SPOTO CCIE EI Lab DOO SDN S1 Workbook

VERSION		V1.0	
LEVEL	☐OPEN	☑ INTER	☐SECRET
TYPE	☐DISCUSS	☑BETA	☐RELEASE

Revision History				
Date.	**Author**	**Version**	**Reviewer**	**Note.**
2021-03-25	Lambert	1.0		Alpha

SPOTO www.spotoclub.com
Phone/WhatsApp: +86 183 4567 8790
+1 (346) 638-0369

© 2020 **SPOTO** ALL RIGHTS RESERVED.

CONTENTS

LAB TOPOLOGY **3**

DIAGRAM 01: COMPLETE TOPOLOGY 3
DIAGRAM 02: HQ ..... 错误!未定义书签。
DIAGRAM 03: DC 4
DIAGRAM 04: IAAS ..... 错误!未定义书签。
DIAGRAM 05: SP#1 ..... 错误!未定义书签。
DIAGRAM 06: BRANCH#1 ..... 错误!未定义书签。
DIAGRAM 07: BRANCH#2 ..... 错误!未定义书签。
DIAGRAM 08: BRANCH#3 ..... 错误!未定义书签。
DIAGRAM 09: BRANCH#4 ..... 错误!未定义书签。
DIAGRAM 10: BGP NEIGHBOR ..... 错误!未定义书签。
DIAGRAM 11: DMVPN ..... 错误!未定义书签。

IMPLEMENTING PROOF OF CONCEPT SDX BRANCHES **7**

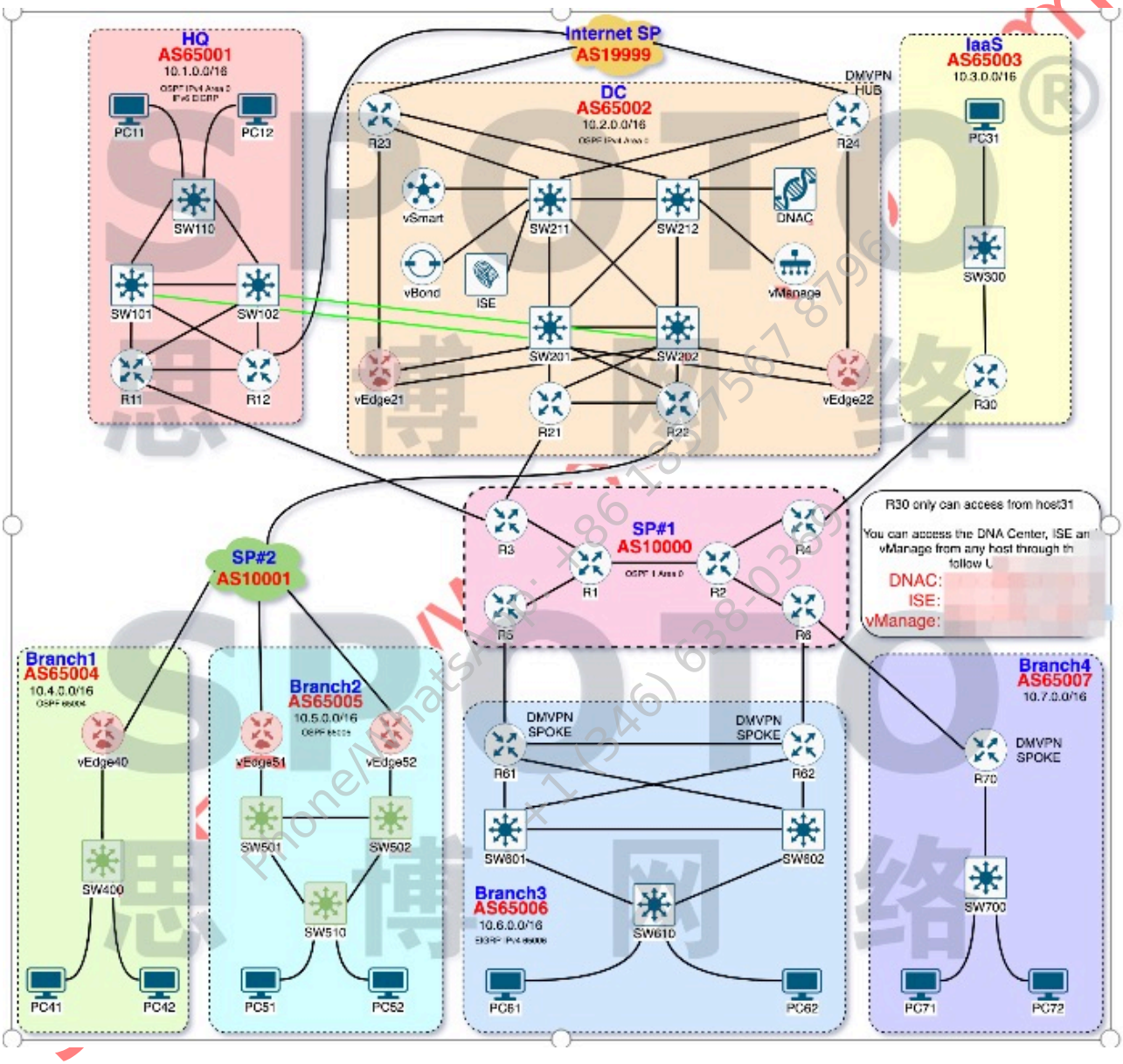
COMPLETING VN CONFIGURATION IN DNA CENTER 7
MAPPING SDA VNS TO SD-WAN VPNS ..... 错误!未定义书签。
CONFIGURING SD-WAN VPN ROUTE LEAKING ..... 错误!未定义书签。

SPOTO WWW.spotoclub.com
Phone/WhatsApp: +86 183 5907 3760
+1 (346) 638-0369

© 2020 **SPOTO** ALL RIGHTS RESERVED.

