

Virtual I/O Server Version 1.3.0.0



# Release Notes



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**Note**

Before using this information and the product it supports, read the information in “Notices,” on page 11.

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## Chapter 1. Version 1.3.0.0 enhancements

There are a number of Advanced POWER™ Virtualization (APV) and the Integrated Virtualization Manager (IVM) enhancements in this release of the Virtual I/O Server (VIOS).

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### Virtual I/O Server enhancements

VIOS brings several improvements to monitoring, such as additional Topas and viostat performance metrics, and the enablement of the Performance PTX® agent. Also included are Virtual SCSI and Virtual Ethernet performance improvements, command line enhancements and enablement of additional storage solutions.

#### Virtual SCSI and shared Fiber Channel Adapter

- Support for iSCSI TOE adapter and virtual devices backed by nSeries iSCSI disks.
- HP storage. Contact your HP representative for details.
- Virtual SCSI functional enhancements include the following:
  - Support for SCSI Reserve/Release for limited configurations. Enables vSCSI for certain clustered/distributed configurations.
  - Support on the AIX® client for a changeable queue depth attribute for virtual disks. Allows the system administrator to tune the size of the I/O queue per Virtual disk.
  - Improvements for altering virtual device capacity nondisruptively. Configurable attribute that when enabled, allows the Virtual client adapter driver to determine the health of the Virtual I/O Server to improve and expedite path failover processing.
  - vSCSI device error logging enhancements

#### Virtual Ethernet and shared Ethernet adapter

- **TCP Segmentation Offload** – LPARs can now offload TCP Segmentation to VIOS Ethernet adapter, benefitting processor intensive applications running on the LPAR.

#### Monitoring

- PTX and Topas

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### Integrated Virtualization Manager enhancements

The Integrated Virtualization Manager (IVM) adds support for Dynamic Logical Partitioning (DLPAR) for memory and processors in managed partitions in this release. The following functions have been added:

- Web user interface and command line support for:
  - Dynamic Logical Partitioning (DLPAR) for memory and processors in managed partitions.
- Web UI support for:
  - IP configuration support for IVM.
  - Task Manager for long-running tasks.
  - Various usability enhancements, including the ability to create a new partition based on an existing one.





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## Chapter 2. Installation, Migration, Upgrade, and Configuration Information

The following information applies to Virtual I/O Server.

**Note:** This software might contain errors that could result in critical business impact. Install the latest available update packages prior to using this software. Update packages can be obtained from the following Web site:

<http://www14.software.ibm.com/webapp/set2/sas/f/vios/download>

To view the most current version of the Virtual I/O Server release notes, go to the online release notes at the following Web site:

<http://publib.boulder.ibm.com/infocenter/pseries/v5r3/index.jsp?topic=/com.ibm.aix.resources/53relnotes.htm>

All users of the Virtual I/O Server should subscribe to the Virtual I/O Server subscription service. Subscribing to this service allows users to stay current on Virtual I/O Server news and critical product updates. To subscribe, go to the following Web site:

<http://www14.software.ibm.com/webapp/set2/subscriptions/pqvcmjd>

and click the **Subscribe/Setup** tab.



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## Chapter 3. Software License Agreements

There are instances where the software license agreements might not be displayed correctly. In this event, the License Agreements can be viewed in all languages at the following Web site:

<http://www.ibm.com/software/sla/sladb.nsf>



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## Chapter 4. Online Documentation for Virtual I/O Server

For online documentation, see the *Using the Virtual I/O Server* topic in the IBM® Systems Hardware Information Center at the following Web site:

<http://publib.boulder.ibm.com/infocenter/eserver/v1r3s/index.jsp>

For online Redbook - Introduction to Advanced Power virtualization on IBM p5 Servers, select the hyperlink on the following Web site:

<http://www14.software.ibm.com/webapp/set2/sas/f/vios/documentation/home.html>



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## Chapter 5. Update to chlang command for Customers in Japanese Locales

Customers in Japanese locales should use the **chlang** command to force messages on the left to appear in English. Without this option, messages during the boot sequence are corrupted.

To change the Virtual I/O Server's locale to Japanese, the user needs to issue the following command:

```
chlang -msg C01ft -lang ja_JP
```





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## Appendix. Notices

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