Configure FQDN Based Object for Access Control Rule

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Introduction

This document describes the configuration of the Fully Qualified Domain Name (FQDN) object through the Firewall Management Center (FMC) and how to use FQDN object in the access rule creation.

Prerequisites

Requirements

Cisco recommends that you have knowledge of these topics:

- Knowledge of Firepower Technology.
- Knowledge of configuring access control policy on Firesight Management Center (FMC)

Components Used

The information in this document is based on these software and hardware versions:

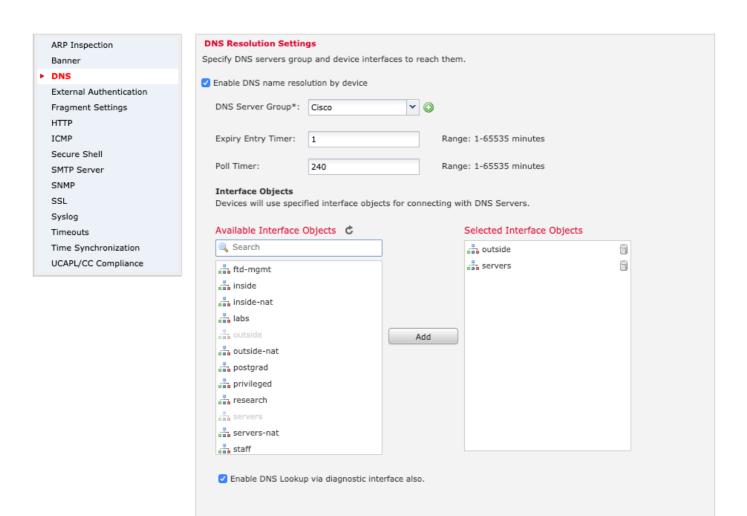
- Firepower Management Center running version 6.3 and above.
- Firepower Threat Defense running version 6.3 and above.

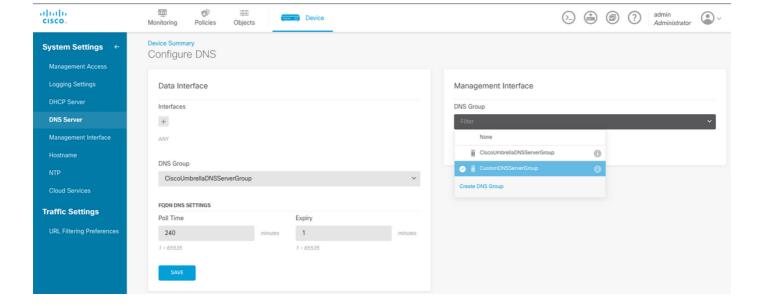
The information in this document was created from the devices in a specific lab environment. All of the devices used in this document started with a cleared (default) configuration. If your network is live, ensure that you understand the potential impact of any command.

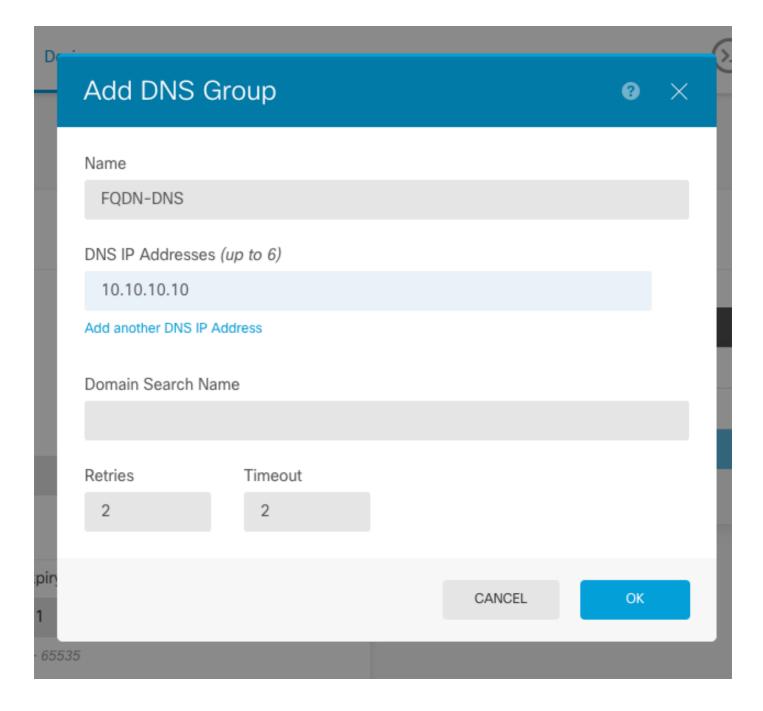
Configure

Step 1. In order to configure and use FQDN based object, first, configure DNS on the Firepower Threat Defense.

Login to the FMC and navigate to **Devices > Platform Settings > DNS**.

