

Lab 2 - Create Network Resource Pools

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Lab Overview

Lab time: 20 minutes

The HPE Aruba Fabric Composer uses network resource pools. In this lab you will create an IP and MAC Address Pool.

Lab 2.1 - Create IP Address Pool

Description

When creating VSX pairs, OSPF or BGP routing, the AFC needs resource pools for IP and MAC addresses. You will create these resource pools now so they are available throughout this lab.

Validate

1. Navigate with the **Configuration / Network / Resource Pools** select **Actions**, and click

on Resource Pools

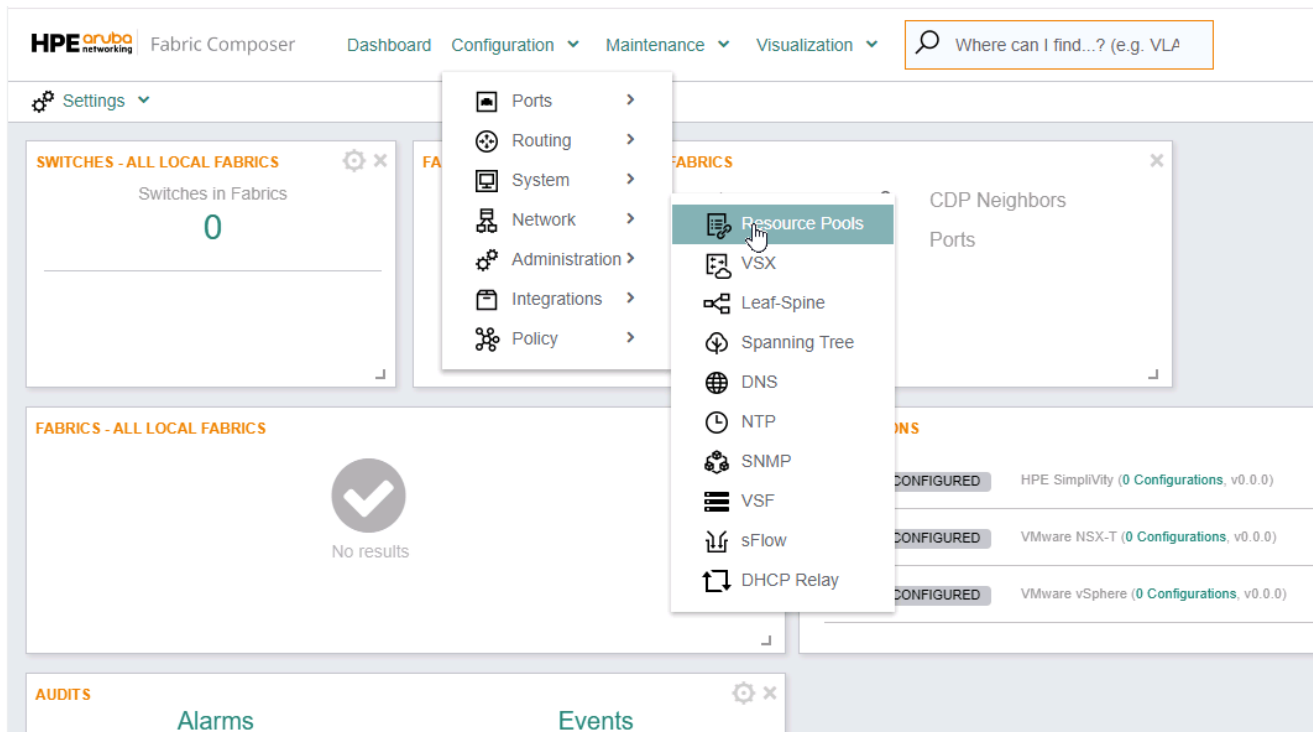


Fig. Lab 2 Navigate

2. Click **Actions** and select **Add**.

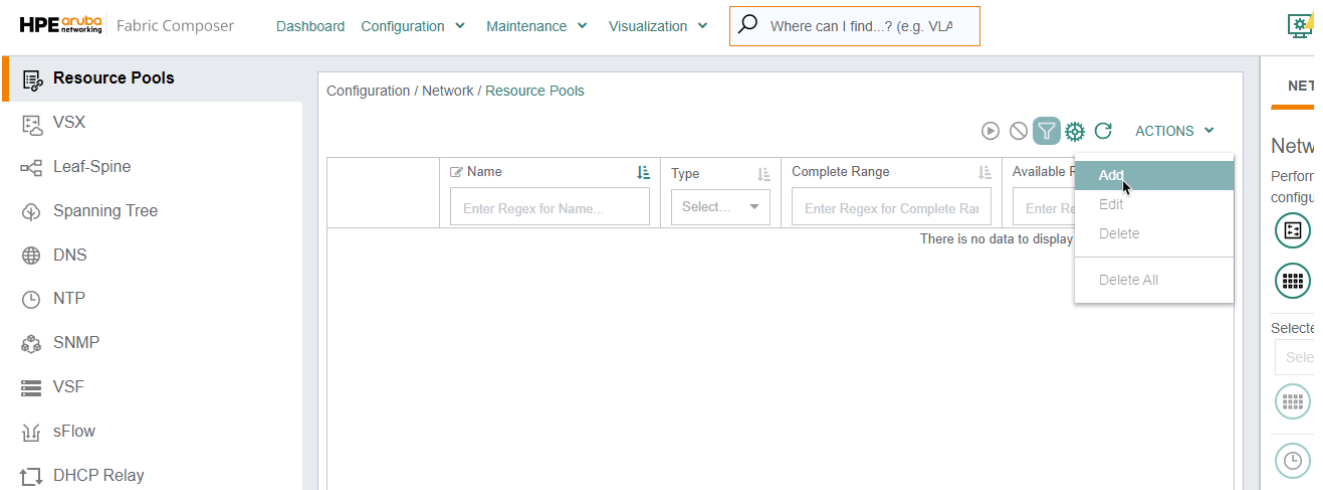


Fig. Lab 2 Actions/Add

3. In the **Name** context, enter **dsf-ipv4-pool**, then in the **Description** enter **IPv4 Address Pool**

Resource Pool

✓

Name

?

Settings

?

Summary

Enter a required Name and an optional Description.

Name *

dsf-ipv4-pool

Any unique non empty string, example: ResourcePool-1

Description

Example: ResourcePool-1 description

(* = Required)

