Aired over three days, spanning February 14-16, 2011, Watson will play against two of the most well-known and successful Jeopardy! Champions – Ken Jennings and Brad Rutter.

The software behind Watson has been deployed on a POWER7 platform. The POWER7 is especially well-suited to Watson based on its parallelization capabilities and scalability.

[Click here for more information on Watson](#)

IBM i Redbooks Web site: <http://www.redbooks.ibm.com/portals/systemi>

Recent Releases/Updates:

IBM PowerVM Virtualization Managing and Monitoring
IBM PowerVM Virtualization Introduction and Configuration
IBM Power 710 and 730 Technical Overview and Introduction
IBM Power 720 and 740 Technical Overview and Introduction

Published (Last Updated)

January 11, 2011	SG24-7590-00
January 11, 2011	SG24-7940-00
January 11, 2011	REDP-4636-00
January 11, 2011	REDP-4637-00

Note: If you've ever wondered about IBM ITSO residencies and perhaps considered participating in one, more information is available at <http://www.redbooks.ibm.com/residents.nsf/ResIndex/>



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