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## Introduction to Ansible

### Course details

Duration: 1 day

Cost: \$760 (ex gst)

To register email: [training@catalyst.net.nz](mailto:training@catalyst.net.nz)

### About the course

This course provides an approachable introduction to automation. It provides students with the knowledge and tools to automate the building of Linux servers in a cloud environment using Ansible. It requires no previous experience with the cloud or other automation tools. The course is suitable for anyone who has set up a Linux machine and wants to learn how to automate the process.

You will learn to install Ansible and use it to run commands on remote servers. You will progress to writing playbooks to automate the creation of cloud resources and the configuration of Linux servers.

The course does not cover automating the configuration of Windows servers or networking hardware.

### Course outline

- Introduction
  - Background
  - Types of Automation
- Ansible Background
- Installing Ansible
- Ansible Terminology
- Ad hoc Commands
- Configuration Management
- Variables
- Ansible Templates
- Iteration and Conditionals
- Ansible Vault
- Filters
- Infrastructure as Code
- Provisioning
- Wrap Up

Note: These are the topics normally covered but might alter slightly depending on the needs of the trainees.

### Target audience

Anyone interested in learning how to automate building servers or cloud infrastructure.

### Prerequisites

You should be willing to use a Linux terminal. Any skill level is welcome, although the course is geared towards people with some exposure to using Linux servers. No previous experience with Ansible, other automation tools or the cloud is necessary.