



# TrueSight Orchestration 20.x: Fundamentals Developing (ASP)

## COURSE ABSTRACT

### COURSE CODE

- » CLDS-TOFD-2002-ASP

### APPLICABLE VERSIONS

- » TrueSight Orchestration 20.02
- » TrueSight Orchestration 8.1 & 8.2

### DELIVERY METHOD

- » Assisted Self-paced (ASP)
  - Student and lab guide as ebook
  - Product community for questions and answers
  - Course recording via WBT
  - Access to instructor for up to 1.5 hours by appointment (use within 90 days of registration)

### VIRTUAL LAB ACCESS

- » Lab Vouchers are issued at course registration time and must be redeemed within 90 days of receipt. Once Lab Voucher is redeemed, 28 days of lab access are granted with 18 hours of on-demand lab time to be used. Once the lab time is used, or the 28 days expires, the lab access ends.
- » Click [here](#) for additional ASP virtual lab access information in graphical format.

### COURSE DURATION

- » Equal to 3 Days

### PREREQUISITES

- » *TrueSight Orchestration 20.x: Fundamentals - Architecture and Components (WBT)*

## Course Overview

IT process automation can significantly lower the cost of IT delivery and reduce the risk associated with manual interactions. TrueSight Orchestrator automates common, repeatable tasks to improve quality of service across the board.

This course guides learners as they discover and cultivate the skills necessary to establish and maintain basic TrueSight Orchestrator processes. The course creates an environment in which learners can build and test the TrueSight Orchestrator infrastructure. Learners are presented with real-world tasks and the information and tools necessary to complete each task, which will develop basic TrueSight Orchestrator skills. Materials are provided that can be referenced during and after the class.

## Target Audience

- » Administrators – IT Administrator
- » Designers – Process designers
- » Developers – Software developers

## Learner Objectives

- » Reduce the risk of manual errors by automating basic IT tasks
- » Improve quality of IT service through the automation of common, repeatable tasks
- » Identify and configure the primary components of the TrueSight Orchestrator infrastructure
- » Identify the elements of the Development Studio
- » Create processes that invoke various base adapters, for example:
  - Simple Mail Transfer Protocol (SMTP)
  - Structured Query Language (SQL)
  - Secure Shell (SSH)
  - Simple Network Management Protocol (SNMP)
  - Hypertext Transfer Protocol (HTTP)
- » Transform data using XPATH
- » Use Context Item Variables
- » Identify advanced process activities including the switch and loop activities
- » Add Compensation to Workflow processes
- » Schedule job execution
- » Use the Debugger tool to test processes



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### COURSE ACTIVITIES

- » Classroom Presentations
- » Hands-on Lab Exercises
- » Demonstration

### BMC ATRIUM ORCHESTRATOR LEARNING PATH

- » <https://www.bmc.com/education/courses/atrium-orchestrator-training.html>

### DISCOUNT OPTIONS

- » Have multiple students? Contact us to discuss hosting a private class for your organization
- » [Contact us for additional information](#) 

## Course Modules

### Module 1: Introduction to TrueSight Orchestration: Purpose and Architecture

- » TSO - IT Process Automation/Orchestration Engine
- » TSO - Product Architecture
- » TSO - Key Use Cases
- » TSO - Installation /Deployment Scenarios

### Module 2: Developing the Hello World Workflow: Using the File Adapter

- » How to Configure and Activate the Adapter
- » Creating a Module and a Process: Hello World Workflow

### Module 3: Using the SMTP Adapter

- » SMTP Adapter - Basics, Configuration and Activation on the Grid
- » Develop the Email Workflow
- » Define the Context Items and Passing Data via Context Items

### Module 4: Overview of IT Process Automation: Taking a Systematic Approach

- » IT Process Automation - Taking a Systematic Approach

### Module 5: Using the SSH/WinCMD/PowerShell Adapters

- » SSH Adapter- Basics, Configuration and Activation on the Grid
- » Design and Development of a Workflow for the L1 operator Use Case
- » Add the Operator Dialog Box
- » Export and Activate the Module to the Grid
- » Using the Operator Control Panel

### Module 6: Using the Operations Actions Modules

- » Understanding the Operations Actions Modules
- » Populating the Concept - Connection Details
- » Designing and Developing a Workflow to Use an Operations Actions Module

### Module 7: Using the Transform Editor

- » XML Basics
- » Using the Basic Transform Editor
- » Using the Advanced Transform Editor

### Module 8: Using the SQL Actor Adapter

- » Purpose of SQL Actor Adapter and Benefits
- » SQL Actor Adapter Configuration Prerequisite
- » Demo and Configure the SQL Actor Adapter
- » Design a Workflow to Execute a Query
- » Use of Loop
- » Browse Through Other SQL Workflows

### Module 9: Using the SQL Monitor Adapter

- » Differentiating Between Actor and Monitor Adapters
- » SQL Monitor Adapter – Basics, Configuration, and Activation on the Grid
- » Designing and Developing a Monitor Workflow

### Module 10: Using the SNMP Adapter

- » Design and Activate a SNMP Workflow on the Grid
- » View the output and Check the Log Files for Workflow Execution

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### Module 11: Using the HTTP Adapter

- » Purpose and Usage of HTTP Adapter
- » Configure and Activate the HTTP Adapter
- » HTTP get/put/post and delete Workflows
- » Demo and Implement the Use Case
- » Use of the Switch Activity

### Module 12: System Adapter

- » System Adapters
- » Using System Adapters in Workflow

### Module 13: Using the Debugger

- » Using the Debugger Tool within the Development Studio
- » Using the Breakpoint Manager

### Module 14: Creating a Schedule

- » Purpose of Scheduling
- » Creating a New Schedule Job
- » Scheduling via Grid Manager

### Module 15: Adding Compensation

- » Purpose of a Compensation
- » Add a Compensation