

Consul Cheatsheet

Connection

consul

Main binary to interact with Consul

consul agent -dev

Start a development Consul agent

consul connect

Connect to the Consul agent

consul info

Display information about the local Consul agent

Service Discovery

consul catalog services

List all registered services

consul catalog nodes

List all registered nodes

consul catalog service <service-name>

List all instances of a service

consul catalog node <node-name>

List all services registered on a node

Key-Value Store

consul kv put <key> <value>

Put a value in the key-value store

consul kv get <key>

Get a value from the key-value store

consul kv delete <key>

Delete a key-value pair

consul kv export [prefix]

Export KV data

consul kv import <data>

Import KV data

Health Checks

consul members

List members of the Consul cluster

consul monitor

Stream logs from a Consul agent

consul reload

Reload agent configuration

consul health service <service-name>

Check health of a service

consul health checks <service-name>

List checks for a service

consul health state <state>

List checks in a state (critical, warning, passing)

ACL

consul acl bootstrap

Bootstrap the ACL system

consul acl token create

Create a new ACL token

consul acl token list

List ACL tokens

consul acl policy create

Create an ACL policy

consul acl role create

Create an ACL role

DNS Interface

dig @127.0.0.1 -p 8600 <service-name>.service.consul

Query DNS for service address

dig @127.0.0.1 -p 8600 <service-name>.service.consul SRV

Query DNS for service SRV record

HTTP API

curl http://localhost:8500/v1/catalog/services

List all registered services via HTTP API

curl http://localhost:8500/v1/health/service/<service-name>

Check health of a service via HTTP API

curl http://localhost:8500/v1/kv/<key>

Get a value from KV store via HTTP API

curl -X PUT -d <value> http://localhost:8500/v1/kv/<key>

Put a value in KV store via HTTP API