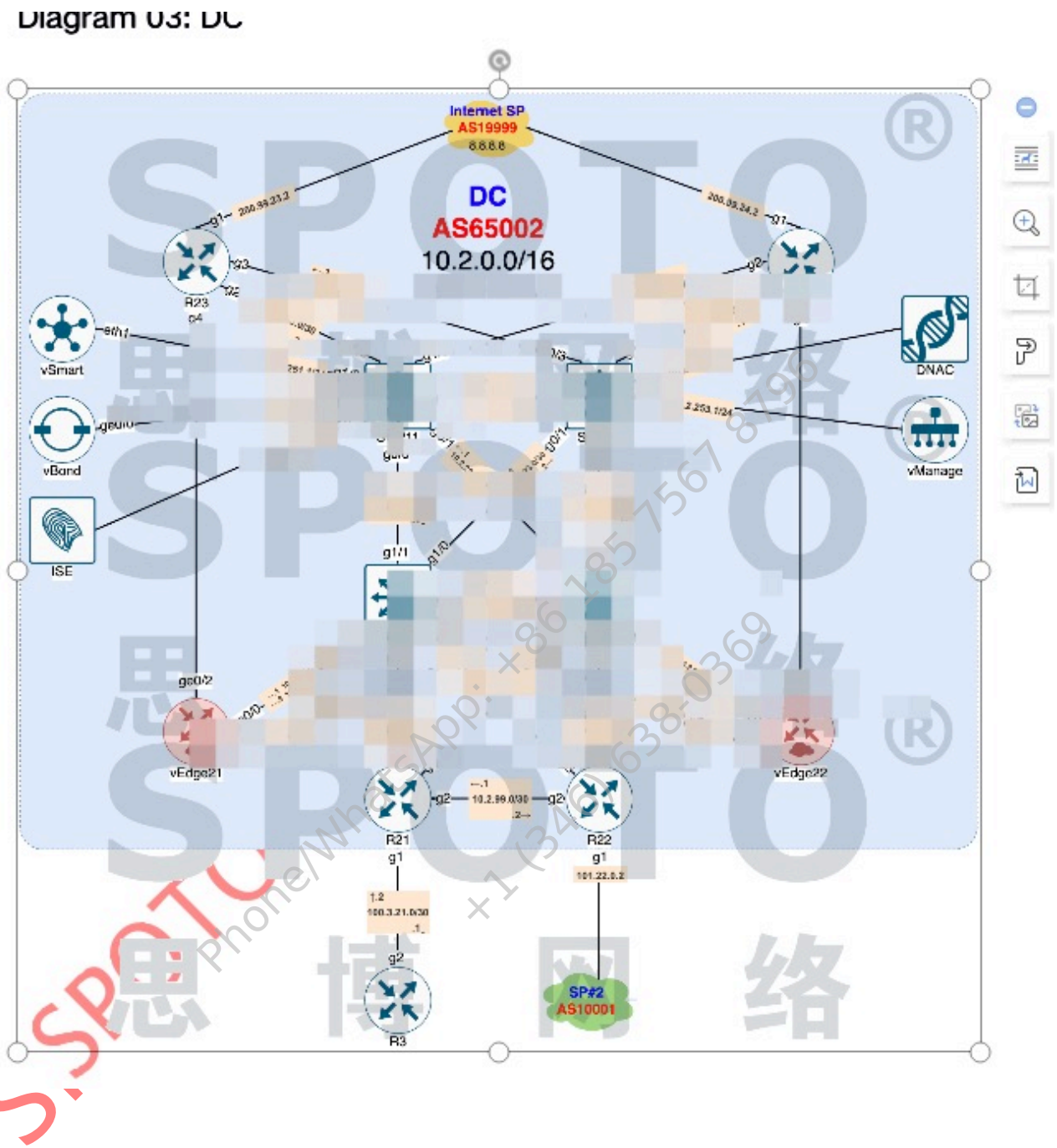
Lab Topology

Diagram 01: Complete Topology



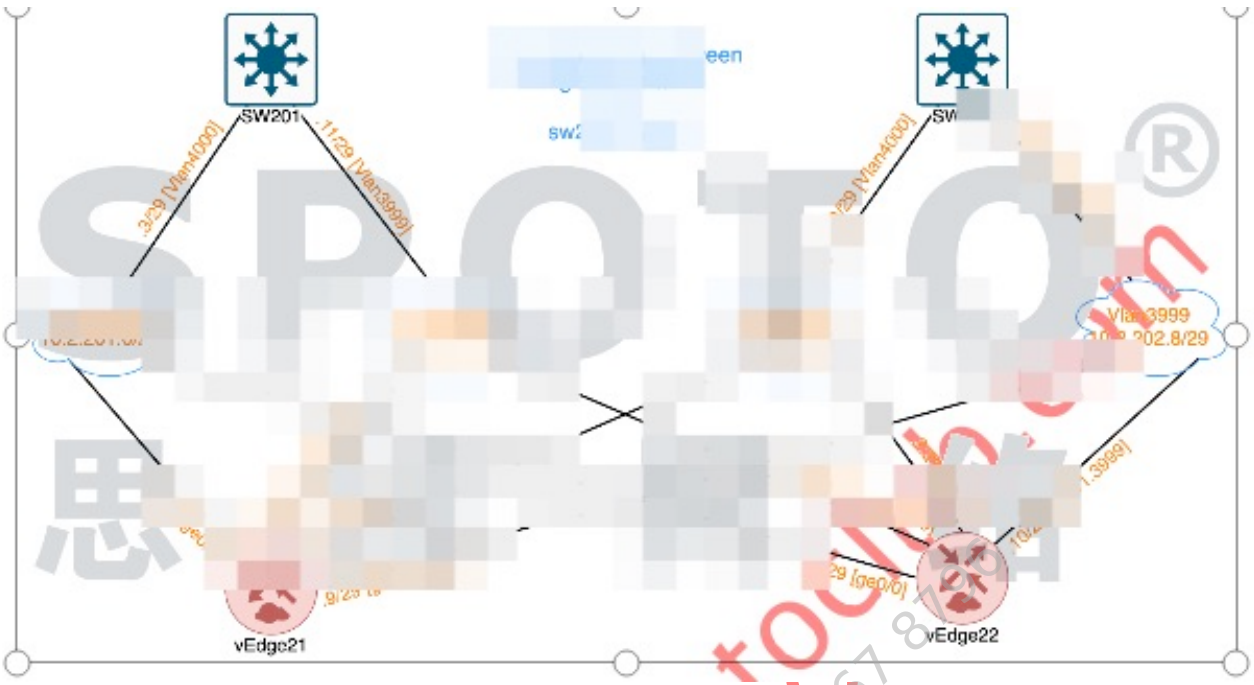
© 2020 **SPOTO** ALL RIGHTS RESERVED.

