

PowerVM for IBM System p

Optimizing the flexibility and usage of your systems



Offering Highlights

STG Lab Services (STG) can provide hands-on training and implementation services to help you update, install, configure, and exploit the capabilities of an IBM PowerVM™ environment.

The key benefits of STG Lab Services PowerVM implementation include:

- **Tools to help you optimize performance**
- **Review the environment and advise on system configuration according to best practices and with up-to-date system software and firmware**

■ **Mitigate risk by leveraging experienced consultants and proven best practices**

■ **Provide an opportunity for enhancing user skills**

■ **Provide a simple mechanism to receive enhanced assistance with implementation and configuration issues or questions**

PowerVM functionality

Using IBM's PowerVM features can help simplify and optimize your IT infrastructure. Available on most IBM System p™ servers and supported by the AIX® and Linux® on POWER operating systems, this set of comprehensive systems technologies and services are designed to enable you to aggregate and manage resources via a consolidated, logical view.

STG Lab Services can assist you in taking advantage of PowerVM, from consultation, implementation, to review.

Option 1 – PowerVM Consultation

In this phase there are no deliverables. Examples of tasks in an Option 1 - PowerVM Consultation engagement include:

1. *Review goals and objectives and any specific proposed server configuration(s)*
2. *Clarify any of the PowerVM feature concepts that the you may be having difficulty with*
3. *Identify those information sources that are available to help reinforce your understanding or to improve the planning process, leading to a more successful implementation*
4. *Determine the areas requiring additional review and/or discovery*
5. *Facilitate the decision making process concerning next steps*

A typical Option 1 - consultation may last approximately 1 day and is delivered via telephone.

Option 2 – PowerVM Extended Consultation

Examples of tasks in a PowerVM extended consultation engagement include:

1. *Discuss virtualization features to be implemented*
2. *Review hardware configuration & software levels, including firmware for IBM System p and Hardware Management Console (HMC).*
3. *Review planned partition profiles, network configuration and storage layout*

A typical Option 2 - consultation may last approximately 4 hours.

Option 2 - PowerVM Implementation

STG Lab Services will deliver a Dual VIO Server configuration on a single frame with two VIO client partitions.

Examples of tasks in a PowerVM implementation engagement include:

1. *Update firmware as needed*
2. *Create partition profiles for two VIO Servers and two VIO client partitions*
3. *Create or update existing NIM Server to AIX and create network install resources for AIX*
4. *Install two VIO Servers from CD/DVD media*
5. *Configure network and local SCSI storage on two VIO Servers*
6. *Install two VIO client partitions using NIM Server*

Additional tasks may include an install of SAN storage software on two VIO Servers and configure LUNs for VIO client partitions, mirror rootvg for two VIO client partitions (if using LVM mirroring), or configuration of network interface backup for virtual networks on two VIO client partitions.

A typical implementation may last approximately 3-4 days, depending on the customer environment.

Option 2 - PowerVM Review

Examples of tasks in a PowerVM review engagement provides:

1. *Demonstrate dynamic partitioning of CPU/memory/adapters*
2. *Demonstrate MPIO path management*
3. *Demonstrate Dual VIO Server redundancy (network and local/SAN storage)*

A typical review may last approximately 8 hours, depending on the customer environment.

Pricing

To obtain this service, contact one of our opportunity managers to confirm requirements, create a statement of work and determine pricing.

Who We Are

STG Lab Services is one of the for fee services organizations of IBM's world renowned Systems & Technology Group development labs. Through STG Lab Services you can bring the expertise of the development community on the latest technologies to your enterprise. STG Lab Services can help you with your most difficult technical challenges. We exist to provide successful implementations of emerging technologies to help accelerate a return on your IT investment and drive up your satisfaction with your IBM hardware.

For More Information

To find out more about PowerVM and other related products and services, contact Stephen Brandenburg at sbranden@us.ibm.com / 1-301-803-6199, Michael Karchov at Michael.Karchov@us.ibm.com / 1-919-254-0706, or George Henningsen at gehenni@us.ibm.com / 1-516-349-3530.



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