Configure SD-WAN Edge Router with Configuration Groups

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Introduction

This document describes how to Configure Cisco SD-WAN Edge Routers with Configuration Groups.

Prerequisites

Cisco recommends that you have knowledge of these topics:

- Cisco Software-Defined Wide Area Network (SD-WAN)

Requirements

- Cisco vManage
- Cisco WAN Edge router

Components Used

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

- Cisco vManage version 20.9.3.2
- Cisco WAN Edge router version 17.9.3a

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.

Background Information

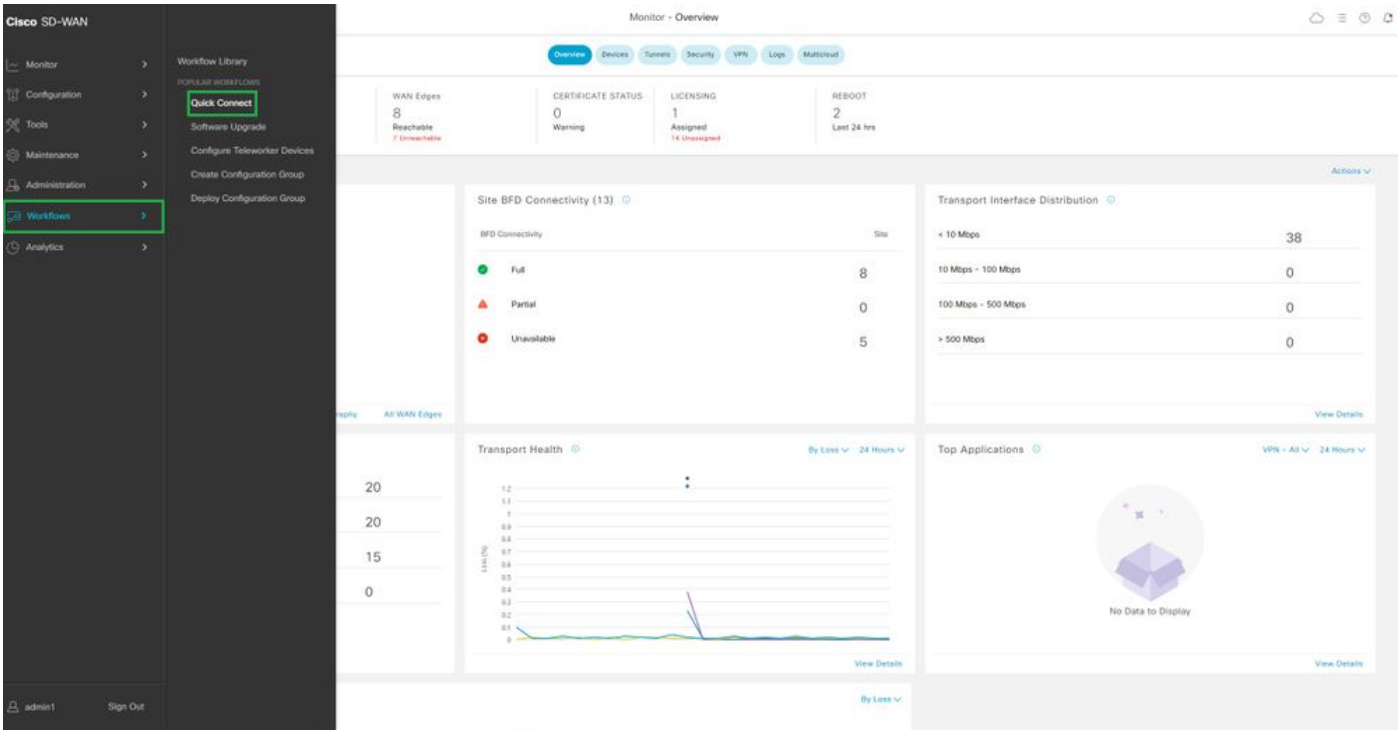
Workflows are a library of guided workflows which consist of certain steps to perform specific tasks. They are designed to overcome the challenges faced with feature templates. In large network deployments, there is a huge number of feature templates deployed, making them harder to manage. Additionally, managing feature templates manually can be a slow and tedious process. Another limitation is that feature templates

are device-specific, which limits their reusability.

With guided workflows, you simplify the configuration process by providing step-by-step instructions to the user. Configuration components can be reused across an entire device family, instead of being specific to one device model. Furthermore, you can group devices based on shared configurations.