Diagram 03: DC



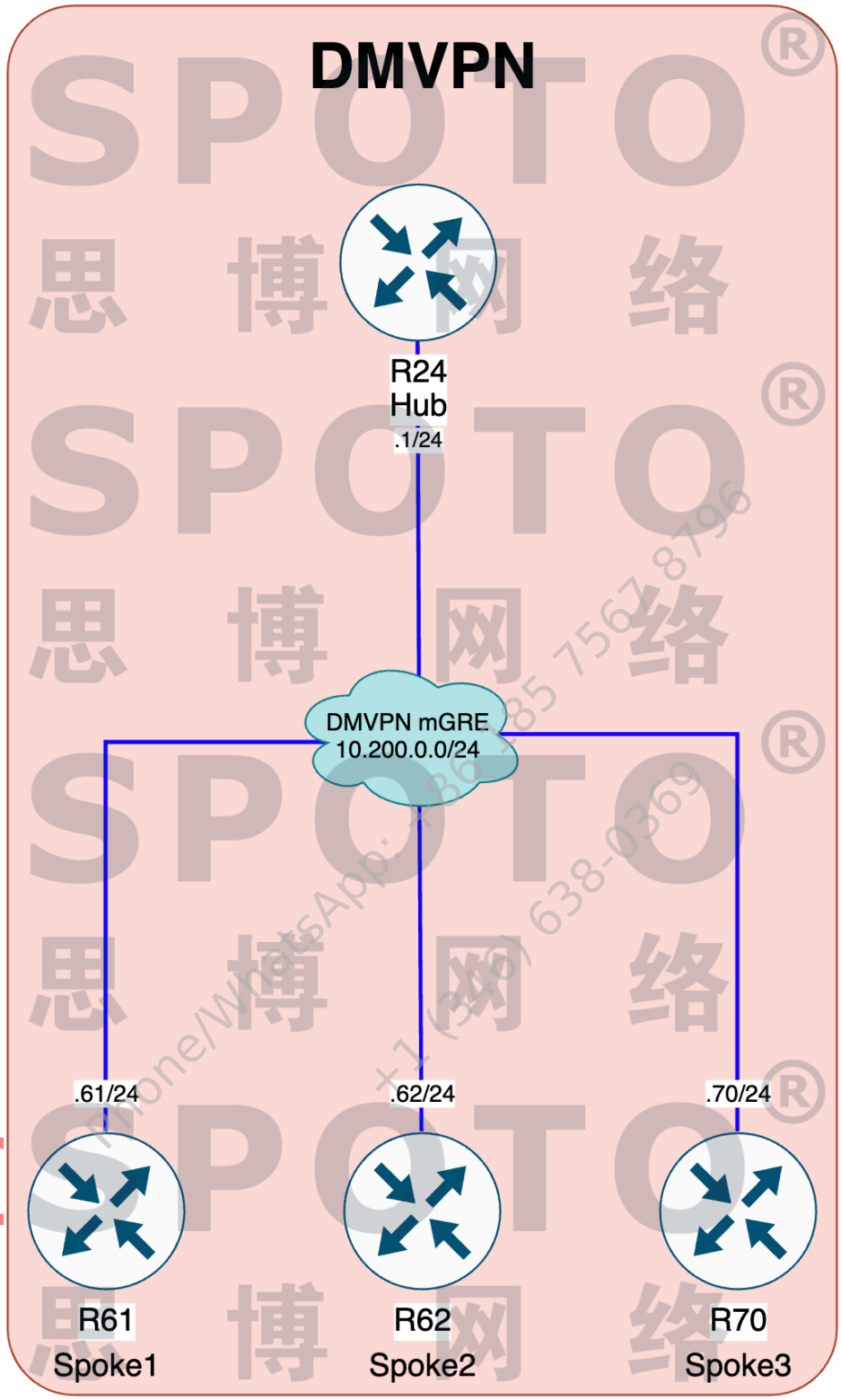
SPOTO 思博网络
Phone/WhatsApp: +86 185 7567 8798
+1 (346) 638-0369

© 2020 **SPOTO** ALL RIGHTS RESERVED.



SPOTO www.spotoclub.com
Phone/WhatsApp: +86 183 4567 8769
+1 (346) 638-0369

© 2020 **SPOTO** ALL RIGHTS RESERVED.



© 2020 **SPOTO** ALL RIGHTS RESERVED.

Implementing proof of concept SDx Branches

Completing VN configuration in DNA Center

Using the DNA Center GUI, perform configuration tasks according to these requirements:

- Add new Virtual Network named IoT for the internet-of-things network on the Branches #1 and #2.
- Create new address pools for the IoT VN named Branch1-ForIoT and Branch2-ForIoT on the global level, and Branch1-IoT and Branch2-IoT on the branch level.
- For Branch #1 IoT VN, allocate the subnet 10.4.198.0/24 and the gateway IP address 10.4.198.1.
- For Branch #2 IoT VN, allocate the subnet 10.5.198.0/24 and the gateway IP address 10.5.198.1.
- Associate the Branch1-IoT and Branch2-IoT pools with the IoT VN on the respective branches.
- Complete the configuration of the address pools for the Guest VN in the DNA Center so that Branch #1 and Branch #2 can accommodate guest connections. If a new address pool needs to be created and an address range allocated to it, follow the established addressing plan.
- Correct the addressing information currently defined for the Branch2-ForEmployees and Branch2-Employees address pool.
- For all address pools, use the DHCP server 10.2.255.211 to allocate addresses to clients.

On sw211, complete the DHCP server configuration according to these requirements:

SPOTO www.spotoclub.com
Phone/WhatsApp: +86 183 4937 8798
+1 (346) 638-0369

© 2020 SPOTO ALL RIGHTS RESERVED.

- Create four new DHCP pools for the IoT and Employees VNs on respective branches
  - Pool named br1_iot for Branch #1 IoT VN
  - Pool named br1_emp for Branch #1 Employees VN
  - Pool named br2_iot for Branch #2 IoT VN
  - Pool named br2_emp for Branch #2 Employees VN
- In each subnet, assign addresses from .101 up to .254 inclusively, and the appropriate gateway to clients.

SPOTO www.spotoclub.com
Phone/WhatsApp: +86 183 4950 3759
+1 (346) 638-0369

Solution

Open the rack

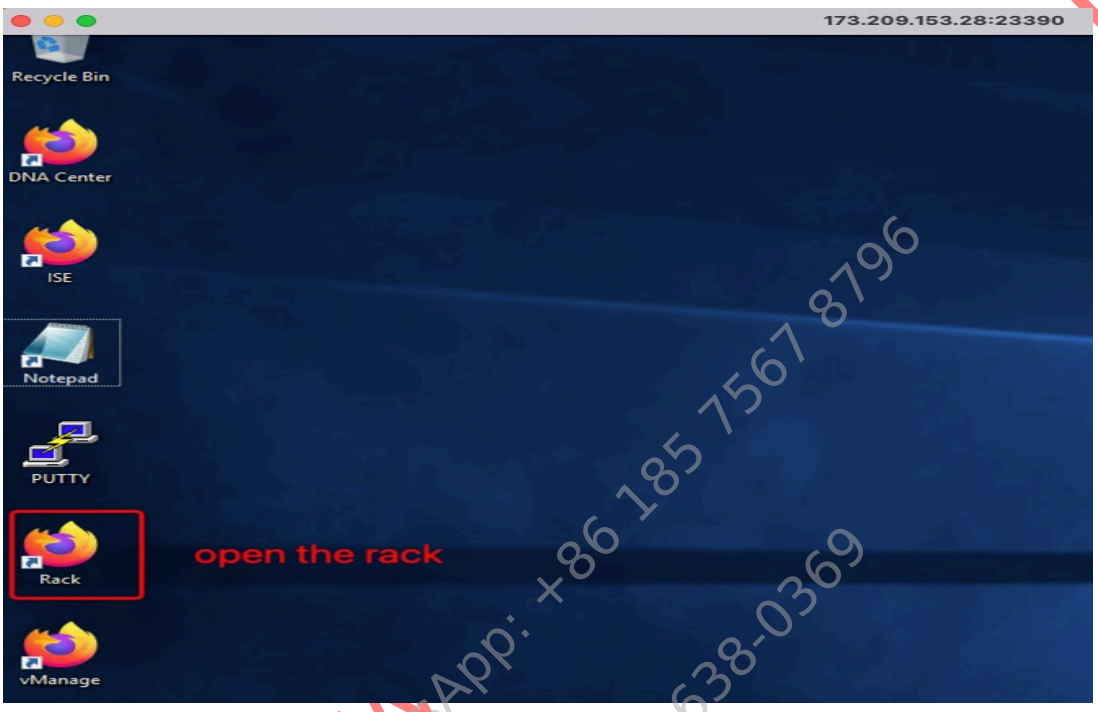
The account is :

© 2020 **SPOTO** ALL RIGHTS RESERVED.

