**Getting Started & Setting up Terraform**

Various tools that allow to deploy infrastructure as code(IaC):

* Terraform
* CloudFormation
* Heat
* Ansible
* SaltStack
* Chef, Puppet etc.,

🡺 ***Configuration management tools*** are primarily designed to install and manage software on existing servers.

Ansible, Chef, Puppet

🡺 ***Infrastructure Orchestration tools*** primarily provision the servers and infrastructure by themselves.

Terraform, CloudFormation

🡺 ***Configuration Management*** tools do some degree of infrastructure provisioning.

=> Some tools are better fit for certain types of tasks.

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| **Download Terraform** |

Download the terraform for macOS from <https://developer.hashicorp.com/terraform/downloads>

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| **Choose IDE for Terraform** |

You need to have right set of source code editor. Example: Atom, Visual Studio Code.

We will be using Visual Studio code as primary editor in this course.

<https://code.visualstudio.com>

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We need to add the project folder in the Visual Studio Code.

Open folder -> Navigate -> kplabs-terraform

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**Visual Studio Code Extensions:**

***Install the below extension in Visual Studio Code for better experience like color highlights.***

* **HashiCorp Terraform – Syntax Highlight**

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* With Extensions

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**Note: Create an AWS account**