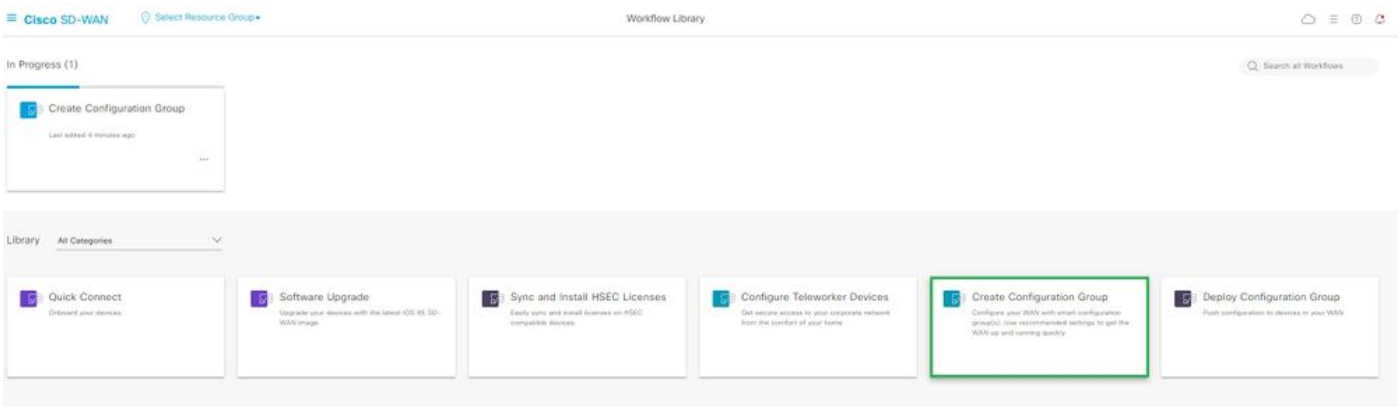
Configurations

Navigate to **Workflows > Quick Connect**.



Select Quick Connect

Navigate to **Create Configuration group**.



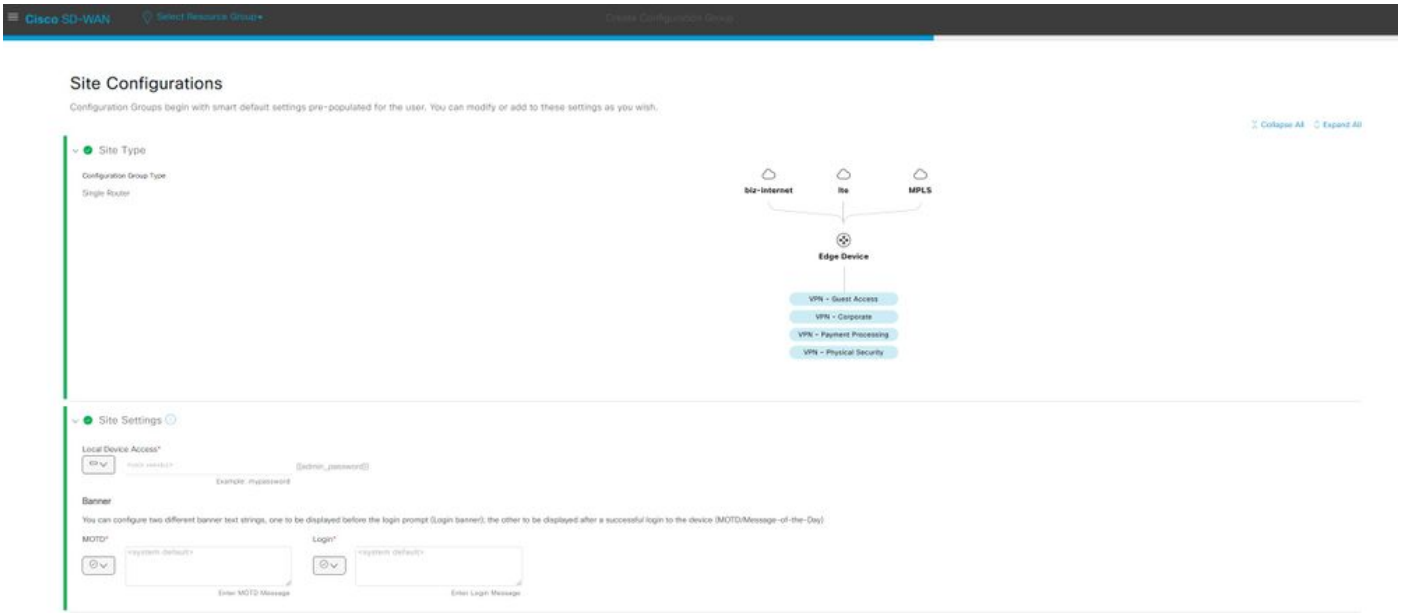
Select Create Configuration Group

Enter the Name and Description for Configuration Group.