Username:admin

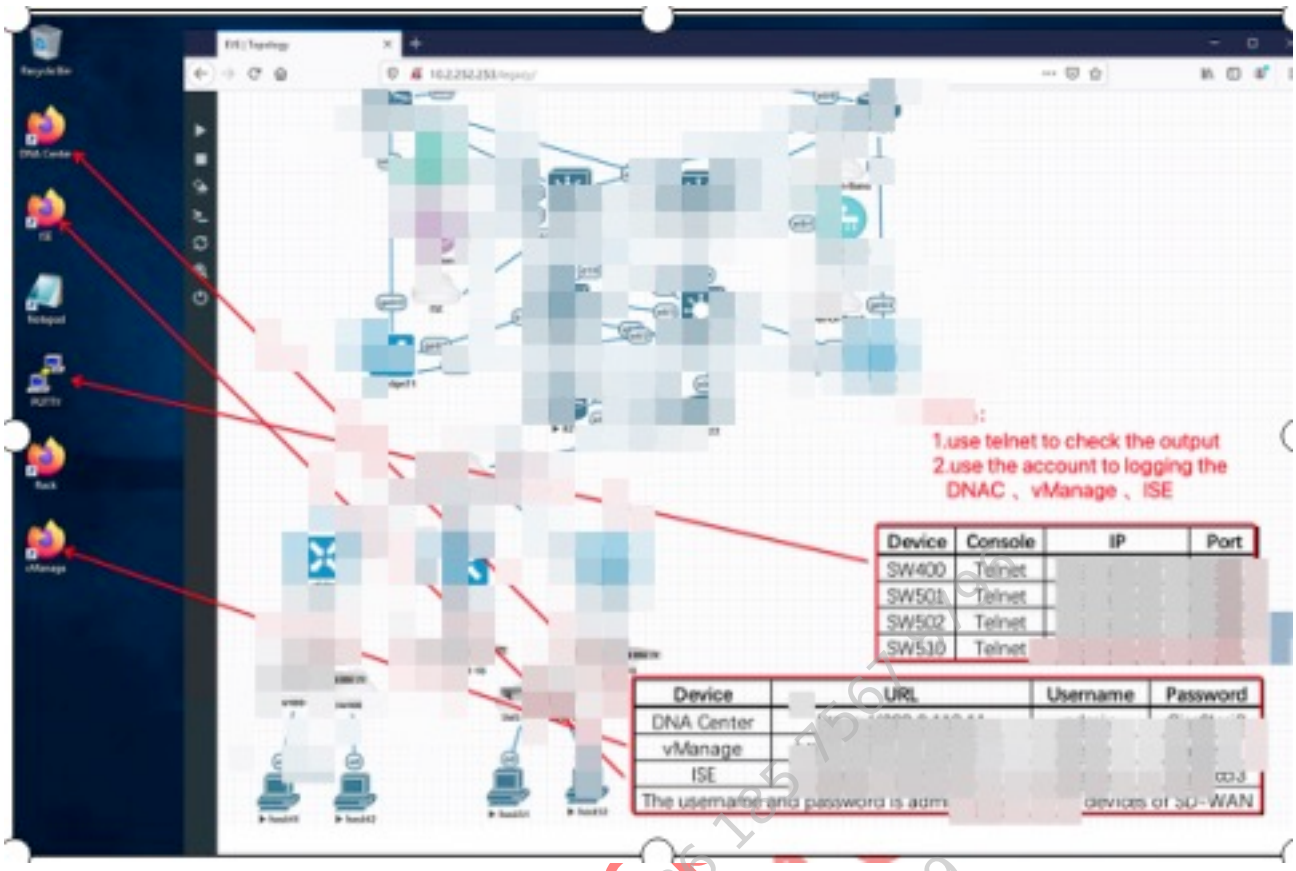
Password:eve

Start all the device



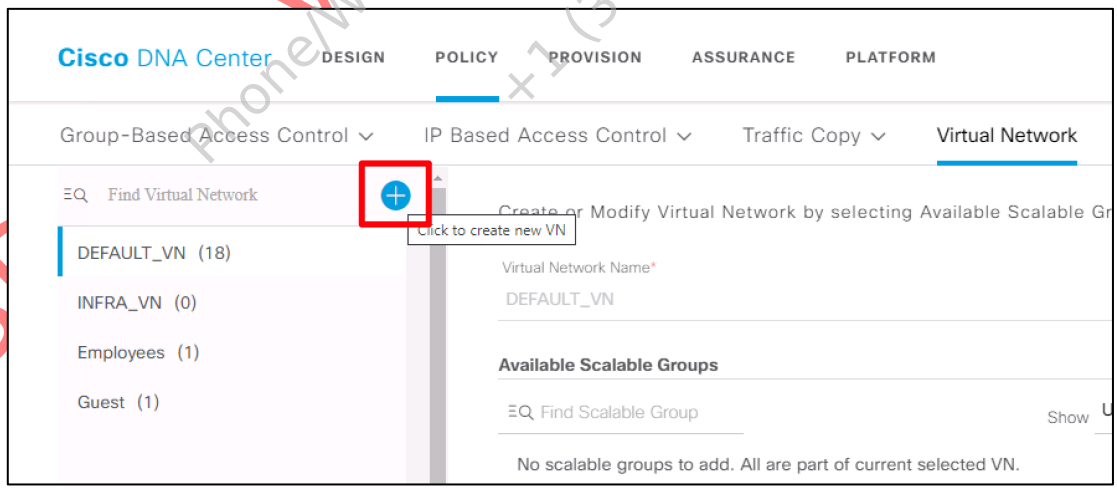
SPOTO www.spotoclub.com
Phone/WhatsApp: +86 185 7567 8796
+1 (346) 638-0369

© 2020 **SPOTO** ALL RIGHTS RESERVED.



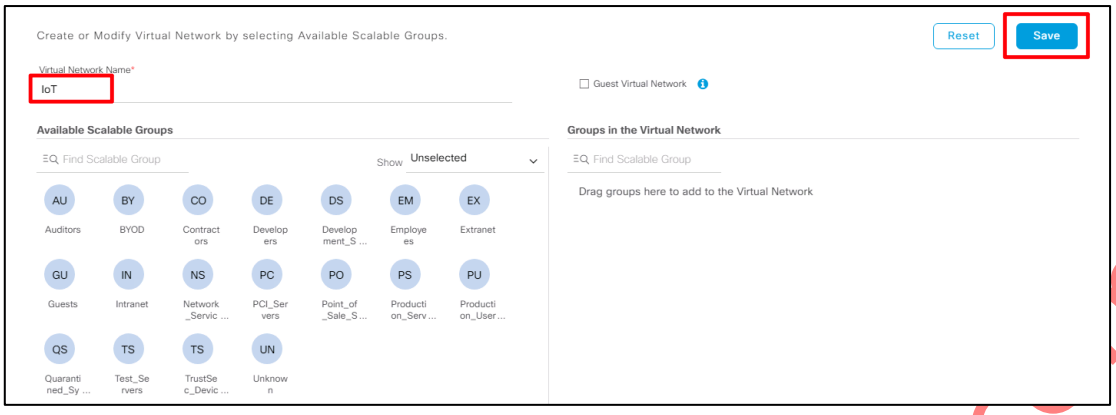
DNAC (OPEN THE DNA Center)

