

Devops :- 30 days – 30 hrs

Fundamental of DevOps

- Introduction
- History
- Culture
- Automation
- Monitoring metrics
- Sharing

DevOps Tools

- Provisioning tools
- Configuration management tools
- Application deployment tools
- Monitoring tools
- Version control tools
- Performance tools
- Test and build tools

Chef

- Chef Introduction
- History
- Chef tools/Components
- Installing/Setting up
- Data bags, templates, etc
- Writing chef recipies
- Extending Chef
- Applications/Scope

Puppet

- Puppet Introduction
- History
- Puppet tools/Components
- Installing/Setting up
- Writing puppet modules

- Puppet DSL
- Roles and Profiles
- Hiera
- Applications/Scope

Jenkins

- Jenkins Introduction
- History
- Configuring Jenkins
- Writing Jobs
- Jenkins integration with other tools
- Continuous Integration
- Continuous Delivery

Docker

- Docker Introduction
- History
- What are containers?
- Why should I use it?
- Docker Engine/Architecture?
- Install/Running Docker
- Interaction with underlying vm
- Docker orchestrators
- Applications/Scope of Docker

AWS

- Introduction and History of AWS
- AWS Infrastructure: Compute, Storage, and Networking
- AWS Security, Identity, and Access Management
- AWS Databases
- AWS Management Tools