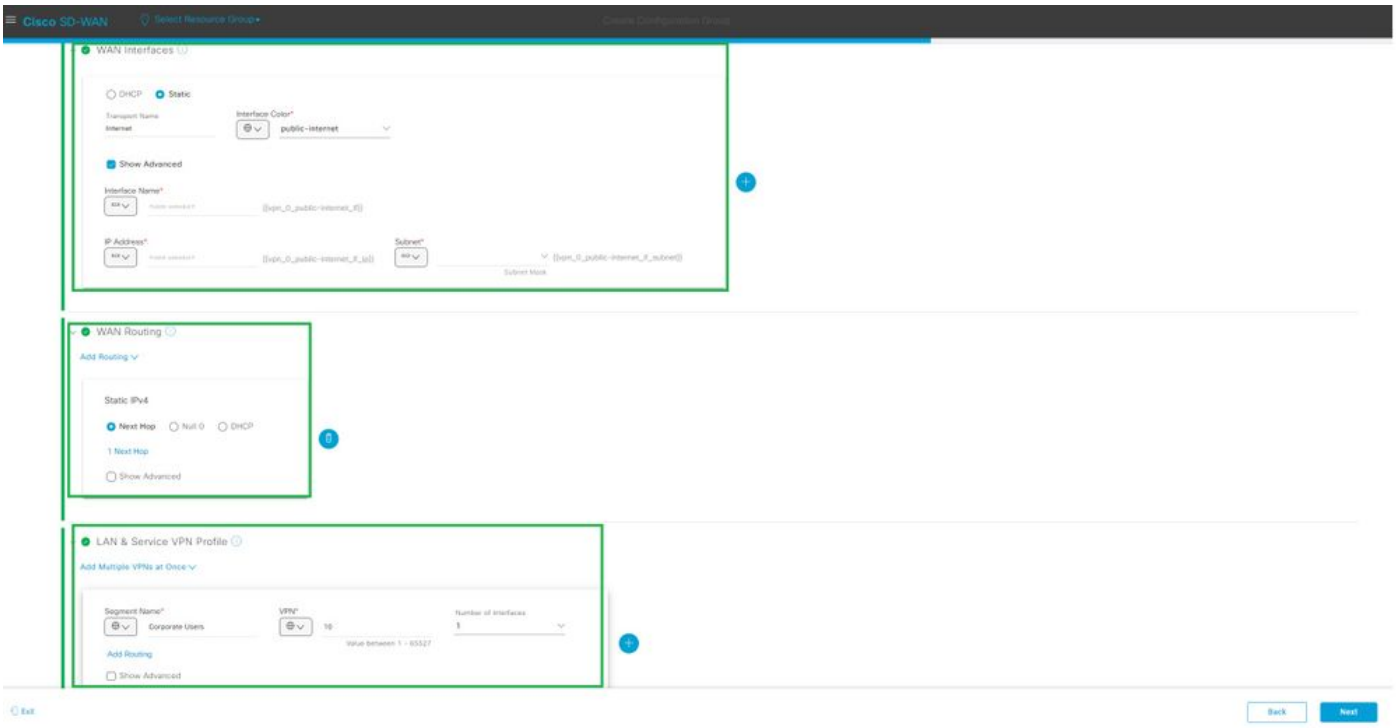
Enter Name and Description

Create new basic profiles.



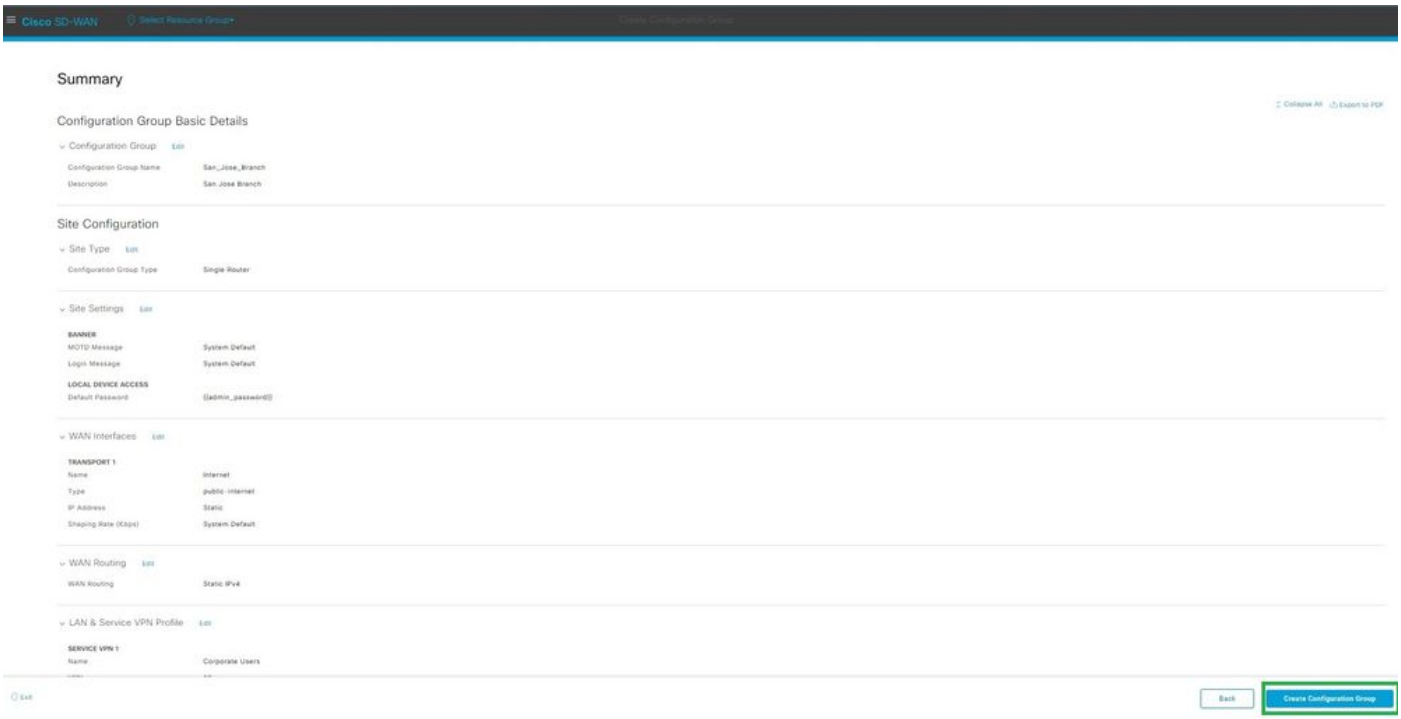
Add Basic Profile

Create WAN and LAN profiles. You can choose multiple WAN and LAN interfaces.