POLICY -> Virtual Network

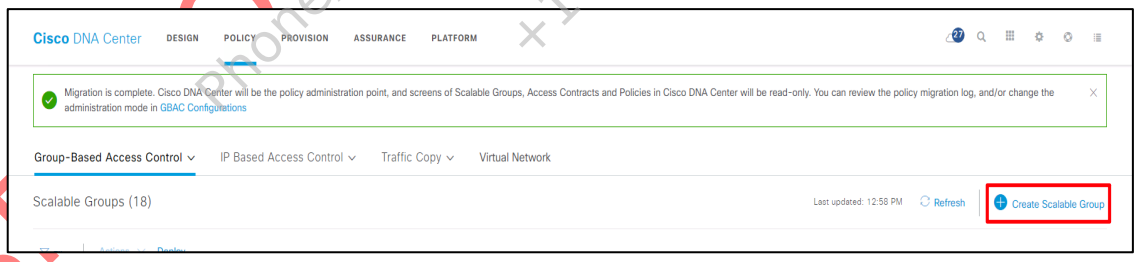


WWW.SPOTOCLUB.COM Phone/WhatsApp: +1 (346) 638-0369

© 2020 **SPOTO** ALL RIGHTS RESERVED.

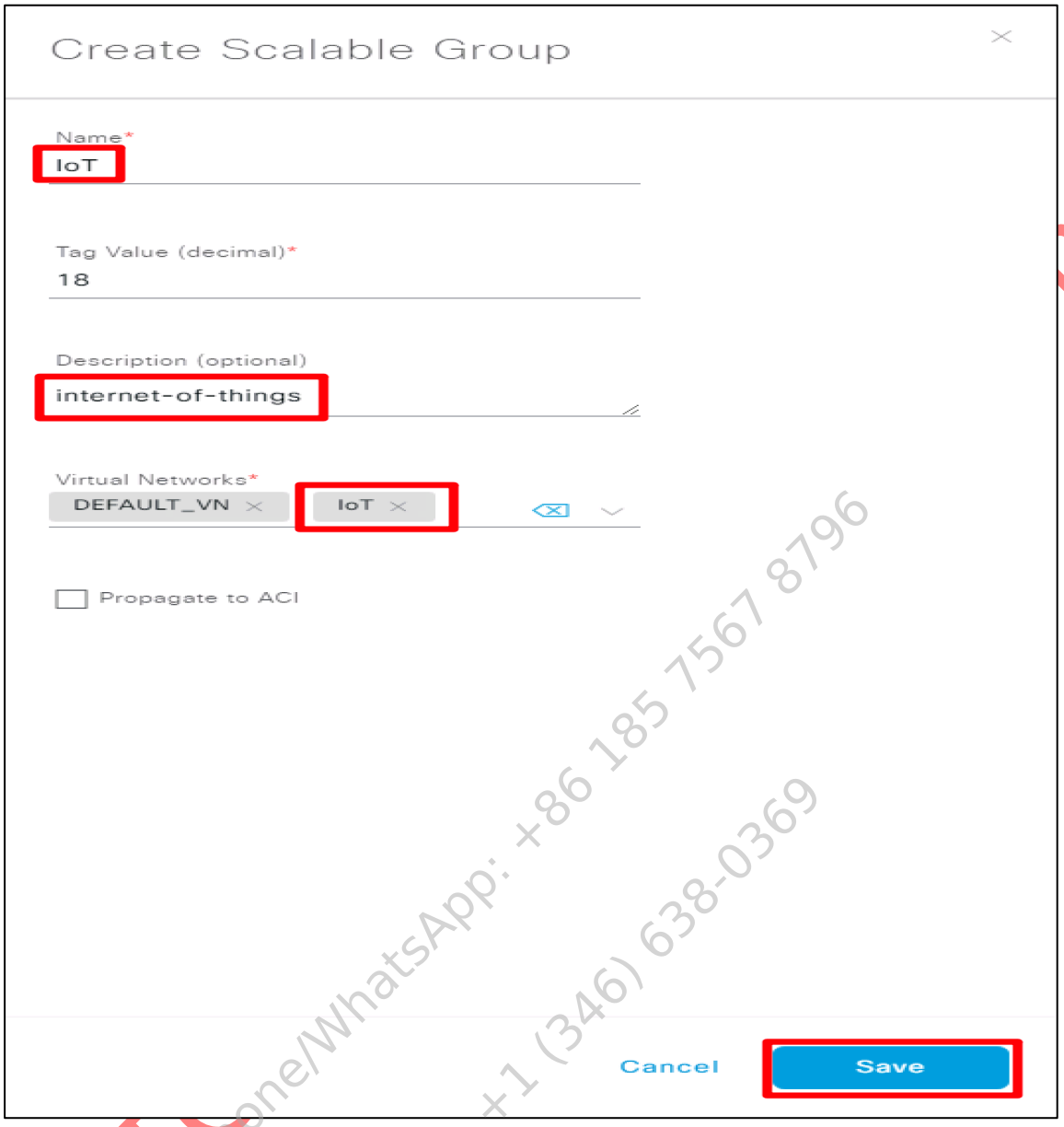






SPOTO Phone/WhatsApp: +86 185 7567 8796 +1 (346) 638-0369

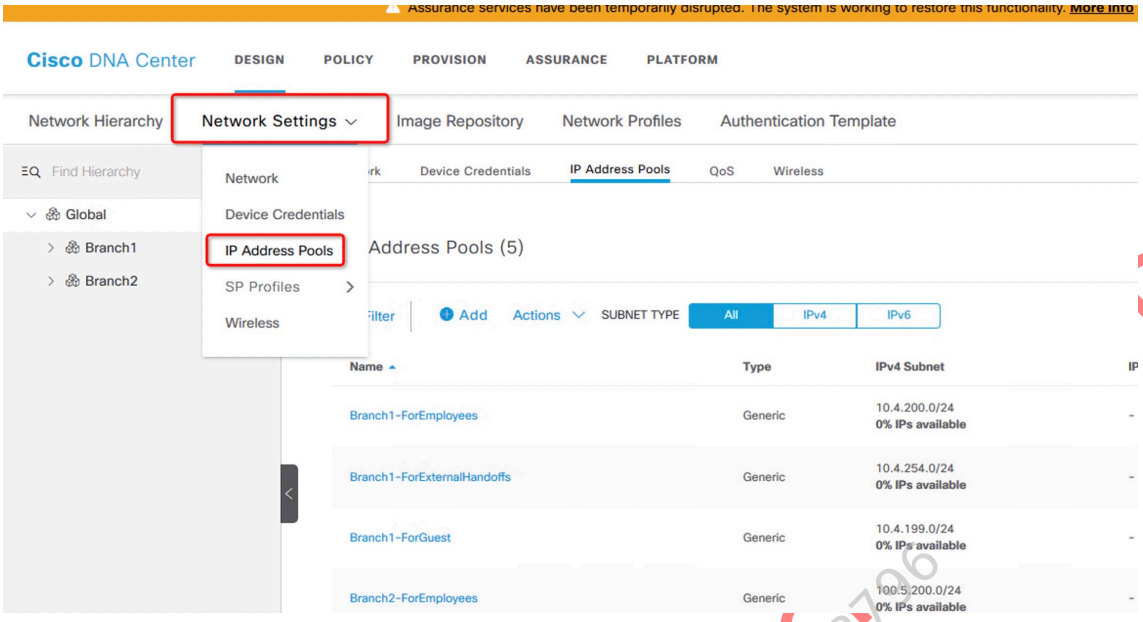
© 2020 **SPOTO** ALL RIGHTS RESERVED.

