

E144

System 800xA

Performing a System Health Check

Workshop goal

Automation systems should be checked on a regular basis just like your car also has regular inspections. The students learn how to use various tools and methods to check and document the system health. After this workshop the students are prepared to perform a System 800xA health check at a customer site.

Learning objectives

Upon completion of this workshop the participants will be able to:

- Use the tools required for the different system checks
- Check and document the ABB and Microsoft® software versions installed
- Verify Domain Controllers in respect of DNS, Active Directory and file replication
- Analyze the results of special scripts indicating system health
- Perform some basic checks on redundant networks using RNRP such as response time, network bandwidth etc.
- Verify the correct settings on network devices e.g. switches
- Check that the time synchronization works correctly
- Analyze the Windows event log on Aspect Servers, Connectivity Servers, Application Servers and Clients
- Analyze the system event lists in System 800xA
- Perform various basic project application checks e.g. consistency, objects in "Lost and Found", system NLS, graphics performance, data source definition aspects etc.
- Verify that a good backup strategy is deployed
- Check the AC 800M OPC server status and the AC 800M controller logs
- Check the Oracle database health when IM is used.

Participant profile

This Expert Workshop is targeted to service & support engineers, system administrators, and maintenance personnel.

Prerequisites and recommendations

Students should have attended the Administration and Installation course T305 or have knowledge and experience associated with the content of this course. In addition, they should have knowledge about Microsoft server operating systems, domain concepts, and networking (e.g., TCP/IP protocol and DNS).

The required knowledge can be verified with user assessment module T710e-03.



Workshop type and methods

This is an instructor led workshop with short presentations and demonstrations, extended exercises, hands on sessions and discussion.

Duration

The duration is 4½ days.