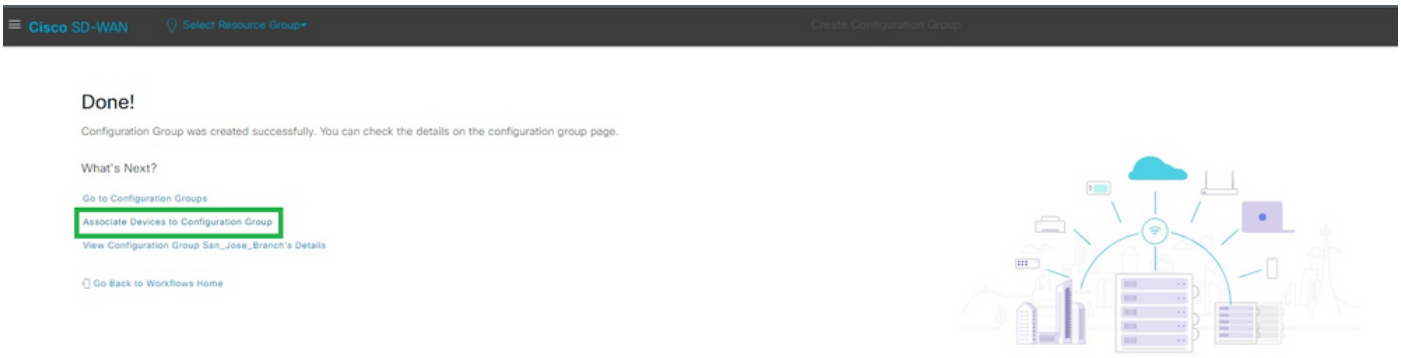
WAN and LAN Profile

Verify the summary of profiles and create configuration group.



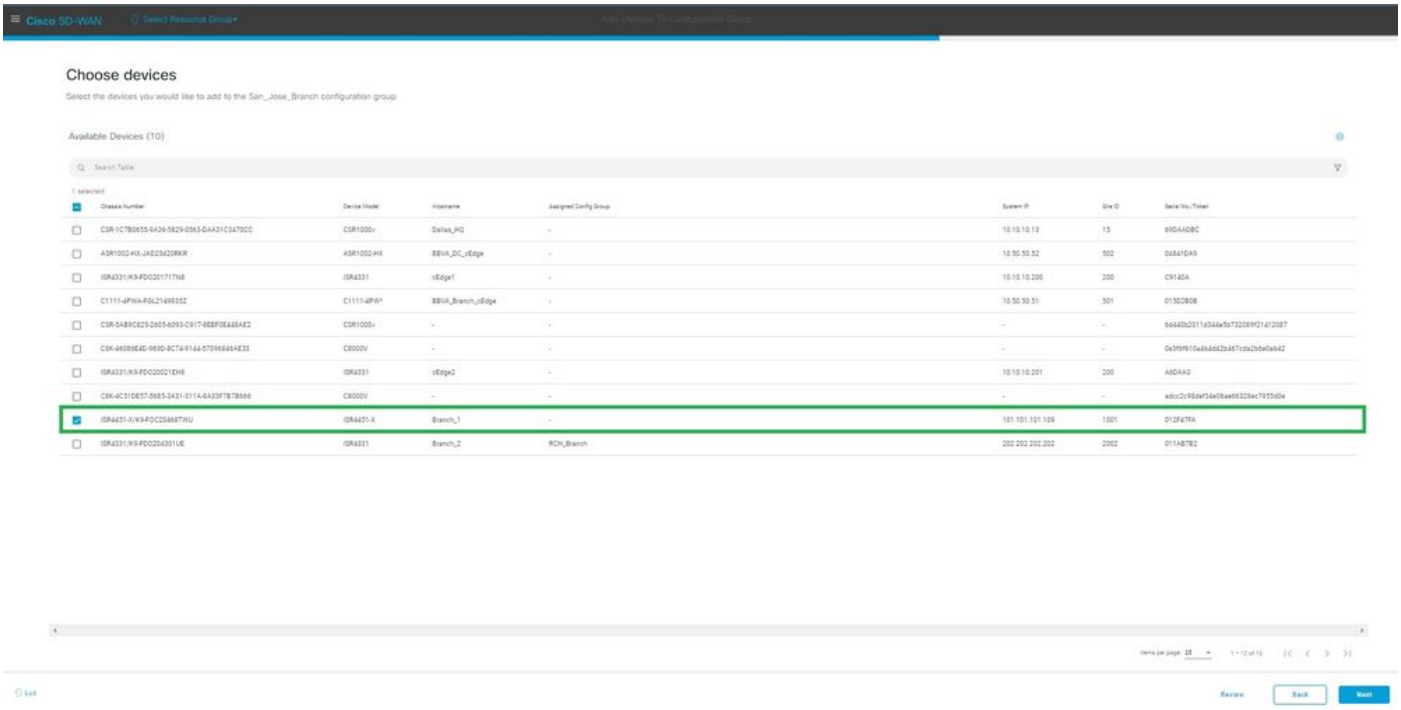
Summary

Associate the Devices to Configuration group.