CANCEL

BACK

NEXT

Fig. Lab 2 IPv4 Name

Step 1 - Name	
Name	dsf-ipv4-pool
Desctiption	IPv4 Address Pool

| Click NEXT |

4. In the **Resource Pool** enter **10.10.0.0/24**

Resource Pool

?

×

✓

Name

✓

Settings

?

Summary

Select a required resource type and a set/range of resources.

Resource Type

IPv4

×

▼

Resource Pool *

10.10.0.0/24

A set and/or ranges of IPv4 Addresses up to 65535 addresses. Ranges may be defined as a hyphenated range or subnet using CIDR notation. Example: 192.168.1.100-192.168.1.200, 192.168.10.0/24. Cannot include multicast addresses.

Resource Count

254

(* = Required)

CANCEL

BACK

NEXT

Fig. Lab 2 IPv4 Name

Step 2 - Settings	
Resource Type	IPv4
Resource Pool	10.10.0.0/24
Click NEXT	
Review the Summary and APPLY	

Expected Results

1. Verify the new IPv4 Pool has been created. See the image below. Now **from the same screen** click on the **Actions/Add** menu.

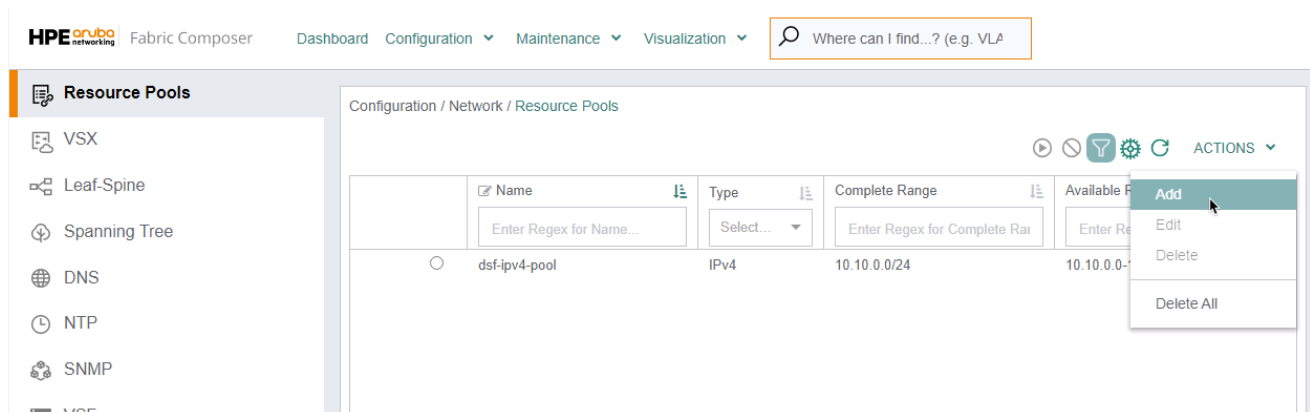


Fig. Lab 2 New IPv4 Resource Pool

- The workflow for adding the resource pool appears. This time you will create a MAC pool. Enter the name and description.

