

Configuration Profiles

Profiles provide a composite of the configurations created in Networks and Network Services. It also adds configuration for Business Policy and Firewall rules. Profiles have four tab pages: **Profile Overview**, **Device**, **Business Policy**, and **Firewall**.

Create a New Profile

After a new installation, the VeloCloud Orchestrator has the following predefined Profiles: Internet Profile, VPN Profile, and as the 3.0 release Segment Based profiles.

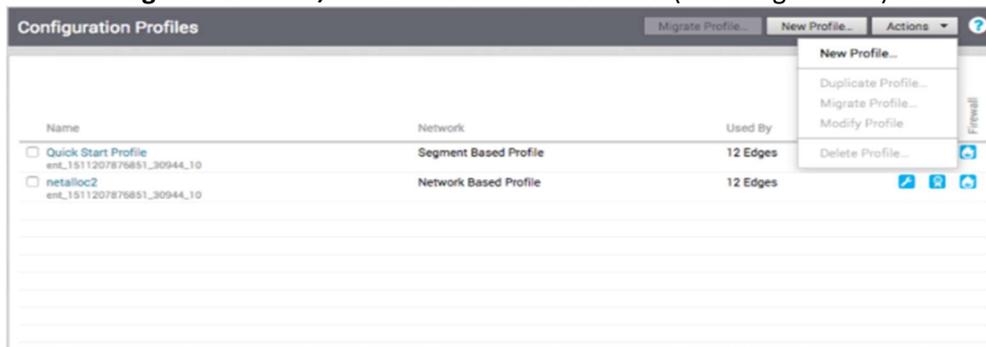
IMPORTANT NOTE: With the Segmentation feature introduced in the 3.0 release, edges running the software prior to 3.0 could have a Network Based Configuration or a Segmentation Based Configuration. ***Because of this transition, you must migrate/convert the Network based profile to the Segment based profile.**

The following steps are typically followed when creating a new Profile:

- Create a new Profile
- Configure Device
 - o Select Network
 - o Assign Authentication/DNS
 - o Configure Interface Settings
- Enable Cloud VPN
- Configure Business Policy
- Configure Firewall
- Review Profile Overview

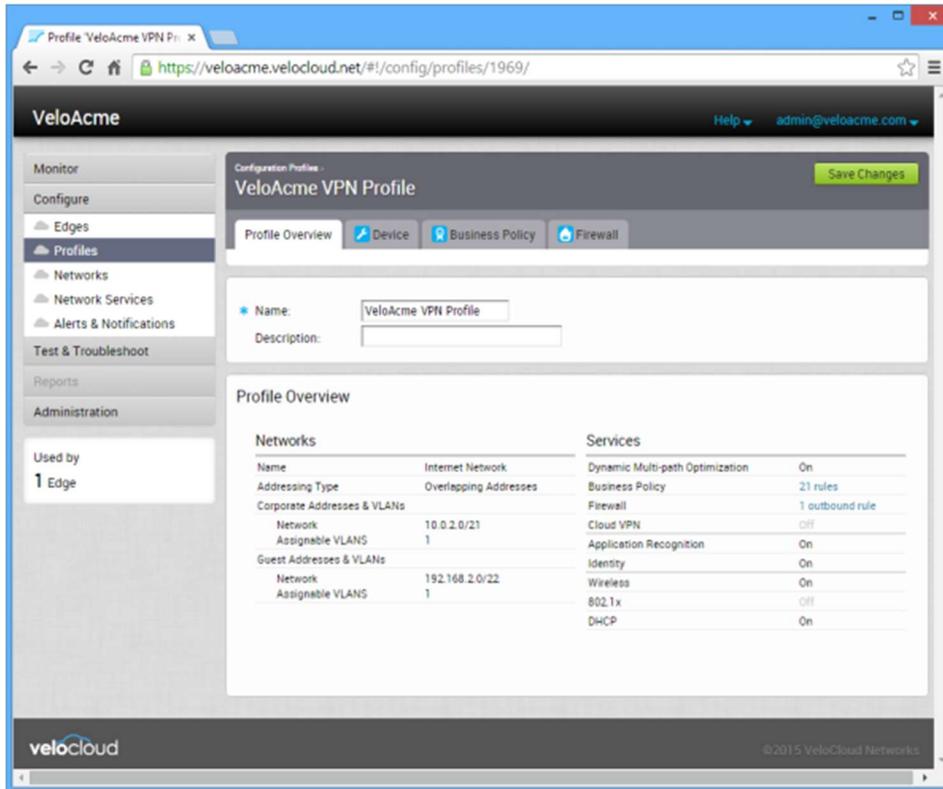
To Create a New Profile:

1. Go to **Configure ->Profiles**, click the **New Profile** button (see image below).



2. In the **New Profile** dialog, enter a Profile Name and Description in the appropriate textboxes.
3. Click the **Create** button.

The **Profile Overview** tab page updates. See image and section below (**Profile Overview Page**) for more information.