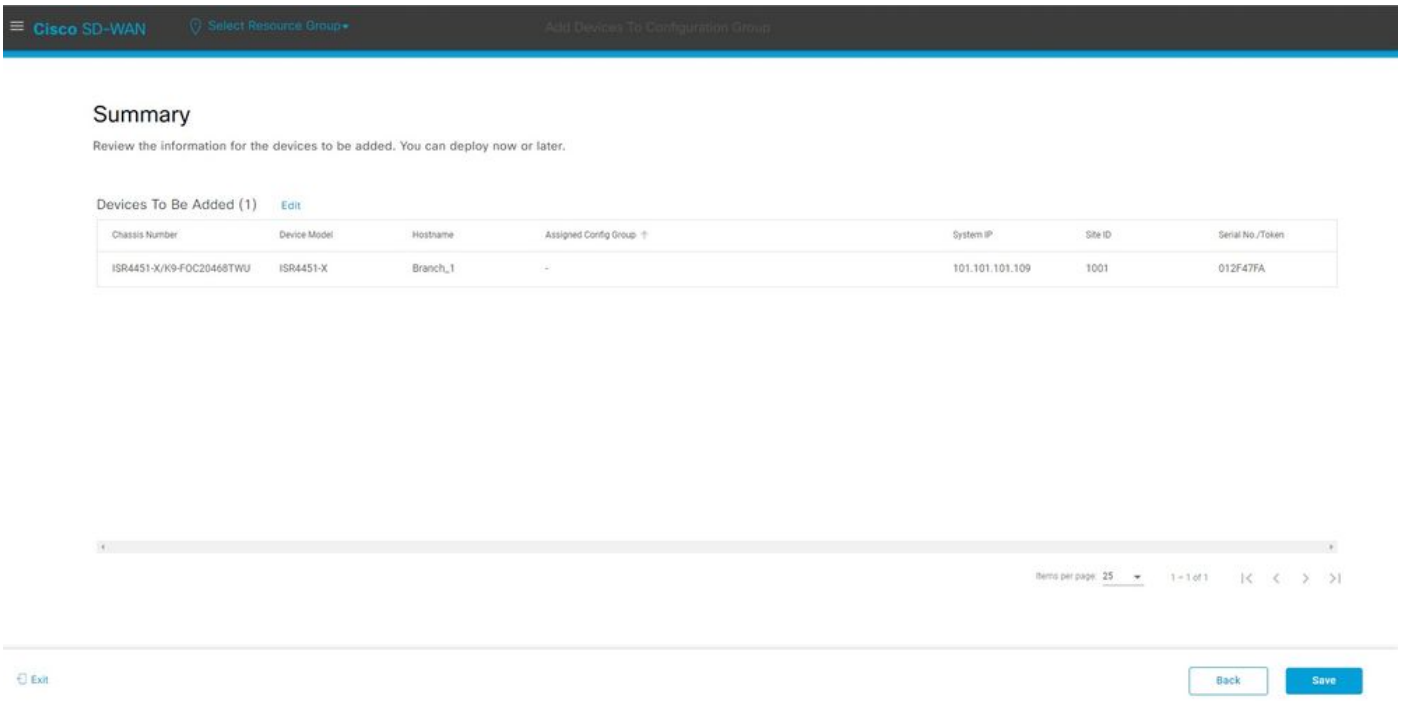
Associate Devices to Configuration Group

Select the devices you want to add to the San_Jose_Branch configuration group.



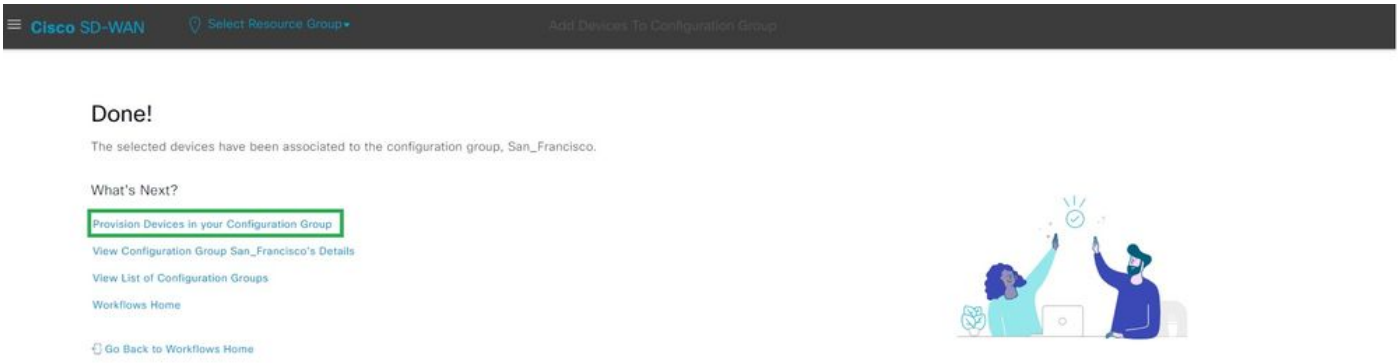
Select the Device

Review the information for the devices to be added. You can deploy now or later.



