



Puppet Enterprise 501: Continuously Deliver

Private Training Service Description

Learn how to create prescriptive workflows using Continuous Delivery for Puppet Enterprise so that you can test and deploy Puppet code in a safe, consistent, and sustainable way.

Overview

In *Puppet Enterprise 501: Continuously Deliver*, you'll learn how to use Continuous Delivery for Puppet Enterprise to build pipelines for testing your Puppet modules and control repository so that you can test and deploy Puppet code across environments. This one-day, instructor-led course — with hands-on labs for both Linux and Windows users — gives you the tools to implement continuous delivery best practices.

Course Topics

In this course, you'll learn how to:

- Integrate Continuous Delivery for Puppet Enterprise with Puppet Enterprise and GitLab source control to automate end-to-end testing and deployment of Puppet code.
- Create and manage workspaces that team members can use to share access to key Continuous Delivery for Puppet Enterprise resources, such as control repositories, modules, and jobs.
- Design continuous delivery pipelines using the web UI or YAML code to validate syntax, unit test your Puppet code and modules, and automatically deliver code where it's needed.
- Create custom deployment policies to meet your needs.
- Generate impact analysis reports to visualize how your changes will impact your production environment — *before* you deploy code.
- Design an event-driven workflow that deploys changes to a test environment, further automating your deployment workflow.
- Promote changes to a production environment safely and efficiently, minimizing delivery risk and system downtime.

Concepts covered include:

- Continuous delivery
- Workspaces
- Module and control repository pipelines
- Impact analysis
- Built-in and custom deployment policies

Course Agenda

Class duration is about 8 hours including 10-minute breaks throughout the day and a one-hour break for lunch. Topics covered include:

Welcome and objectives

Configure Continuous Delivery for Puppet Enterprise

 Lab 1.0 Configure Continuous Delivery for Puppet Enterprise

Test a module in a pipeline

Lab 2.0 Create a module pipeline
Lab 2.1 Create a control repository pipeline
Deploy changes to the control repository with a pipeline
Lab 3.0 Deploy changes to a test environment
Lab 3.1 Deploy changes to production
Course conclusion

Delivery Options

This instructor-led course is taught in a cloud-hosted classroom environment and can be delivered virtually or at your facility.

Prerequisites

This course is for you if you're familiar with the basics of Puppet software and are a site reliability engineer (SRE), sysadmin, or DevOps engineer who manages Windows or Linux. You should already know how to complete these tasks in Puppet Enterprise:

- Build, extend, and test modules that are self-contained and encapsulate the components of a given software application.
- Designate node groups so that you can deploy code to specific environments.
- Perform unit testing and syntax validation using Puppet Development Kit.

We also strongly recommend that you take the first three courses in this series: [Puppet Enterprise 101: Deploy & Discover](#), [Puppet Enterprise 201: Design & Manage](#), and [Puppet Enterprise 301: Develop & Maintain](#).

Class Maximum

The attendee limit for this course is 15 students.

Technical Requirements

Puppet courses have specific technical requirements. You will need access to Zoom to access this course. For the best classroom experience, we recommend that you use two monitors and we also recommend using [Google Chrome](#) as your browser. Mozilla Firefox, Apple Safari, and Microsoft Edge are not suitable for this class.

To access the labs used in class, you must [create a free account](#) with our Practice Lab partner, Instruqt. We recommend having your Instruqt login credentials ready when you come to class.

Fees

Product Description	Length	Amount
PE501: Continuously Deliver	1 day	\$6,000.00

This class will be delivered virtually unless the Customer and Puppet mutually agree that the class will be delivered onsite at the Customer's facility. Onsite delivery requires a minimum of 2 days of private training scheduled consecutively, and the Customer will be responsible for travel and expenses in addition to the fees above. A travel and expense estimate will be provided on the quote and billed at actuals not to exceed the estimate unless otherwise specified in the quote that travel and expenses will be invoiced in full at the time of purchase. Any quote that does not include a travel and expense estimate will be performed remotely.