



Getting Started with HashiCorp Consul

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Objective 2: Deploy a Single Datacenter



Objective 2a: Start and manage the Consul process

- command-line arguments
 - config-file or -config-dir
- dev mode
 - how to start dev mode
 - in memory
- consul agent
 - usually part of a service manager to start/stop Consul service



Objective 2b: Interpret a simple Consul agent configuration

- using a configuration file
 - hcl or json
 - go over a configuration file
 - link to the config file on github
- server or client mode
- define datacenter name
- data-dir information
- log_level
- encrypt configuration
- consul reload command



Objective 2c: Configure Consul network addresses and ports

- DNS bind to port and redirection
- advertise address for clients (sitting behind NAT device)
 - advertise command line argument
- bind - use for internal cluster communications



Objective 2d: Choose a method for joining existing nodes

- command-line vs. configuration file
- join using dns name, IPv4, IPv6
- join vs. retry_join
 - start in random order
- auto join using cloud metadata
- bootstrap-expect
- consul leave
- Consul members