Configure Custom Port for RAVPN on FTD Managed by FMC

Contents

Introduction

This document describes the procedure to configure Custom Port for SSL and IKEv2 AnyConnect on Firepower Threat Defense (FTD) managed by FMC.

Prerequisites

Requirements

Cisco recommends that you have knowledge of these topics:

- Basic understanding of Remote Access VPN (RAVPN)
- Experience with Firepower Management Center (FMC)

Components Used

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

- Cisco FTD - 7.6
- Cisco FMC - 7.6
- Windows 10

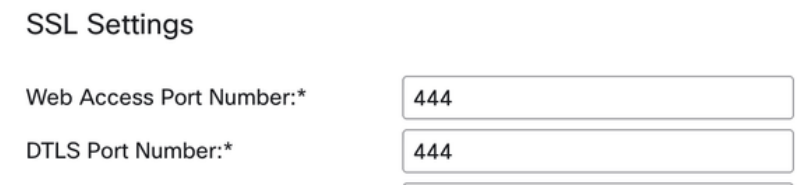
The information in this document was created from the devices in a specific lab environment. All of the devices used in this document started with a cleared (default) configuration. If your network is live, ensure that you understand the potential impact of any command.

Configurations

SSL/DTLS Port Change for AnyConnect

1. Navigate to **Devices > VPN > Remote Access** and **edit** the existing Remote Access policy.

2. Navigate to **Access Interfaces** section and **change** the **Web Access Port Number** and **DTLS Port Number** under **SSL settings** to a port of your choice.



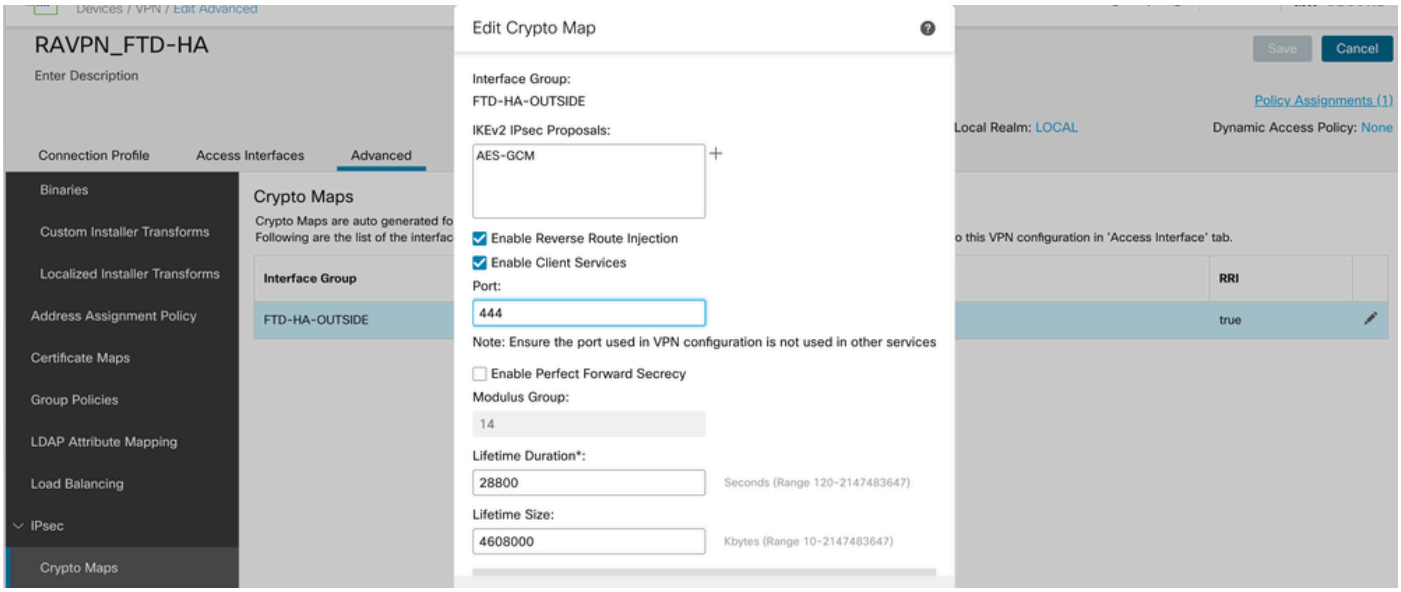
SSL and DTLS Port Change for AnyConnect

3. **Save** the Configuration.