Resource Pool

Enter a required Name and an optional Description.

Name *

dsf-mac-pool

Any unique non empty string, example: ResourcePool-1

Description

Example: ResourcePool-1 description

(* = Required)

CANCEL

BACK

NEXT

Fig. Lab 2 Name MAC Resource Pool

Name	dsf-mac-pool
Description	MAC Address Pool

| Click NEXT |

- Enter the settings for the MAC address pool. **Pull Down** the **Resource Type** and select **MAC Address**. Enter the MAC Address range in the Resource Pool.

Resource Pool

✓

✓

?

Name

Settings

Summary

Select a required resource type and a set/range of resources.

Resource Type

MAC Address

Resource Pool *

02:00:00:00:00:aa-02:00:00:00:00:ff

A range of MAC Addresses up to 1000 addresses. Example: 00:00:00:00:00:01-00:00:00:00:00:FF, 02:00:00:00:00:01-02:00:00:00:00:FF. Cannot include multicast addresses.

Resource Count

86

(* = Required)

CANCEL

BACK

NEXT

Fig. Lab 2 Settings MAC Resource Pool

Resource Type	MAC Address
Description	02:00:00:00:00:aa-02:00:00:00:00:ff

| Click NEXT |

| Review the Summary and Click APPLY | |

Expected Results

On the display should be a list of both address pools.

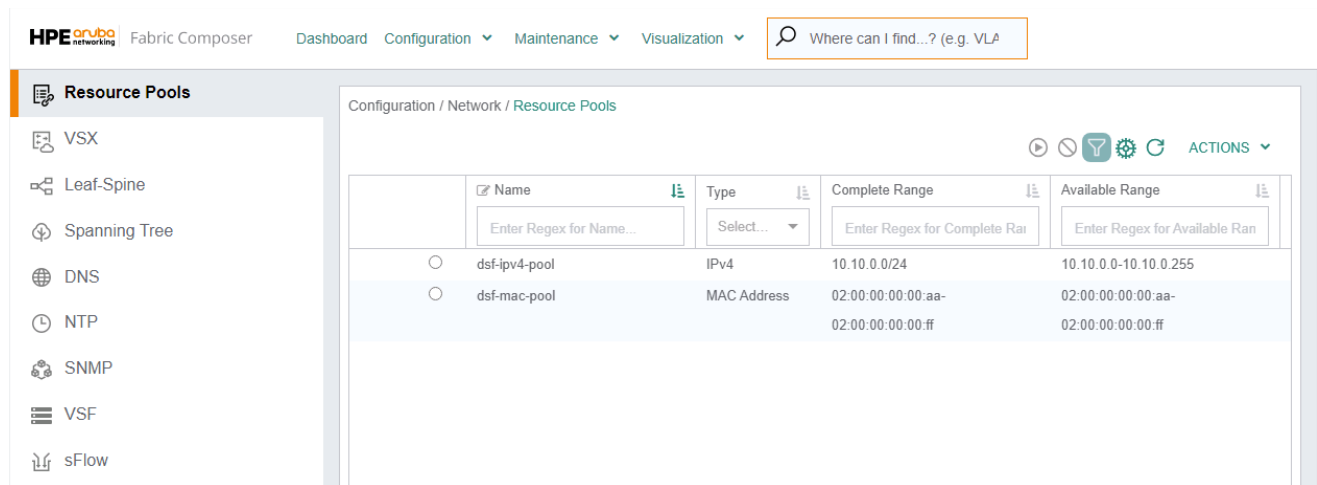


Fig. Lab 2 Both Resource Pools

Lab 2 Summary

- We added a IPv4 Resource pool with **10.10.0.0/24**.
- We We added a MAC pool with **02:00:00:00:aa-02:00:00:00:ff**
- We verified that both pools have been created.