



Getting Started with HashiCorp Consul

Objective 8 - Lab Guide

Prerequisite

- Create new file called token.txt and add write token to file
 - a) `$ sudo vi token.txt`
- 1. Set the Consul ACL token environment variable to the token value
 - a. `$ export CONSUL_HTTP_TOKEN=<token>`
- 2. Create a new policy to validate you don't need to use the -token parameter
 - a. `$ consul acl policy create -name "test" -rules @rules.hcl`
- 3. Unset the value for the CONSUL_HTTP_TOKEN environment variable
 - a. `$ unset CONSUL_HTTP_TOKEN`
- 4. Create a new policy to validate that the token is no longer provided (this should fail with a permission denied)
 - a. `$ consul acl policy create -name "test" -rules @rules.hcl`
- 5. Display the token stored in the file named token.txt
 - a. `Cat token.txt`
- 6. Create a new policy while using the -token-file parameter to authenticate with the ACL token
 - a. `$ consul acl policy create -name "test123" -rules @rules.hcl -token-file token.txt`
- 7. Set the Consul token file environment variable to the location of the token file (token.txt)

a. **\$ export CONSUL_HTTP_TOKEN_FILE=token.txt**

8. Create a new policy to validate that the command is using the CONSUL_HTTP_TOKEN_FILE environment variable to authenticate

a. **\$ consul acl policy create -name "test456" -rules @rules.hcl**

9. Use the -token parameter to create a new policy

a. **\$ consul acl policy create -name "test789" -rules @rules.hcl -token <token>**