



Getting Started with HashiCorp Consul

Objective 2 - Lab Guide

1. Starting Consul 'dev' mode
 - a. `$ consul agent -dev`
2. Determine the version of Consul installed on the host
 - a. `$ consul version`
3. Install Consul on the node
 - a. Download binaries from <https://releases.hashicorp.com>
 - i. `curl -silent -Lo /tmp/consul.zip <consul_url>`
 - b. Unzip
 - i. `Unzip consul.zip`
 - c. Move binaries to PATH
 - i. `sudo mv consul /usr/local/bin`
4. Configure systemd file for systemctl
 - a. Download file at <https://github.com/btkrausen/hashicorp/blob/master/consul/consul.service>
 - b. Place file at `/etc/systemd/system/consul.service`
 - c. Configure based upon requirements and networking for Consul node
5. Modify the Consul configuration file
 - a. Download from <https://github.com/btkrausen/hashicorp/blob/master/consul/config.hcl>
 - b. Place file at `/etc/consul.d/config.hcl` (or wherever you want to store it)
 - c. Configure based on requirements and networking for Consul node
6. Start the Consul service
 - a. `sudo systemctl start consul`
7. Repeat for additional Consul server nodes

Note: The configuration shown in this lab session is for demonstration purposes only and not suitable for production. You will need to ensure you enable all the security features that are discussed throughout the course. This includes the addition of TLS certificates, Gossip encryption, and any additional configuration deemed necessary by your organization.