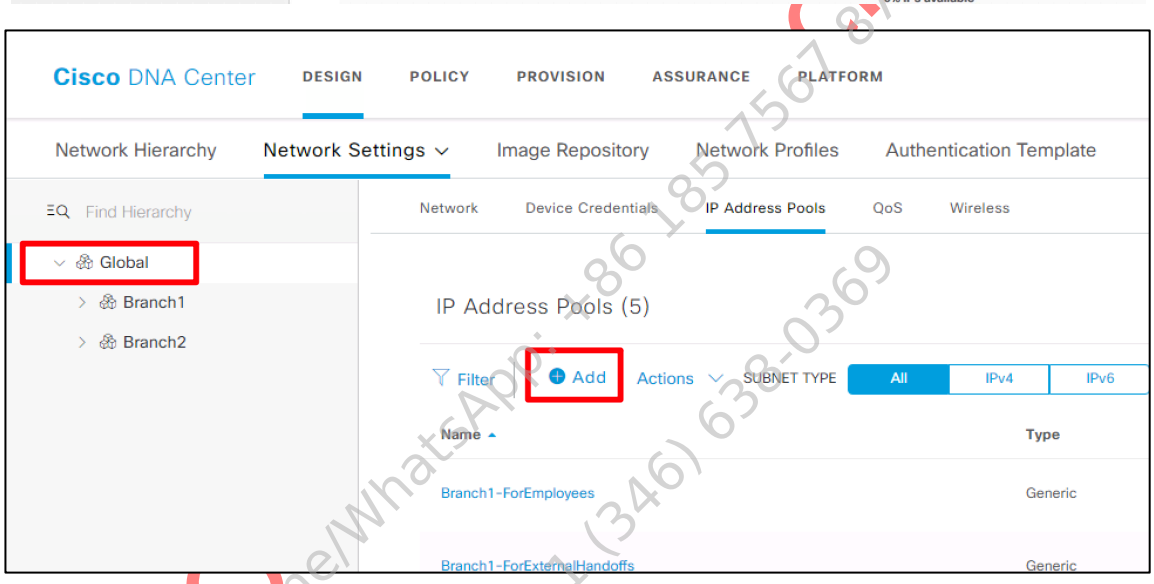


DESIGN -> Network Settings -> IP Address Pools

SPOTO Phone/WhatsApp: +86 185 7567 8796 +1 (346) 638-0369

© 2020 **SPOTO** ALL RIGHTS RESERVED.





SPOTO Phone/WhatsApp: +86 185 7567 8706 +1 (346) 638-0369

© 2020 **SPOTO** ALL RIGHTS RESERVED.



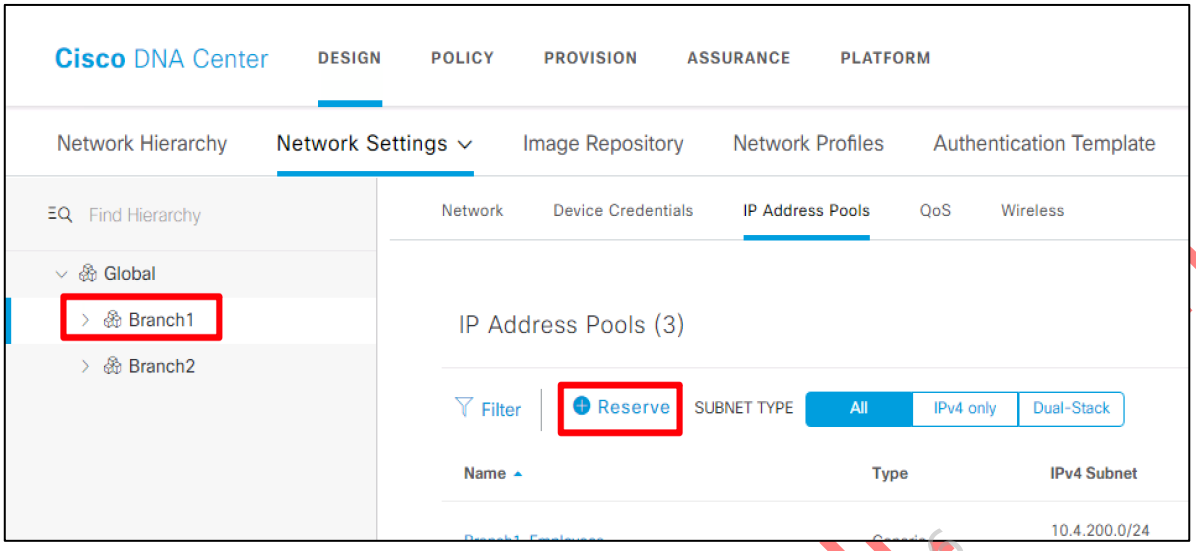
SPOTO Phone/WhatsApp: +86 185 7567 8796 +1 (346) 638-0369

© 2020 **SPOTO** ALL RIGHTS RESERVED.



