PE 101: Deploy & Discover Private Training Service Description

In *Puppet Enterprise 101: Deploy & Discover,* you'll take the first step toward ensuring audit and compliance at scale by deploying Puppet Enterprise (PE) and using it to gather and inspect information about the systems in your infrastructure.

Overview

Install Puppet Enterprise, deploy Puppet agents, and discover what's installed on your infrastructure in **Puppet Enterprise 101: Deploy & Discover**. This one-day, instructor-led course — with hands-on labs for both Linux and Windows users — gives you the tools for achieving your organization's infrastructure automation, compliance, and security goals.

Course Topics

In this course, you'll learn how to:
- Install and configure PE 2019.8.
- Deploy Puppet agents at scale.
- Enable secure communication by configuring certificate autosigning.
- Gather information about systems in a simulated brownfield environment.
- Assign roles to systems on your network so that later you can group them by purpose.

Puppet and PE concepts covered in this course include:
- PE console
- Role-based access control (RBAC)
- Puppet Server services
- Puppet run cycle
- Facter and facts
- Puppet resources
- Resource abstraction layer
- Package Inspector and package management

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
Install Puppet Enterprise
      Lab 1.0 Install the primary server
      Lab 1.1 Configure user access
Install Puppet Agents
      Lab 2.0 Install Puppet agents
      Lab 2.1 Configure agent certificate autosigning
      Lab 2.2 Configure additional agent package platforms
Discover the Environment
      Lab 3.0 Identify your nodes by using external facts
      Lab 3.1 Identify packages and server roles by using package data collection
      Lab 3.2 Establish server roles by reinstalling agents with trusted facts
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

If you're new to Puppet software and are a competent-to-experienced site reliability engineer (SRE), sysadmin, or DevOps engineer who manages Windows or Linux infrastructure, then this course is for you if you:

- Want to orchestrate and perform as-needed tasks on your server infrastructure at scale.
- Want to minimize toil and have more time to do the projects that matter.
- Have some experience working with a command-line interface.
- Have some experience managing a fleet of systems.

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
PE101: Deploy & Discover	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.