



KPLABS Course

HashiCorp Certified: Consul Associate

Consul Enterprise

ISSUED BY

Zeal

REPRESENTATIVE

instructors@kplabs.in



Module 1: Overview of Consul Enterprise

Consul Enterprise includes capabilities that improve failure resilience, read scalability, and managing access in accordance with organizational policies.

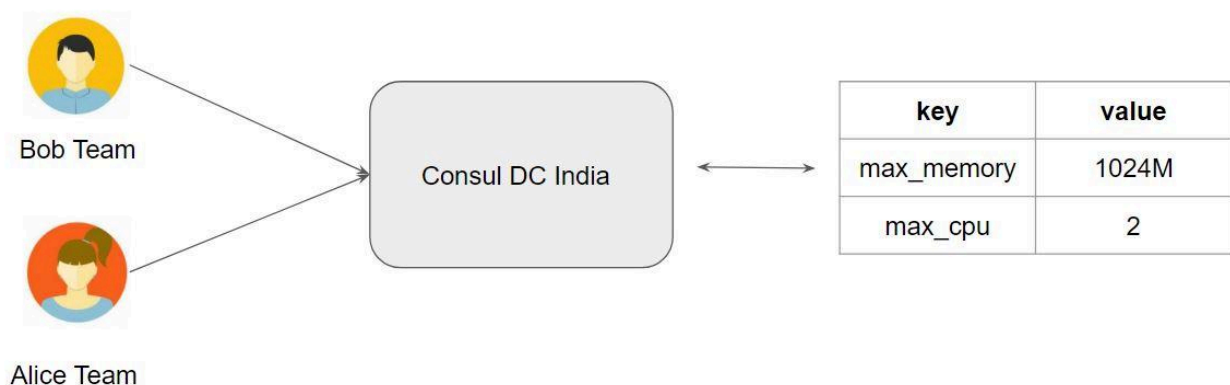
Some of the unique features include:

- Audit Logging
- Automated Backups
- Namespaces
- Redundancy Zones
- Automated Upgrades
- Enhanced Read Scalability

Module 2: Consul Namespaces

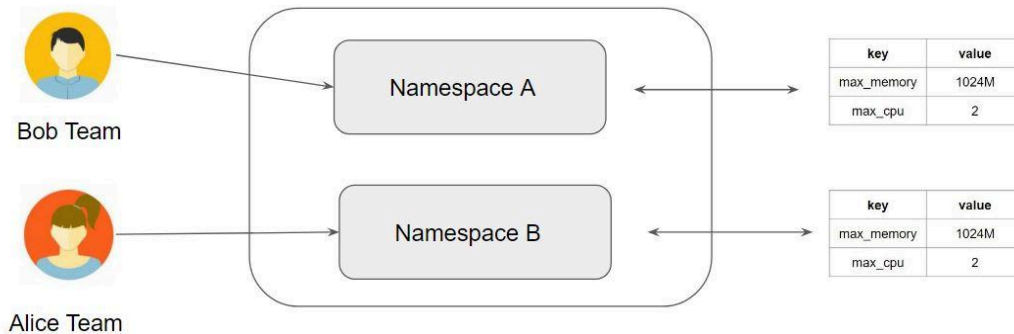
2.1 Understanding the Challenge

Namespaces provide separation for teams within a single organization enabling them to share access to one or more Consul datacenters without conflict.



2.2 Overview of Namespaces

Namespaces provide separation for teams within a single organization enabling them to share access to one or more Consul datacenters without conflict.



Module 3: Automated Backups in Enterprise

Consul Snapshot Agent is an enterprise-only feature that automatically manages on taking snapshots, backup rotation, and sending backup files offsite to Amazon S3