Profile Overview Page

A **Profile Overview** page is a display that provides a quick summary of all Networks and Services that are defined in the profile. The overview is divided into two categories (see the following screen capture):

- **Networks** – has the name of the Network configuration used, the type of addressing, and the Network addresses and VLANs assigned to the Corporate and Guest networks.
- **Services** – has a summary of the services provided by the VeloCloud system.

After all settings have been entered for the Profile Device, Business Policy, and Firewall pages, the **Profile Overview** page should reflect the configurations you have performed.

Network to Segment Migration

In 3.2, the Profile Migration feature is introduced to help simplify the workflow to upgrade Edges from Network Based Profiles to Segment Based Profiles. This document provides the workflow and details on

how to upgrade a 2.x Edge with a Network Based Profile to 3.x with a Segment Based Profile as following:

- [Step 1: Network-based Profile to Segment-based Profile Cloning and Conversion](#)
- [Step 2: Assign Segment-based Profile to a Network-based Edge](#)
- [Step 3: Create a New Segment-based Operator Profile with 3.X Edge Software Image](#)
- [Step 4: Operator Profile Assignment](#)

See the sections below for detailed instructions for the above steps.

IMPORTANT NOTE: Since 3.x Edges only understand Segment Based Profiles, the 3.2 image update will get pushed out to the Edge only if the Edge has a Segmented Profile assigned. Once a Segment Based Profile is assigned to an Edge, it cannot be reassigned to a Network Based Profile. The transition from a Network Based Profile to a Segment Based Profile is supported, but a Segment Based Profile to a Network Based Profile is not supported.

Step 1 Network-based Profile to Segment-based Profile Cloning and Conversion

1. From the VeloCloud Orchestrator, go to **Configure > Profiles**.
2. Select a Network Based Profile by clicking the checkbox next to the name of the configuration profile.
3. From the **Actions** drop down menu, choose **Migrate Profile**.



4. In the **Migrate Profile** dialog, type in a name and description for the profile.
5. Click the **Create** button.

Migrate Profile ✕

Original profile will not change and a new segment based profile will be created as a result of this operation.

From Profile: Quick Start VPN 1

* Name:

Description:

Create
Cancel

A new Segment Based Profile is created with the same settings in the Global Segment as the old Network Based Profile. See image below. Please note that no Edges are assigned to this Profile.

Configuration Profiles Migrate Profile New Profile... Actions ?						
Name	Network	Used By	Device	Bus_Policy	Firewall	
<input type="checkbox"/> Quick Start Internet	Internet Network	0				
<input type="checkbox"/> Quick Start VPN	VPN Network	0				
<input type="checkbox"/> Quick Start VPN 1	Internet Network	0				
<input type="checkbox"/> Quick Start VPN 1_Segmented <small>Quick Start VPN 1_Segmented was migrated from Quick Start VPN 1 on 2:21 20/02/2018</small>	Segment Based Profile	1 Edge				

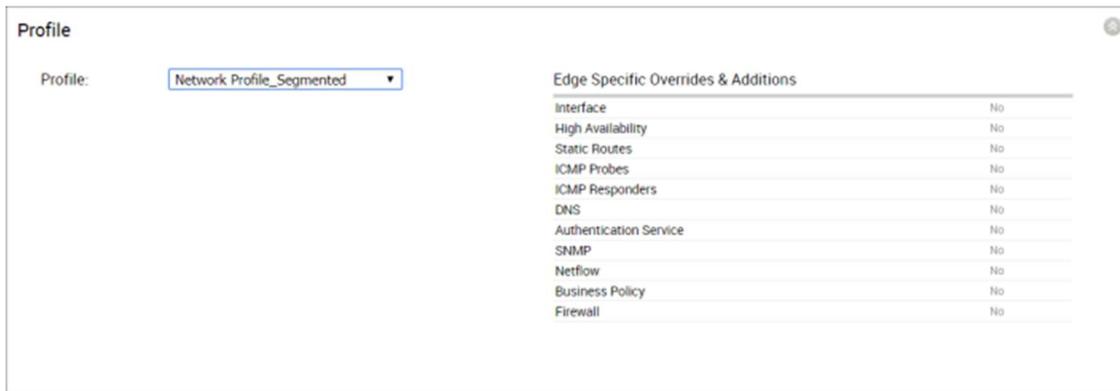
Step 2 Assign a Segment-based Profile to a Network-based Edge (See IMPORTANT NOTE Below)

IMPORTANT NOTE! Once a Segment-based Profile is assigned to an Edge, it cannot be reassigned to a Network-based Profile. Transition from a Network-based Profile to a Segment-based Profile is supported, but a Segment-based Profile to Network-based Profile is not supported.

To Assign a Segment-based Profile to a Network-based Edge:

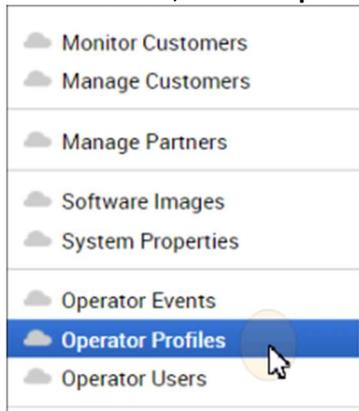
1. Go to **Configure > Edges** in the VCO.
2. In the **VeloCloud Edges** screen, select the Edge you want to assign a Segment Profile to.
3. In the **Edge Overview** tab screen, go to the **Profile** area.