IKEv2 Port Change for AnyConnect

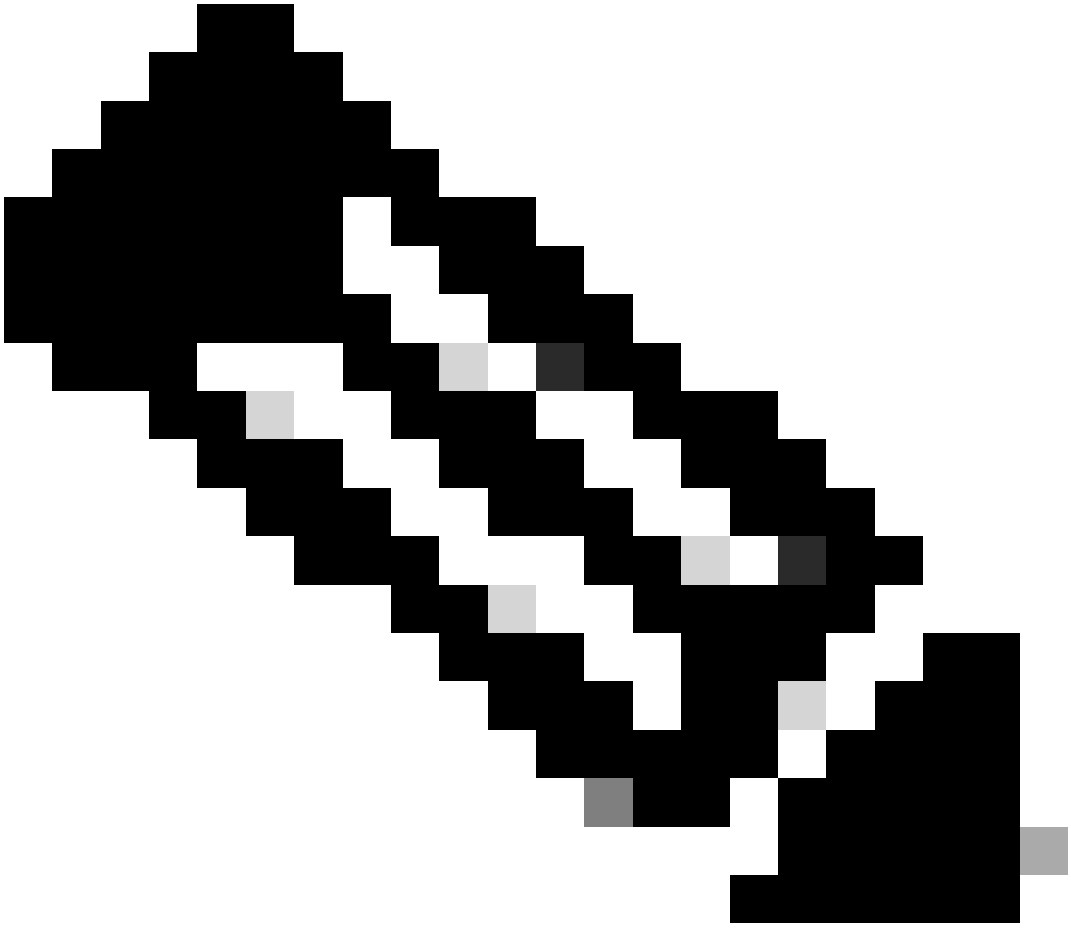
1. Navigate to **Devices > VPN > Remote Access** and **edit** the existing Remote Access policy.

