

IBM Live Partition Mobility Jumpstart for AIX

Increasing the flexibility and resiliency of your systems



Offering Highlights

IBM Systems and Technology Group (STG) Lab Services can provide hands-on training and implementation services to help you get the most out of your AIX® environment, including the use of Partition Migration to optimize resilience and performance for your applications.

The key benefits of STG Lab Services Live Partition Mobility Jumpstart may include:

■ **Optimized performance**

■ **Enhanced user skills**

■ **Mitigation of risk by leveraging experienced consultants and proven best practices**

■ **Reduced total cost of ownership**

■ **Improved business responsiveness and operational speed**

■ **Simplified IT infrastructure management**

IBM Live Partition Mobility

STG Lab Services Live Partition Mobility provides the capability to move inactive and active partitions between two IBM System p™ POWER6™ systems managed by a common hardware management console (HMC) without application downtime, avoiding application interruption for planned system maintenance, provisioning, and workload management. This jumpstart can assist you in the planning, implementation, and testing of this new capability.

Consultation

STG Lab Services can provide a consultation to help you determine the best way to take advantage of these exciting new features of AIX including the deployment of Live Partition Mobility in an IBM Virtual I/O (VIO) Server environment.

A consultation with an STG Lab Services specialist includes:

- *Review overall plan for Live Partition Mobility offering*
- *Discussion of Live Partition Mobility capabilities*
- *Discussion of prerequisites and restrictions for implementing Live Partition Mobility*
- *Review of system configuration and software levels*

Implementation

An implementation of IBM Live Partition Mobility might include the following:

- *Creation of six partition profiles configured for Live Partition Mobility including four VIO Servers (dual VIO Servers on each system) and two dual VIO Server client partitions*
- *Creation of a Network Installation Management (NIM) Server or update of an existing NIM Server to AIX V6.1 and creation of network install resources for AIX V6.1*
- *Installation of VIO Servers from DVD media and/or NIM Server*
- *Configuration of the Shared Ethernet Adapters (SEAs) for the four VIO Servers*
- *Installation of Storage Area Network (SAN) software on four VIO Servers and mapping of storage for the two VIO client partitions*
- *Installation of VIO client partitions using the NIM Server*
- *Verification of storage and network connectivity on the two VIO client partitions*

One dual VIO Server client partition on each system for demonstrating Partition Mobility can be provided.

STG Lab Services can also:

- *Install SAN storage software on two VIO Servers and configure Logical Unit Names (LUNs) for VIO client partitions*
- *Mirror root volume group (rootvg) for two VIO client partitions (if using Logical Volume Mirroring (LVM))*
- *Configure network interface backup for virtual networks on two VIO client partitions*

Migration and Review

Examples of tasks in the migration and review of Partition Mobility include:

- *Performance of validation steps for Live Partition Mobility*
- *Demonstration of Live Partition Mobility between the two systems*

- *Review of the procedure for Live Partition Mobility*

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.

Services We Provide

STG Lab Services brings the skills and experience of the lab to your enterprise through on-site consulting, classroom training, and skills transfer to your personnel in your environment. STG Lab Services has both high quality, field tested offerings and the resources to bring customized solutions to your enterprise. Contact one of our opportunity managers for more information.

For More Information

To find out more about the IBM Live Partition Mobility 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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