4. From the **Profile** drop down menu, choose a **Segment Based Profile** (see image below).



Step 3 Create a New Segment-based Operator Profile with a 3.X Edge Software Image

1. From the VCO, choose **Operator Profile**. See image below.

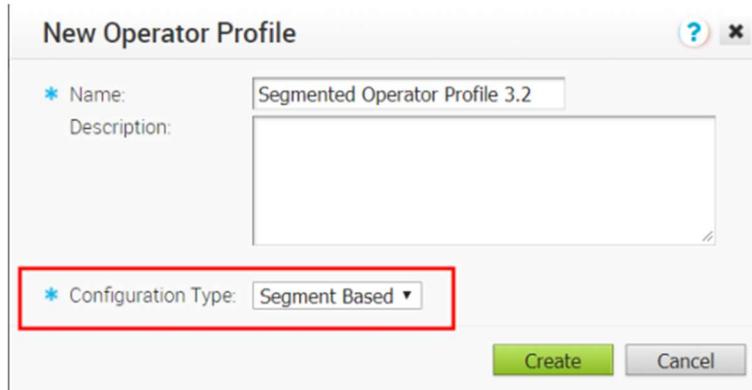


2. From the **Operator Profile** screen, click the **New Profile** button.

3. In the **New Operator Profile** dialog (image below):

- i. Type in a Name and Description for the profile.
- ii. In the **Configuration Type** drop down menu, choose **Segment Based**.

- iii. Click the **Create** button.



New Operator Profile

* Name: Segmented Operator Profile 3.2

Description:

* Configuration Type: Segment Based

Create Cancel

4. In the newly created **Operator Profile** screen, go to the **Software Version** area.
5. In the **Software Version** area, choose a software version from the **Version** drop down menu. (See image below).



Software Version:

Version: 3.2.0 (build R32-20180315-MN)

Device Families: Edge 5X0

Update Duration: 5 minutes

6. Click the **Save Changes** button at the top of the VCO screen.

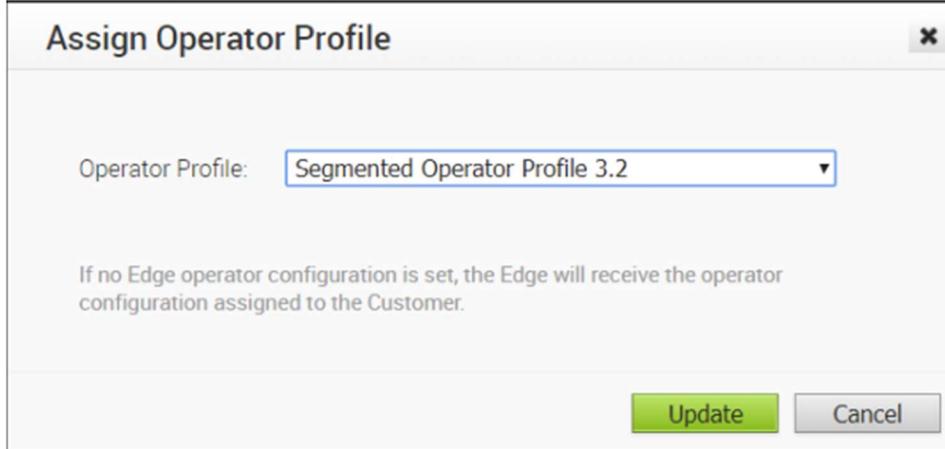
Step 4 Operator Profile Assignment

The Edge with the segmented profile will receive a software image update via the Operator Profile. This can be accomplished either by switching the Operator Profile for the customer or assigning a new Operator Profile to selected Edges. The instructions below describe steps for assigning a new Operator Profile to a selected Edge.

To Assign a new Operator Profile:

1. From the VCO, go to **Configure > Edges**.
2. In the **VeloCloud Edges** screen, select the Edge(s) you want to assign.

3. In the **Operator Profile** drop down menu, choose the Segment Based Operator Profile that was created in [Step 3](#). (See image below).



The image shows a dialog box titled "Assign Operator Profile" with a close button (X) in the top right corner. Inside the dialog, there is a label "Operator Profile:" followed by a dropdown menu. The dropdown menu is currently open, showing the selected option "Segmented Operator Profile 3.2". Below the dropdown, there is a note: "If no Edge operator configuration is set, the Edge will receive the operator configuration assigned to the Customer." At the bottom right of the dialog, there are two buttons: a green "Update" button and a grey "Cancel" button.

4. Click the **Update** button.

After this operation, Edge(s) will receive the 3.2 software image update, and after the image update process is complete, Edge(s) will start communicating with the VCO.