



Hashicorp 101 : Let's dive in

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@NomadicMehul





- > It is a tool to create and manage development environments for virtual software
- > supports creation and management of environments for VirtualBox, VMware, Microsoft Hyper-V and many more
- > This tool's aim is to simplify configuration management of virtual environments by automating configurations.



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Packer

- > Packer is a tool that automates the creation of images for platforms including AWS, Docker, OpenStack, VMware, and VirtualBox.
- > Plugins provide support for other platforms. Packer users can create multiple identical images from a single source configuration to live on multiple platforms.
- > Packer does not replace configuration management tools; instead, it uses configuration management tools such as Chef, Ansible, etc.



- > Nomad is a cluster manager and scheduler for application deployment across an IT infrastructure.
- > Nomad schedules applications and other services for deployment on Windows, Linux, and Mac OSes.
- > Support is also included for containerized and virtualized applications



- > Terraform is an infrastructure as code tool that automates infrastructure provisioning on cloud platforms, including AWS, GCP, OpenStack and Azure.
- > Terraform enables users to define a data center infrastructure in a configuration language to then create an execution model for a cloud-based infrastructure.
- > Users can convert APIs to declarative files to share amongst a team.



- > Vault is a tool to manage keys and secrets in distributed systems.
- > Vault enables IT teams to control access to tokens, passwords, encryption keys, and certificates to protect any potentially sensitive data.
- > Vault includes features such as storage backends for encrypted data, isolated Namespaces, secure plugins, detailed audit logs, lease and revoking of secrets, and more.



- > Consul is a tool for the deployment, configuration and maintenance of service-oriented architectures (SOA).
- > This HashiCorp tool is a distributed service mesh, which will connect, secure, and configure runtimes in public and private cloud platforms
- > Consul provides key-value storage, RPC, service discovery based on DNS, and more



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Mastering DevOps:
A Step-by-Step
Roadmap for
Beginners to
become
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