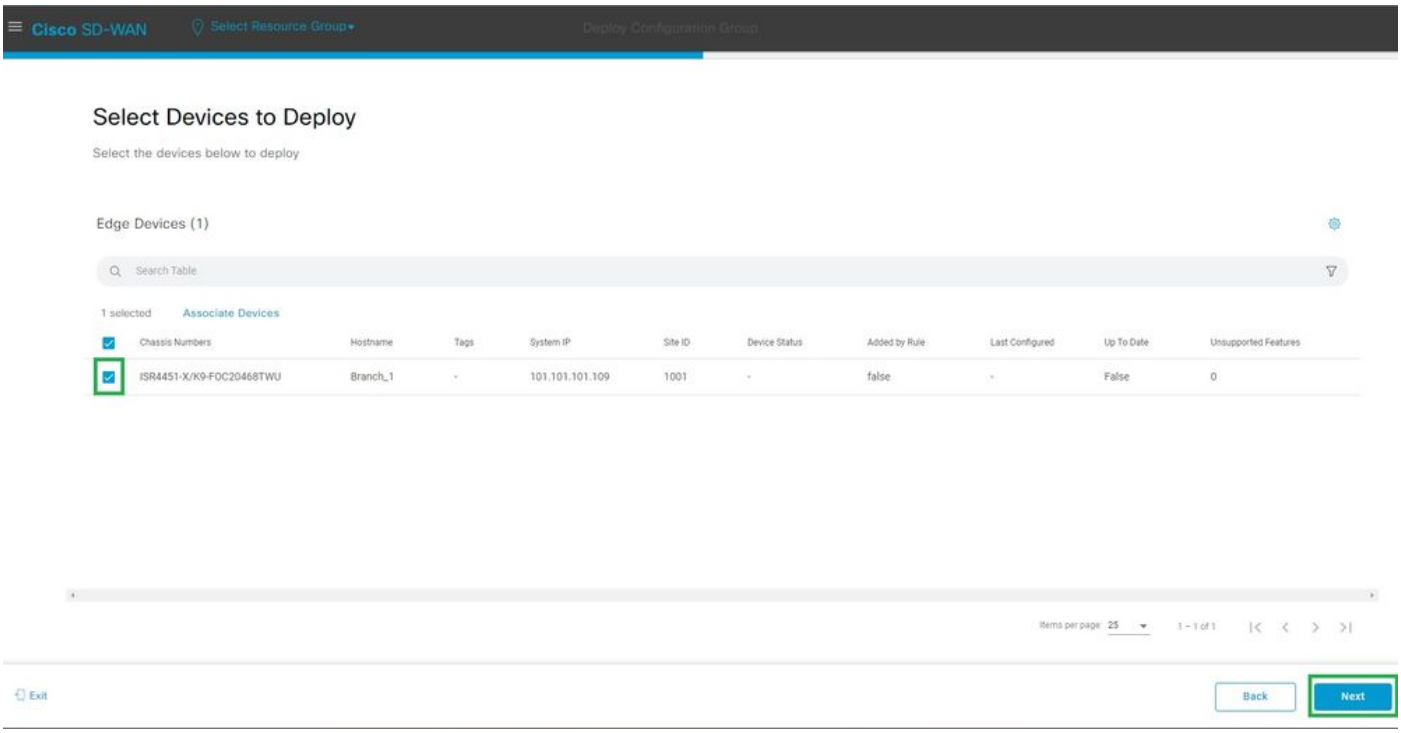
Summary

Provision the device with configuration group.



