

ASPECT Advanced Training Syllabus

Prerequisites

- ASPECT Basic

Details

Learn the benefits of Distributed Architecture and eMAP for medium to large sites, ASPECT-Enterprise setup, working with MySQL database, Applications, troubleshooting and much more.

Upon Completion

Students will know best practices for deploying medium to large projects, understanding licensing, using applications other concepts, allowing them to deliver a quality project.

Day 1

Section 1 – Introduction Distributed Architecture		
	Overview of distributed architecture	
	Sizing Projects	
	Licensing	

Section 2 – Working in Satellite		
	Importing JSON file from CXproHD	
	Making points editable for distribution	
	Principles of BACnet network tuning	

Section 3 – Working in the Map

	Master value write uses and setup	
	Ghost points and Tokenized strings advanced uses	
	Project Marquee String	
	Map Element Expert and Edit Display from customization and security	
	Emap connections between satellite devices	
	Principles of eMap protocol	

Section 4 – Applications

	Application use case scenarios	
	Bringing data into a project using XPath	
	Setting up heating lockouts based on OAT	
	Creating components	
	Passing data across protocols	
	Importing and exporting applications	

Section 5 – Graphics

	Importing graphics	
	Principles of transfer of context (link element)	
	Sizing background images	

Day 2

Section 6 – Working in Enterprise

	Installing the Enterprise VM using VSphere	
	Configuration of Enterprise in VSphere	
	Acquiring hardware ID for soft license	
	Installing soft license	

Section 7 – Enterprise Project

	Marking satellite points for Export	
	Creating SiteID for Export	
	Exporting satellite JSON file	
	Importing satellite JSON file into Enterprise	

Section 8 – Trending and alarming

	Setting up proxied / remote trends	
	Setting up proxied / remote alarms	

Section 9 – Database

	Browsing trends and alarms in SQLite	
	Browsing trends and alarms in MySQL using Adminer	
	Creating databases in Adminer and configuring GlobalConfig to point to them	
	SQL statements in Adminer	
	Exporting trends through Adminer	

Section 10 – Applications

	Emailed formatted reports	
	Importing applications into Enterprise	

Section 11 – Navigation

	Creating graphical navigation between Enterprise and satellites	
	Concept of System Home	
	Using Green Screen mode for navigation	
	Setting up single sign on	
	Exporting and importing users and groups between satellites and Enterprise	

Day 3

Section 12 – Security		
	Make self-signed SSL certificate	
	Increase TLS certification	
	Overview of secure Aspect ports	
	Finding secure users and groups	
	User privileges	
	Login expiry	

Section 13 – Troubleshooting		
	Getting project backups from target	
	Changing debug levels for advanced logging	
	Simulating common problems for logging examples	
	Resetting targets to factory defaults	
	Upgrading from version 2	
	Packet captures on IP network	
	Packet captures on MSTP network	
	Discussion of what to bring to a tech support call for quickest turnaround	