Domain integrated system server imaging solution
Control System Server Backup Service

A fully domain integrated system server imaging solution that enables rapid restoration of critical control system servers and clients after a disaster or computer failure.

ABB Server Backup Service ensures reliable control system server backups are readily available to restore system operation with an exact disk image of the ABB software application and operating system. The provided bootable CD enables immediate restoration of critical servers and clients. This also allows complete system restoration to original server/client hardware; different system hardware; or newer models of hardware; quickly and easily, usually in less than an hour.

Backups include operating system, databases, and all applications for every server and workstation included in your control system.

Features:
– Hard drive imaging
– Configuration backups
– Customized scheduling and scripting
– ABB tested bandwidth and CPU utilization
– Active directory exports
– Full domain integration takes advantage of established domain security
– Backup compliance testing to ensure restoration to a virtual machine to meet NERC compliance
– Bootable restore CD
– Restoration training

Scope
The service includes a site survey, recommendations for backup procedure, and implementation strategy as well as planning, scheduling, and delivery. ABB works with site engineers to establish scheduling, back-up process, custom workstation configuration, and scripting requirements.

Scheduling
Servers and workstations will be configured to automate background software backups, occurring at pre-determined intervals over the network without shutting down the computer, process, or affecting system performance. Scheduling is designed to ensure recoverability for Domain members and Servers.

Software
ABB supplied software features include:
– Full Volume Shadow Copy Service (VSS) compliance
– Backup image encryption
– Converting image files for use on a virtual machine
– Dual destination backups

Back-up
Before backups are created, the bandwidth and CPU utilization are tested to determine the speed with which backups can be created without affecting system performance. Files are then backed-up to a designated site server or to a newly installed NAS drive, or backed-up off-site at a designated location; the dual destination backup feature allows backups to be sent to multiple destinations. VSS enables the image backup to be created while the system is running.

Recovery Training
Step-by-step instructional system recovery training for operators is included, to explain the process of restoring the system. Restoration services are available from ABB to assist with the restoration process if required.

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Availability

This service is available for ABB Process Control Systems and Quality Control Systems (QCS) and third party Microsoft Windows-based systems.

NERC Compliance

The Server Backup Service system meets 2009 NERC compliance requirements to maintain and test regularly scheduled server backups. The backup image can be restored to a virtual machine.

Control System Server Backup Service RFQ

To obtain a quote for this service, please complete the following information and return it to your Service Account Manager or to the North America Customer Service Center.

1. **Service to be performed with system:** ☐ On-Line   ☐ Off-Line
2. **What is the system size? (Total node count including PC's, Servers, and Clients):** _____
3. **What is the system environment?** ☐ Domain   ☐ Workgroup
4. **Number of domain controller computers:** _____ number of computers
5. **Number of computers with server operating system:** _____ number of computers
6. **Number of computers with workstation operating system:** _____ number of computers
7. **Server software being used:** ☐ Windows 2000 Server   ☐ Windows Server 2003   ☐ Windows Server 2008
8. **Workstation software being used:** ☐ Windows 2000   ☐ Windows XP   ☐ Windows Vista   ☐ Windows 7
9. **Who will supply the Acronis backup software?** ☐ ABB   ☐ Customer
10. **Who will supply VMWare Workstation software for testing the images?** ☐ ABB   ☐ Customer
11. **List any third party applications to be included in the backup services** _____ _____   ☐ None
12. **Approximately 500GB is required for a 10 node system. Do you have sufficient network storage available?** ☐ Yes   ☐ No
13. **If an additional storage drive is required, who will provide the storage drive?** ☐ ABB   ☐ Customer
14. **What type of Storage Equipment?** ☐ USB Storage Drive   ☐ Server Computer   ☐ None

Company Name

Site Name

City   State   Zip

Your name   Phone no.

E-mail

ABB contact name

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