

DEVOPS

INTERMEDIATE

5 DAYS

Configuration Management with Puppet

Build a strong foundation in configuration management using Puppet by understanding its architecture and core components. Learn how to install, configure, write, and manage Puppet manifests and modules while applying best practices to automate and maintain reliable infrastructure.

Why Puppet?

Automation

Puppet allows you to automate repetitive tasks which can help reduce the time and effort required to manage your IT infrastructure, which can increase productivity and efficiency.

Scalability

Puppet is designed to scale which helps businesses grow and expand their IT capabilities without having to worry about managing their infrastructure manually.

Consistency

By ensuring that your IT infrastructure is consistent and compliant, Puppet helps reduce the risk of errors and security breaches caused by manual configuration changes.

What you'll be able to do

- ✓ Gain a solid understanding of Puppet Architecture
- ✓ Learn how to install and configure Puppet
- ✓ Learn how to write and manage Puppet manifests
- ✓ Learning how to Manage Puppet Modules
- ✓ Learning how to Implement Puppet Best Practices

Who this is for

- System administrators
- DevOps engineers
- IT operations professionals
- Cloud architects
- Software developers
- IT managers

Curriculum

01 Configuration Management Foundations

- Apply configuration management foundations with Puppet in practical DevOps workflows
- Complete hands-on labs with realistic scenarios
- Validate outcomes, logs, and failure modes
- Capture reusable patterns for team standards

02 Puppet Getting Started

- Apply puppet getting started with Puppet in practical DevOps workflows
- Complete hands-on labs with realistic scenarios
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03 Puppet Language Essentials

- Apply puppet language essentials with Puppet in practical DevOps workflows
- Complete hands-on labs with realistic scenarios
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04 Modules

- Apply modules with Puppet in practical DevOps workflows
- Complete hands-on labs with realistic scenarios
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05 Node Classification

- Apply node classification with Puppet in practical DevOps workflows
- Complete hands-on labs with realistic scenarios
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06 Manifests and Hierarchical

- Apply manifests and hiera with Puppet in practical DevOps workflows
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07 Files, Packages, and Services

- Apply files, packages, and services with Puppet in practical DevOps workflows
- Complete hands-on labs with realistic scenarios
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08 Advanced Topics

- Apply advanced topics with Puppet in practical DevOps workflows
- Complete hands-on labs with realistic scenarios
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09 Troubleshooting

- Apply troubleshooting with Puppet in practical DevOps workflows
- Complete hands-on labs with realistic scenarios
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10 Best Practices

- Apply best practices with Puppet in practical DevOps workflows
- Complete hands-on labs with realistic scenarios
- Validate outcomes, logs, and failure modes
- Capture reusable patterns for team standards