

The IBM High Availability Cluster Multi-Processing (HACMP) for IBM System p

Optimizing the availability of your investment



Offering Highlights

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

The key benefits of STG Lab Services HACMP implementation include:

- **Optimized performance**
- **Review of the environment to help assure that the system is configured 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**

HACMP functionality

The IBM HACMP™ technologies provide near-continuous application availability for clustered servers by quickly switching from one system to another in the event of a hardware or software outage. HACMP supports cluster management, status monitoring, concurrent shared-access management, as well as support for a host of IBM System p™ servers and storage devices. Customers can take advantage of the data backup and disaster recovery capabilities for installations across multiple locations with HACMP/XD (Extended Distance).

HACMP

A typical engagement may last approximately 2-8 days. (2-3 days for review & discussion, 2-8 days for implementation & documentation) Examples of tasks in an HACMP engagement provides:

1. *Review technical & business environment and performance objectives*
2. *Review installation prerequisites and HACMP configuration*
3. *Provide on-site & remote support for the HACMP deployment*
4. *Provide support for tuning and optimization*
5. *Recommend best practices to meet business objectives and increase performance & availability of critical applications*

HACMP with Oracle RAC (optionally using IBM GPFS™)

Oracle Real Application Clusters (RAC) is the parallel version of the Oracle database software. For Oracle RAC on the IBM AIX® operating system, the HACMP product subsystem is required and provides cluster definition and event management functionality.

IBM can provide a customized integrated HACMP solution for an Oracle RAC environment. This implementation will incorporate industry best practices and can optionally include the IBM General Parallel File System (GPFS). GPFS allows users shared access to files that may span multiple disk drives on multiple nodes.

A typical engagement may last approximately 2-4 weeks, depending on the customer environment.

HACMP Capacity Upgrade on Demand

Capacity Upgrade on Demand (CUoD) adds operational and configuration flexibility for IBM System p technology. One of the main inhibitors for development of a disaster recovery environment has been the cost of the required hardware at the disaster recovery site. HACMP can minimize this hardware cost by:

- *Activating processing only when needed, usually in the event of a disaster*
- *Charging for the processors only during the activation period*
- *Assigning the CPUs/Memory to the designated partition*

A typical engagement may last approximately 2-4 weeks.

HACMP Extended Distance

HACMP/XD is an enhancement to HACMP for AIX operating system installations. HACMP/XD allows you to

have HACMP clusters across different locations. HACMP/XD provides real time geographic mirroring of data between sites. HACMP/XD has automatic failure detection and fail-over for faster recovery from the disaster.

A typical engagement may last approximately 6-10 weeks.

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 the IBM HACMP 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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2-08
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