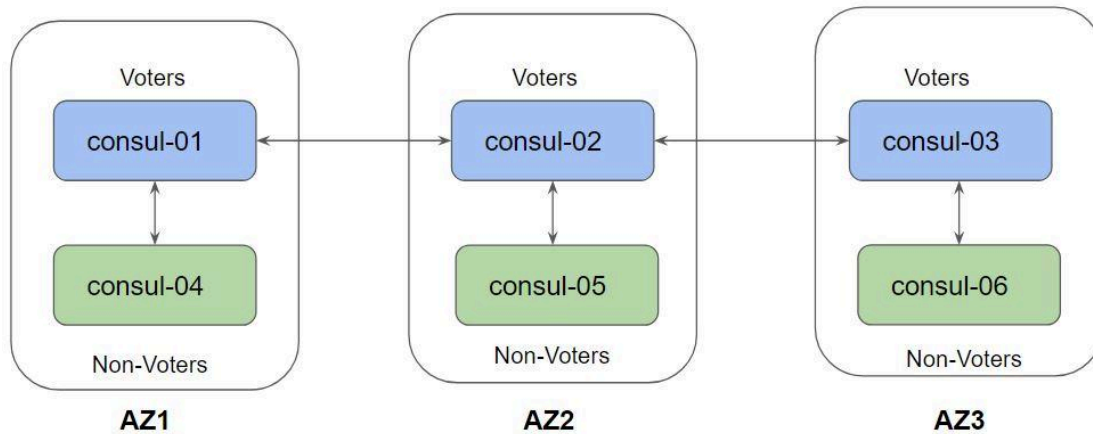
Consul Enterprise enables you to run the snapshot agent within your environment as a service like systemd.

```
[root@consul-01 ~]# consul snapshot agent
==> Consul snapshot agent running!
      Version: 1.8.6+ent
      Datacenter: (default)
      Interval: "1h0m0s"
      Retain: 30
      Stale: false
      Local Scratch: /root
      Mode: daemon
      Service: "consul-snapshot"
      Deregister After: "72h0m0s"
      Lock Key: "consul-snapshot/lock"
      Max Failures: 3
      Snapshot Storage: Local -> Path: "/root"
```

Module 4: Overview of Redundancy Zones

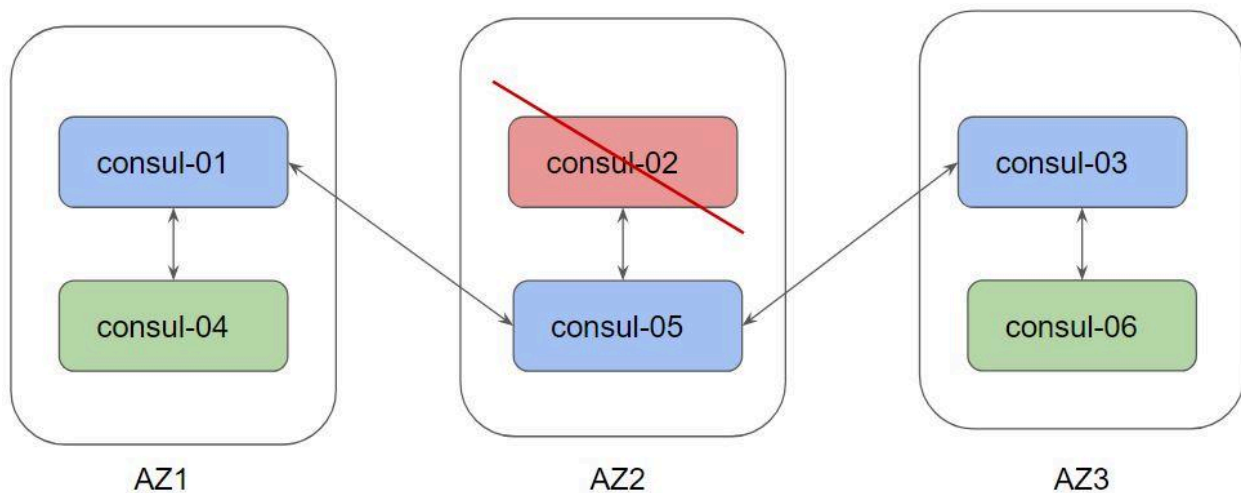
4.1 Overview of Redundancy Zones

Redundancy zones is a Consul autopilot feature that makes it possible to run one voter and any number of non-voters in each defined zone.



4.2 Use-Case

If only the voter is lost in an availability zone, the autopilot will promote the non-voter to voter automatically, putting the hot standby server into service quickly.



4.3 Important Note

Non-voting servers still receive data from the cluster replication, however, they do not take part in quorum election operations.