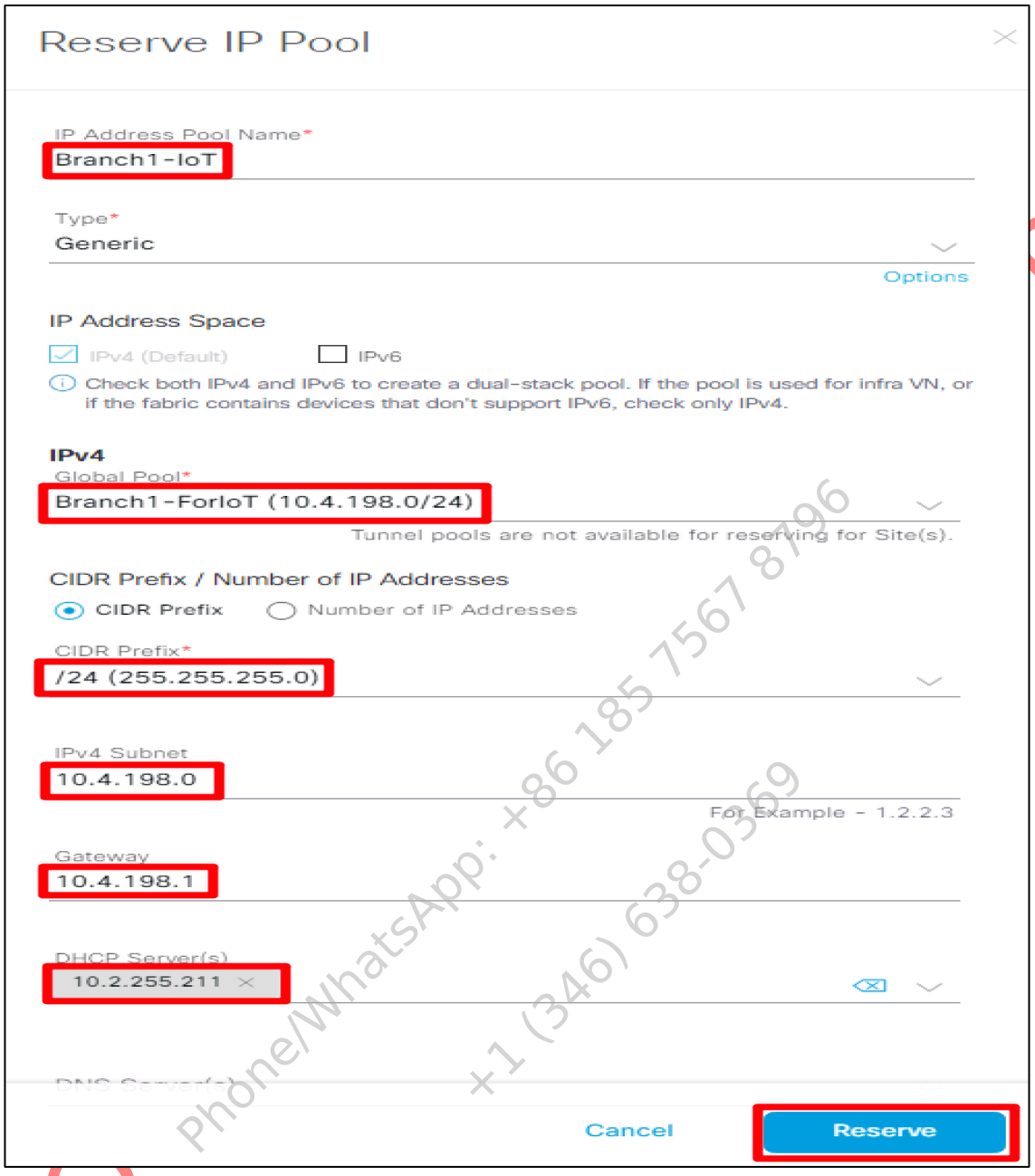
Phone/WhatsApp: +86 185 7567 8796
+1 (346) 638-0369

© 2020 **SPOTO** ALL RIGHTS RESERVED.



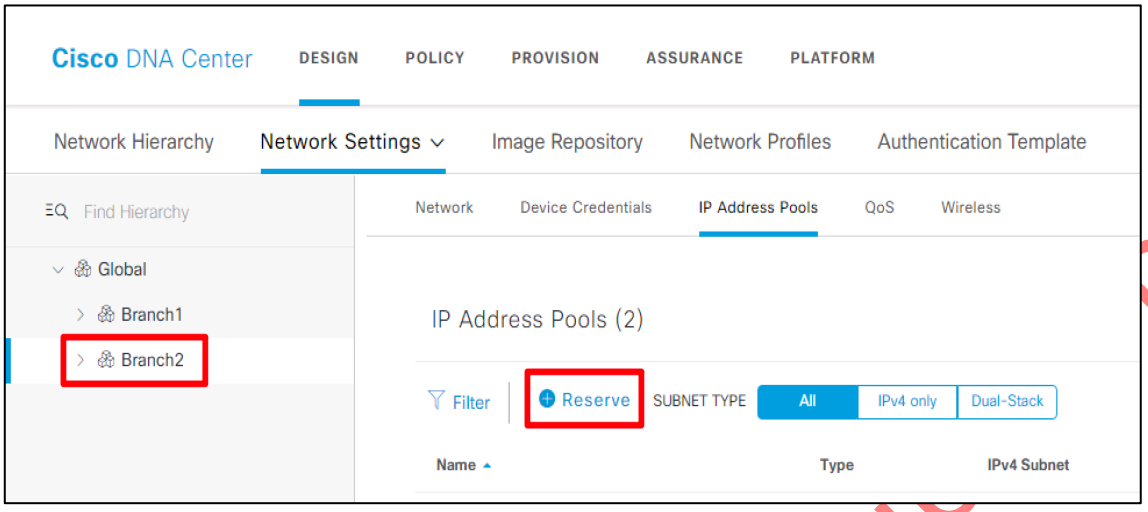
SPOTO www.spotoclub.com
Phone/WhatsApp: +86 183 4950 3759
+1 (346) 638-0369

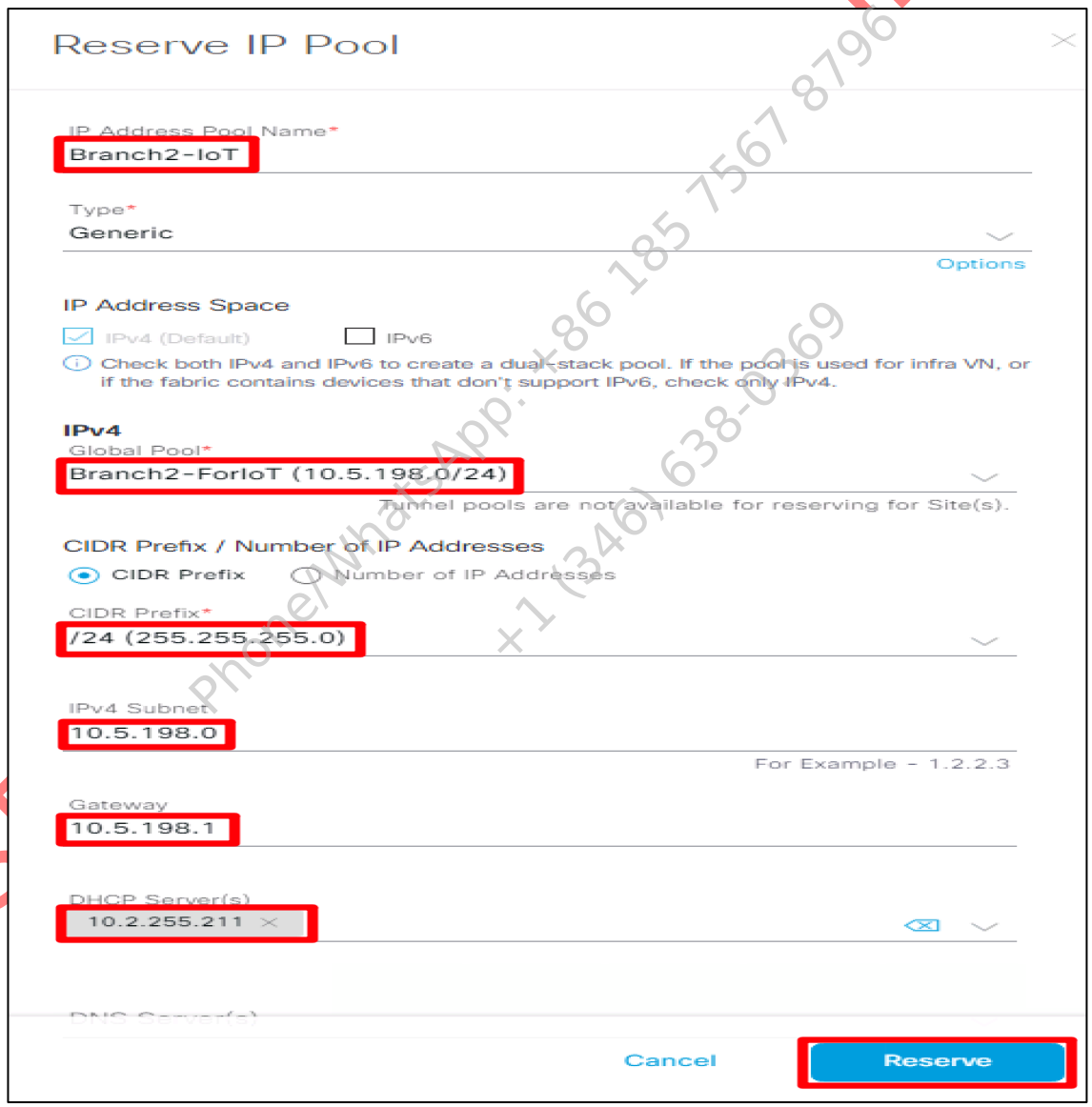
© 2020 **SPOTO** ALL RIGHTS RESERVED.



