

System x Enterprise Solution Services

HPC Intelligent Cluster Health Check Services

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Overview

High performance computing (HPC) can help address your most challenging and complex problems with breakthrough results. To get the most out of your system, keep it current and in tip-top shape. Lenovo System x Enterprise Solution Services (Lenovo Lab Services) offers this diagnostic HPC Intelligent Cluster Health Check Service that examines your existing system and prescribes a set of recommendations for software, device driver, and firmware updates. Clusters can be constructed from a variety of rack servers, blade servers, IdataPlex servers, NeXtScale servers, and storage products appropriate for your application with Lenovo and OEM (e.g. CISCO) networking components. System x Enterprise Solution Services has the skills and expertise to make it all work together for you.

What you can expect

HPC Intelligent Cluster Health Check Service is a process tailored to your specific wants and needs. First a list of desired services is prepared from a menu of available options. A Statement of Work (SOW) is then constructed and customized—from hardware configuration to chosen services—and final scope and sizing of the project determined.

At the beginning of the Health Check, at a mutually convenient time, a configuration audit is performed and list of recommendations drawn up. If you (optionally) chose to implement these recommendations, a plan is constructed, system outage scheduled to complete the updates, and the final configuration documented and tested. Before the end of the project the consultant will ensure that functionality is demonstrated and the configuration documented.

What are the advantages?

- ▲ Speed of Implementation - Our consultants have the experience that you need to make your cluster work for you in the most expeditious fashion. They will use proven implementation practices and recommend proven software components helping to avoid iterations of trial and error – getting you continue into production.
- ▲ Quality of Implementation – Our consultants are constantly accumulating best practices and improving the techniques for installation and configuration. They also work with Lenovo development and customers worldwide to help refine both the products and their implementation.
- ▲ Reduced Risk – Our consultants will help you avoid typical pitfalls which result in sub-optimal performance, compatibility or warranty issues.

By engaging System x Enterprise Solution Services you will be giving yourself the means to fully exploit the capabilities of your updated system and not overlook important features. You should be able to benefit from the depth of experience that our consultants bring with a minimum investment of your time.

For More Information Contact:

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Services highlights

Each engagement is unique but most will include:

- Preparation and planning teleconference
- Configuration audit and differences found between the current configuration vs. latest versions available
- Make recommendations that if chosen, implement using the following actions:
 - Backup of the current configuration
 - Operating System updates
 - Device driver updates
 - Cluster management software (xCAT) update
 - Firmware updates and verification
 - CMOS settings
 - Software updates for components like OFED, GPFS™, Compilers, Resource Mangers/Schedulers, etc.
 - Run standard benchmarks

Pricing

To order this service, contact one of our Opportunity Managers to establish requirements and create a Statement of Work (SOW). This service can be ordered using Lenovo System x part number 49Y3780 which represents a day's work (8 hours) by one of our consultants. Travel and living expenses are included when the part number is used. The number of part number units required will be determined when the project is sized and the SOW is created.

Who we are:

System x Enterprise Solution Services is one of the for-fee services organizations of Lenovo's world renowned Systems x development labs. Through System x Enterprise Solution Services you can bring the expertise of the development community on the latest technologies to your enterprise. With deep skills in System x products and technologies, System x Enterprise Solution Services can help you with your most difficult technical challenges. System x Enterprise Solution Services exists to provide you with successful implementations of emerging technologies to help accelerate your investment ROI and drive up your satisfaction with your Lenovo solutions.

For more information on Lenovo System x Enterprise Solution Services (Lab Services), please look here:
<http://www-03.ibm.com/systems/x/services/>

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