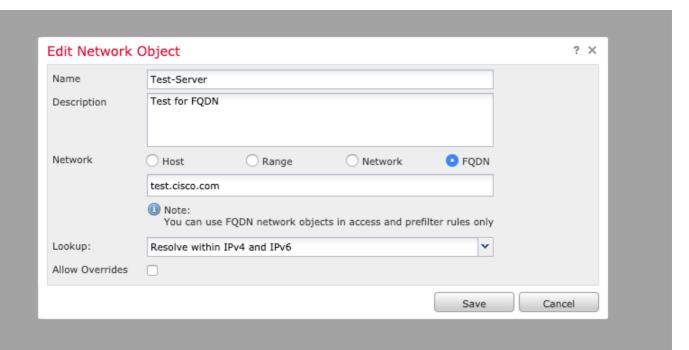


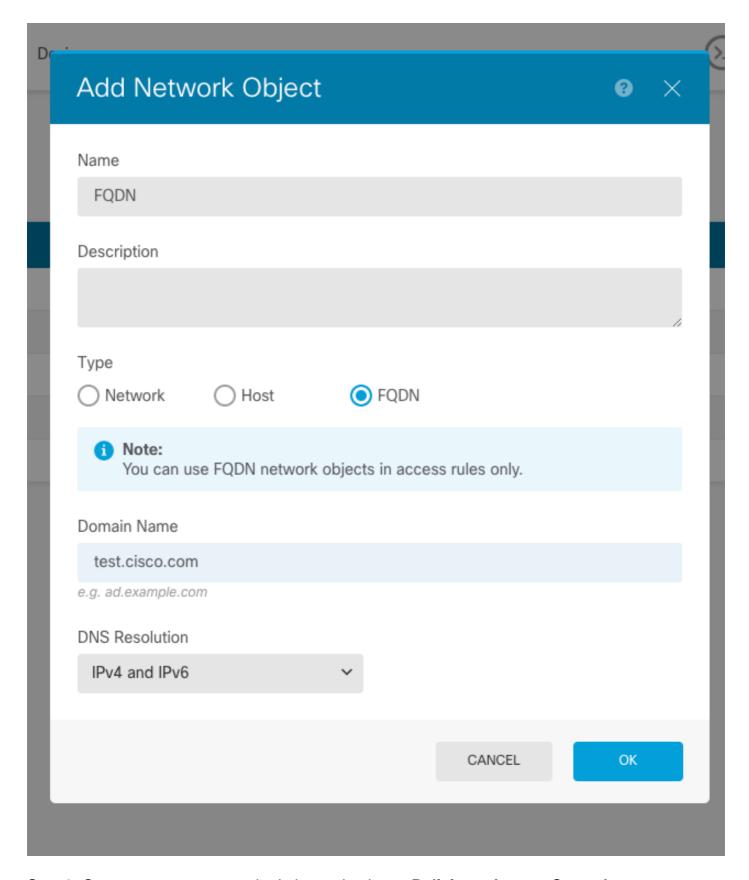




Note: Ensure that the System Policy is applied to the FTD after configuring the DNS. (The DNS server configured should resolve the FQDN that will be used)

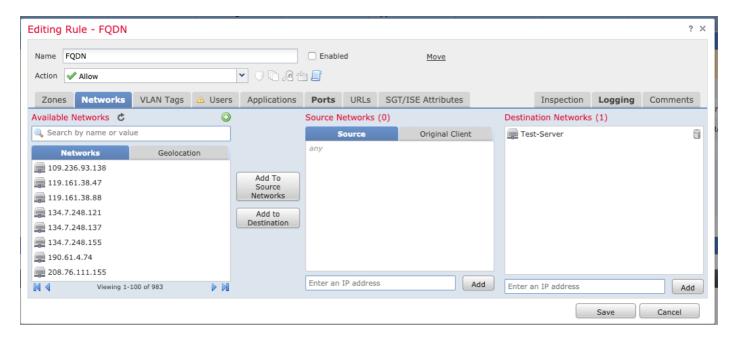
Step 2. Create the FQDN Object, in order to do that navigate to **Objects > Object Management > Add Network > Add Object.**

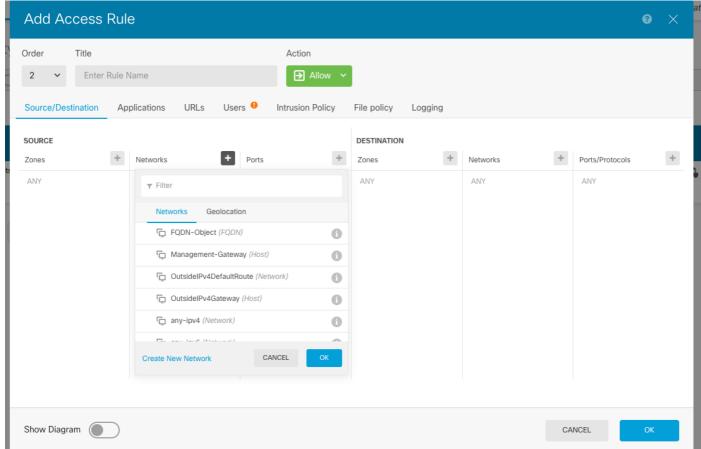




Step 3. Create an access control rule by navigating to **Policies > Access Control**.

Note: You can create a rule or modify the existing rule based on the requirement. The FQDN object can be either used in Source and/or Destination Networks.





Ensure that the policy is applied after the configuration is completed.

Verify

Initiate traffic from the client machine which is expected to trigger the FQDN based rule created.

On the FMC, navigate to **Events > Connection Events**, filter for the specific traffic.



Troubleshoot

The DNS server should be able to resolve the FQDN object, this can be verified from the CLI runs these command:

- system support diagnostic-cli
- show fqdn

.