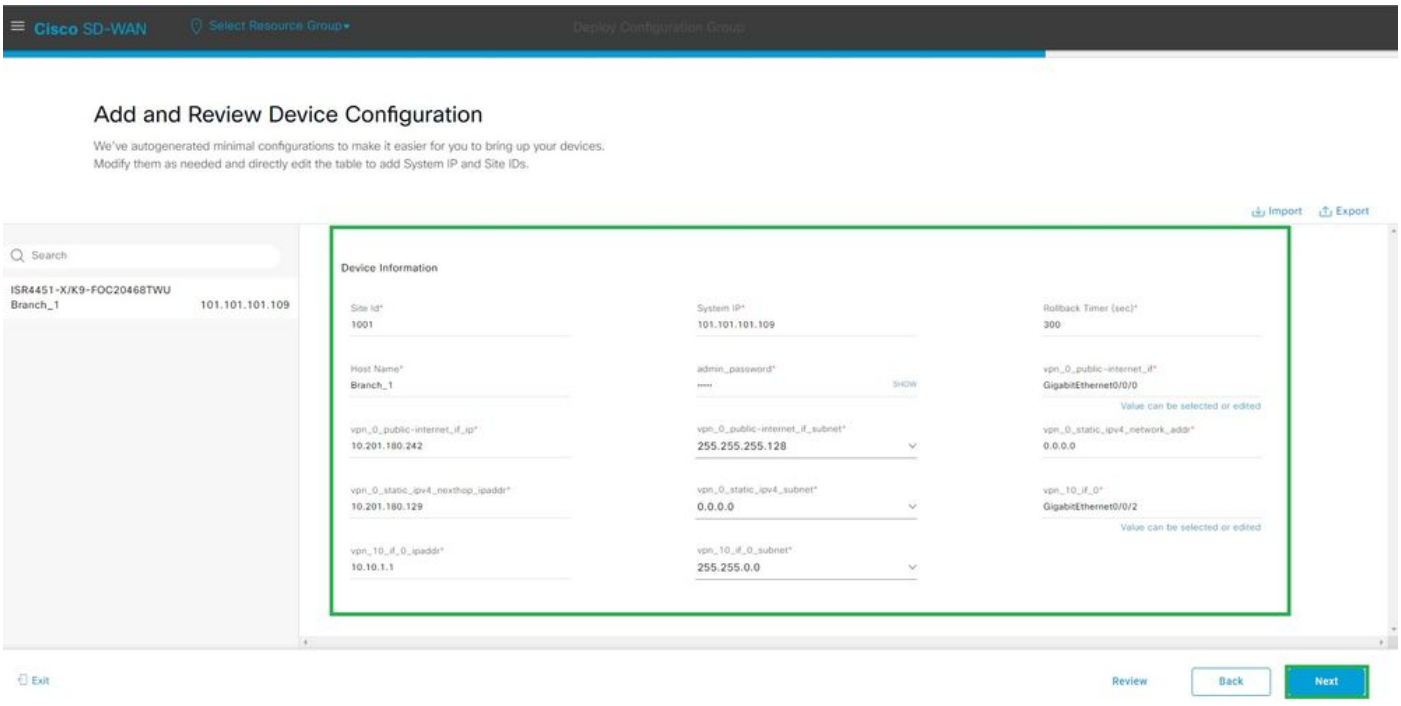
Provision the Device

Select Devices to Deploy.



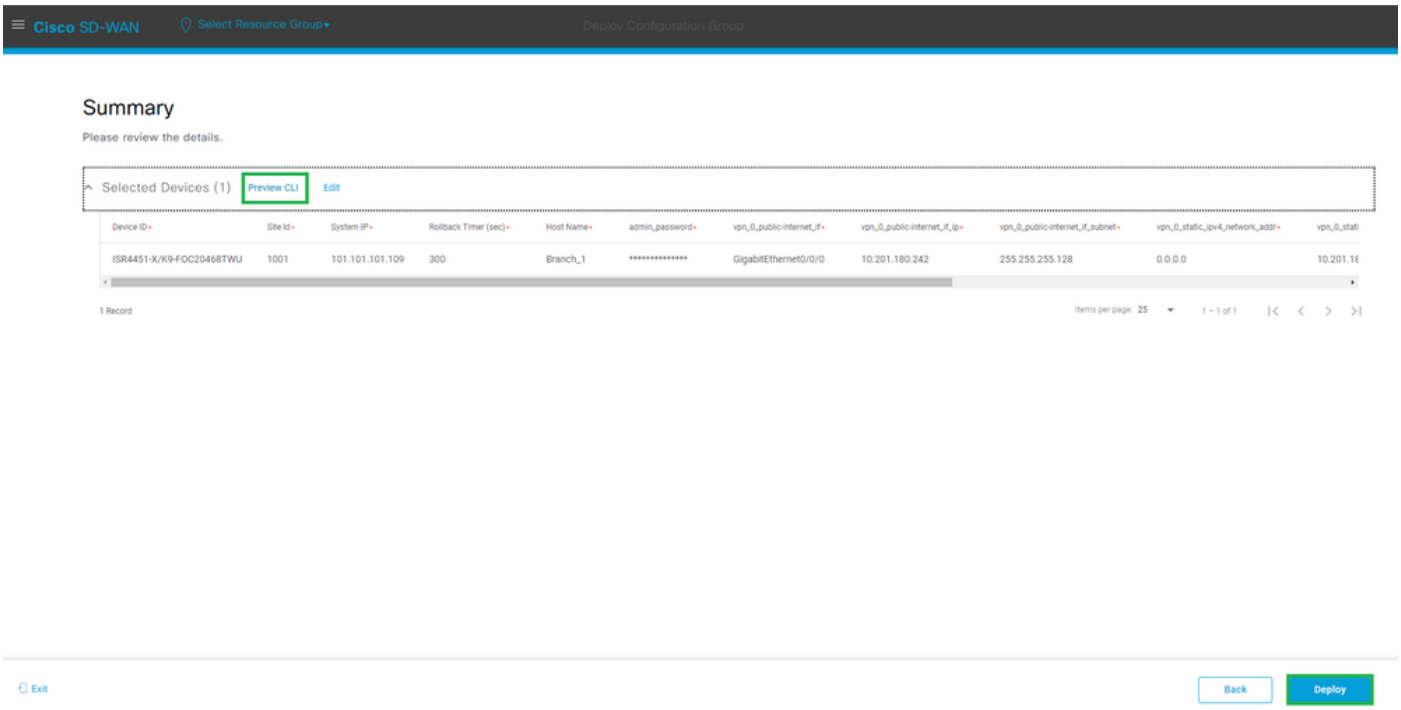
Select Devices to Deploy

Add and review the device specific configuration.



