

800xA System

Description of the 800xA System running in the ABB University Cloud



Content:
 System Structure, 800xA System Version, IP Addresses, Domain, User and Passwords, System Functions, Activated System Options, Non Standard Functions, Workplaces, Functional Areas, Supported Courses, Support and Questions

Description

The ABB University Cloud 800xA System uses the latest functions and software versions. It can be used for many courses from ABB University and supports multi user engineering for up to 12 clients.

System Structure

3 Nodes based on virtualized Windows Server 2012 R2, all nodes not redundant, 1 HSI network, 1 Control Network

- PriDCAS1: AspectServer, Batch Server, AssetServer, Domain Controller, WebServer, Freelance Engineering
- PriCS1: Connectivity Server for AC 800M, Freelance, Melody and Advant, ConfigServer, Composer Server
- PriTermSrv: TerminalServer for Workplaces, Scheduler, 800xA Engineering Client, Composer Client

800xA System Version

800xA SV6.0.3 RU3, Freelance 2016 SP1, Composer Melody 6.4, Control Builder A 4.3/0

IP-Addresses

- PriDCAS1: 172.16.4.1
- PriCS1: 172.16.4.21, 172.16.84.21
- PriTermSrv: 172.16.4.31, 172.16.84.31
- AC 800M Controller (PM860): 172.16.84.161
- AC 800M SoftController: 172.16.4.1 (ID 11 to 19), 172.16.4.21 (ID 11 to 14)
- AC 800F Controller (AC 800F 4MB): 172.16.86.161
- AC 800F SoftController: 172.16.4.1 (ID 1)
- Melody Controller (PM875): 172.16.85.161

Domain, Users and Passwords

Domain Name: 800xA.local

Terminal Server Farm Name: 800xASystem.800xA.local

Users and Passwords for Admins

- 800xA\800XAService (800XAService)
- 800xA\800XAInstaller (800XAInstaller)

12 Users (and Passwords) for Engineering

- 800xA\Eng01 (eng)
- 800xA\Eng02 (eng)
- 800xA\Eng03 (eng)
- ...
- 800xA\Eng12 (eng)

12 Users (and Passwords) for Operators

- 800xA\OP01 (01)
- 800xA\OP02 (02)
- 800xA\OP03 (03)
- ...
- 800xA\OP12 (12)

12 Users (and Passwords) for Maintenance

- 800xA\MT01 (01)
- 800xA\MT02 (02)
- 800xA\MT03 (03)
- ...
- 800xA\MT12 (12)

System Functions

- Asset Management
- Batch Management
- SoftPoints
- Calculations
- Application Scheduler
- Device Management
- PC, Network and Software Monitoring
- AC800M Status Monitoring Service
- Data Direct Services
- PLC Connect
- SMS/Email
- Snapshots Reports
- Engineering Workplace
- Symbol Factory Controls
- Terminal Server for Clients
- Wireless Hart
- German Language Pack

Activated System Options

- Log Over
- Alarm Grouping
- Alarm Shelving
- Alarm Hiding
- Alarm Response
- Point of Control
- Tag Information

Non Standard System Functions

- Freelance CBF Viewer
- PC Tools, PC Library, PC Workplace
- Interlock and Effect Viewer
- Utility Setup
- Batch Management with Freelance and Melody
- FDT/DTMs for S800, S900, TTx300, TZID, Hart, UMC100, DTM500, TO2600-PA, TF12-PA, MV2600-PA
- AC 800PEC Controller Integration

Workplaces

- Plant Explorer Workplace
- Engineering Workplace
- Operator Workplace
- Maintenance Workplace
- Operator Workplace 4.0
- Operator Workplace with Bottom Toolbar
- Operator Workplace with Top Toolbar
- Operator Workplace Tabbed Navigation
- Alarm Management Workplace
- UT Operator Workplace

Functional Areas

Content of the Functional Structure

- OSLO Plant with >6 Reactors for AC 800M, Freelance and Melody
- Batch Plant with >6 Units for AC 800M, Freelance and Melody
- PROFIBUS Graphic for AC 800M, Freelance and Melody
- New Graphics Demo
- Alarm Management Analysis Display
- Power Plant, Feed Water Unit and UT Plant for Melody Only

Supported Courses

These courses from ABB University can be delivered with the system:

- T307
- T308
- T309
- T310
- T315C/F/H/D
- T316
- T320
- T322
- T330
- T331
- T360
- DE442
- DE449
- DE446
- DE451
- DE466w
- DE470
- DE474
- N372

Support and Questions

For support please contact:

- Gottfried Kremer
(Gottfried.Kremer@de.abb.com, +49 69 7930 4431)
- Brian Williamson
(Brian.Williamson@de.abb.com, +49 69 7930 4808)

or ABBUniversity@de.abb.com

Address

ABB Automation GmbH
Service Control, ATG/SOCT
Stierstaedter Strasse 5
60488 Frankfurt am Main

Office

Phone: +49 69 7930 4801
Fax: +49 69 7930 4652
Mail: abbuniversity@de.abb.com

Customer Service

Phone: +49 180 5 222 580