2. Navigate to **Advanced** section and then navigate to **IPsec > Crypto Maps**. **Edit** the policy and **change** the Port to your desired port.



IKEv2 Port Change for AnyConnect

3. **Save** the Configuration and **Deploy**.



Note: When using Custom Port along with AnyConnect Client Profiles, do note that the host address field in the server list must have X.X.X.X:port (192.168.50.5:444) for the connectivity.

Verify

1. Post deployment, the configuration can be verified with the **show run webvpn** and **show run crypto ikev2** commands:

```
<#root>

>

show run webvpn

webvpn

port 444  <----- Custom Port that has been configured for SSL

enable outside
```

```
dtls port 444 <----- Custom Port that has been configured for DTLS


http-headers
  hsts-server
   enable
   max-age 31536000
   include-sub-domains
   no preload
  hsts-client
   enable
  x-content-type-options
  x-xss-protection
  content-security-policy
anyconnect image disk0:/csm/cisco-secure-client-win-X.X.X.X-webdeploy-k9.pkg 1 regex "Windows"
anyconnect enable
tunnel-group-list enable
cache
  disable
error-recovery disable
```

<#root>

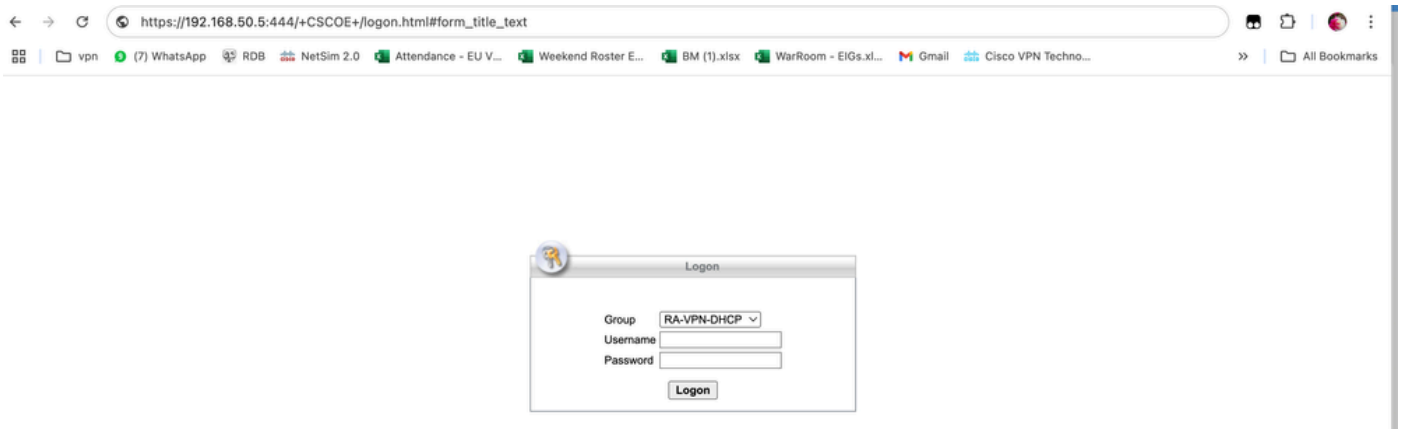
>

```
show run crypto ikev2


crypto ikev2 policy 10
 encryption aes-gcm-256 aes-gcm-192 aes-gcm
 integrity null
 group 21 20 19 16 15 14
 prf sha512 sha384 sha256 sha
 lifetime seconds 86400

crypto ikev2 enable outside client-services port 444 <----- Custom Port configured for IKEv2 Client Serv
```

2. Verify by accessing Remote Access from browser/AnyConnect Application with Custom Port:



Verify by Accessing AnyConnect with Custom Port

Troubleshoot

- Ensure that the port used in Remote Access configuration is not used in other services.

- Ensure that the port is not blocked by ISP or any Intermediate devices.
- Captures on FTD can be taken to verify if packets are reaching the firewall and response is being sent or not.