Add and Review

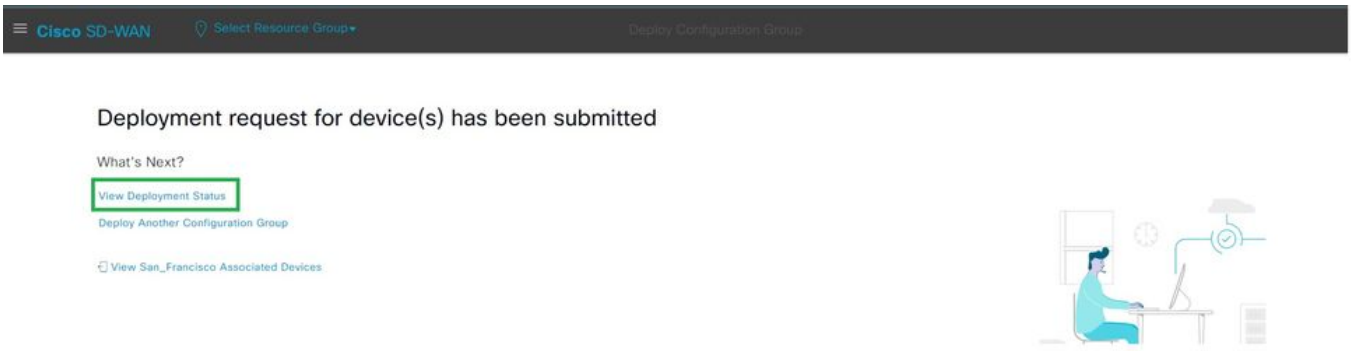
Verify the Configuration pushed with CLI Preview and Deploy.



Verify the Configuration with CLI Preview and Deploy

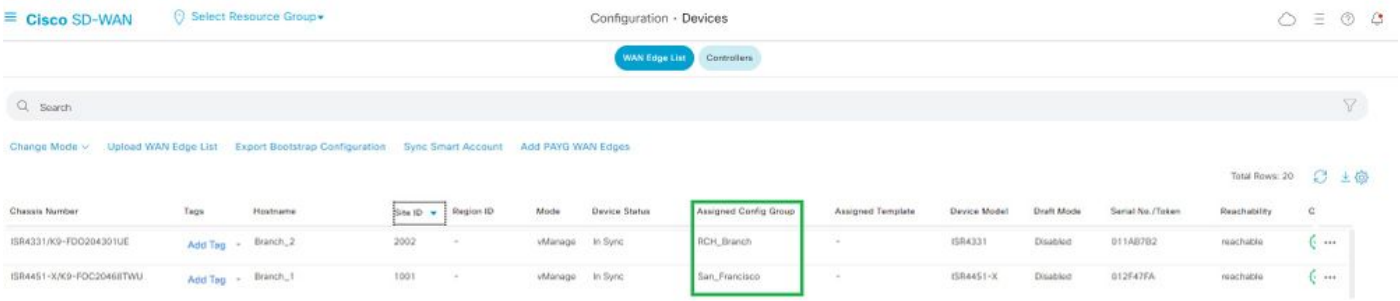
Verification

View Deployment Status.



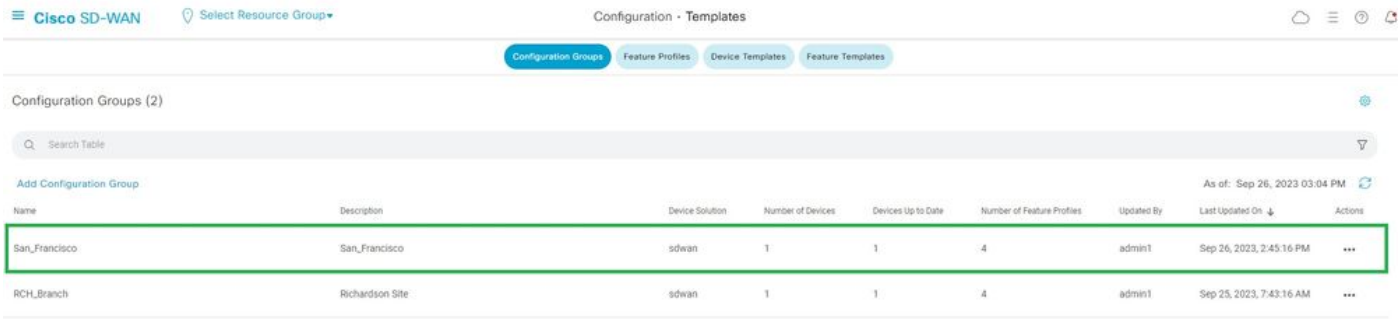
View Deployment Status

Navigate to **Configuration > Devices > Verify the Assigned Configuration Group**.



Assigned Config Group

Navigate to **Configuration > Templates > Configuration Groups**.



Configuration Groups

This captures the configuration template attached and device status.

<#root>

```
Branch_1#show sdwan system status

Personality: vEdge
Model name: ISR4451-X/K9
Device role: cEdge-SDWAN
Services: None

vManaged: true

          <------------------------ Managed by vManage
```

```
Commit pending: false

Configuration template: San_Francisco

   <-------- Configuration Group Attached
Chassis serial number: FJC2104D0PQ
```

Related Information

Configuration Groups and Feature Profiles