Phone/WhatsApp: +86 185 7567 8796
+1 (346) 638-0369
SPO

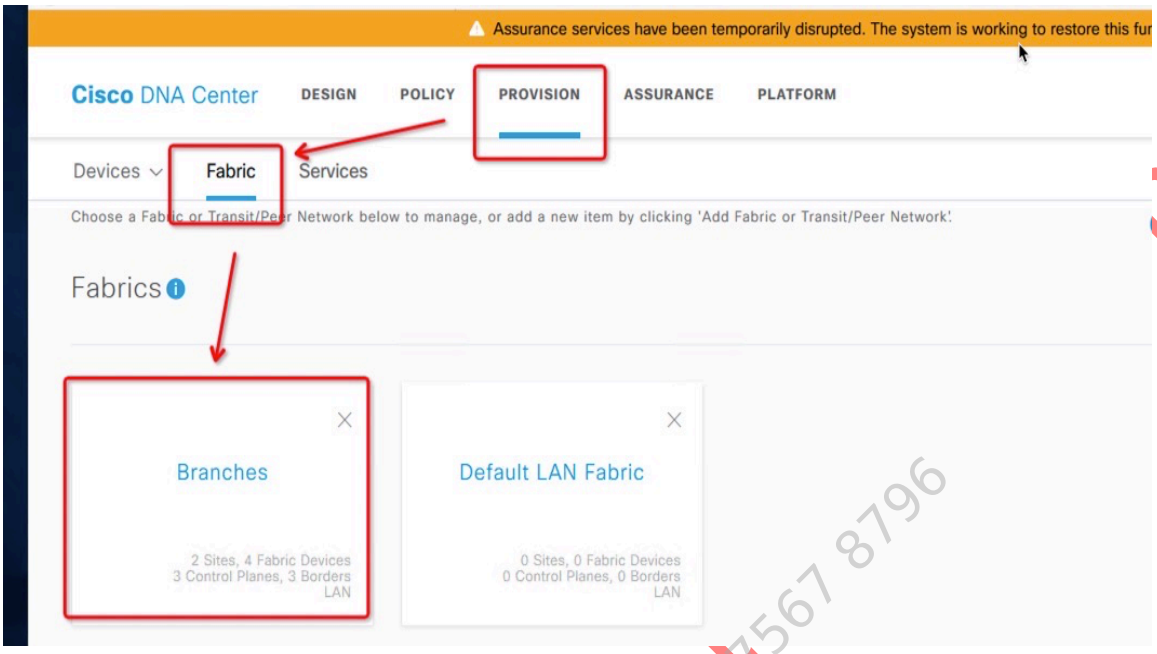
© 2020 **SPOTO** ALL RIGHTS RESERVED.

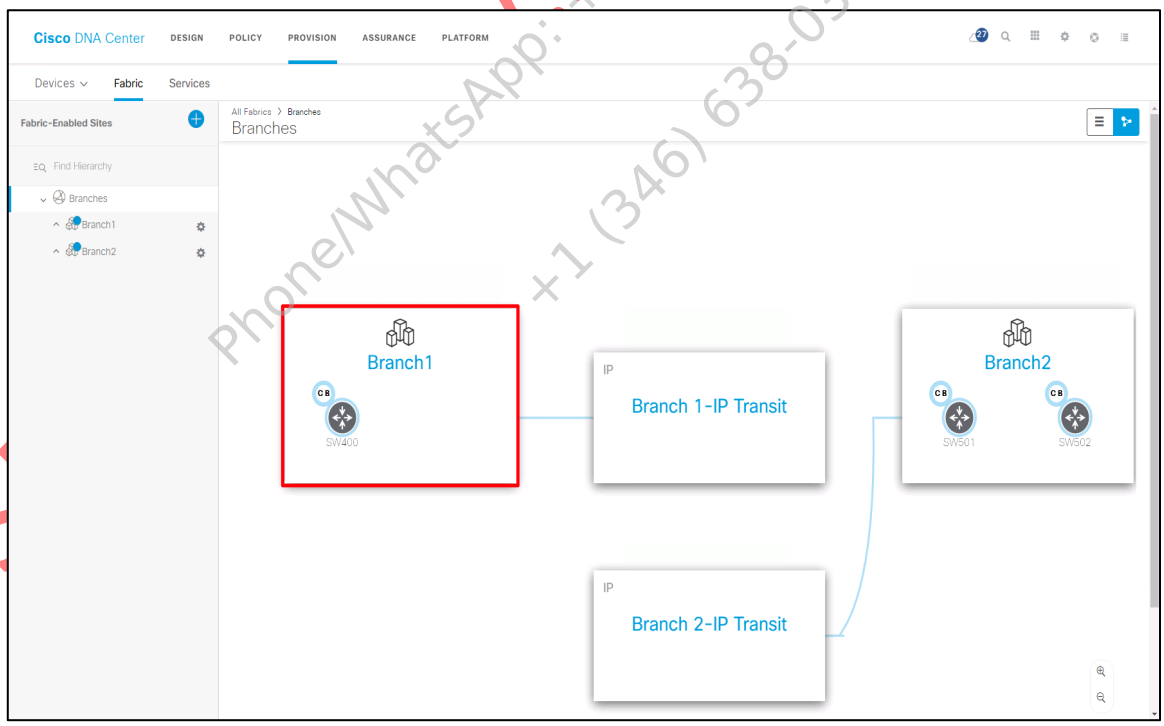




© 2020 **SPOTO** ALL RIGHTS RESERVED.

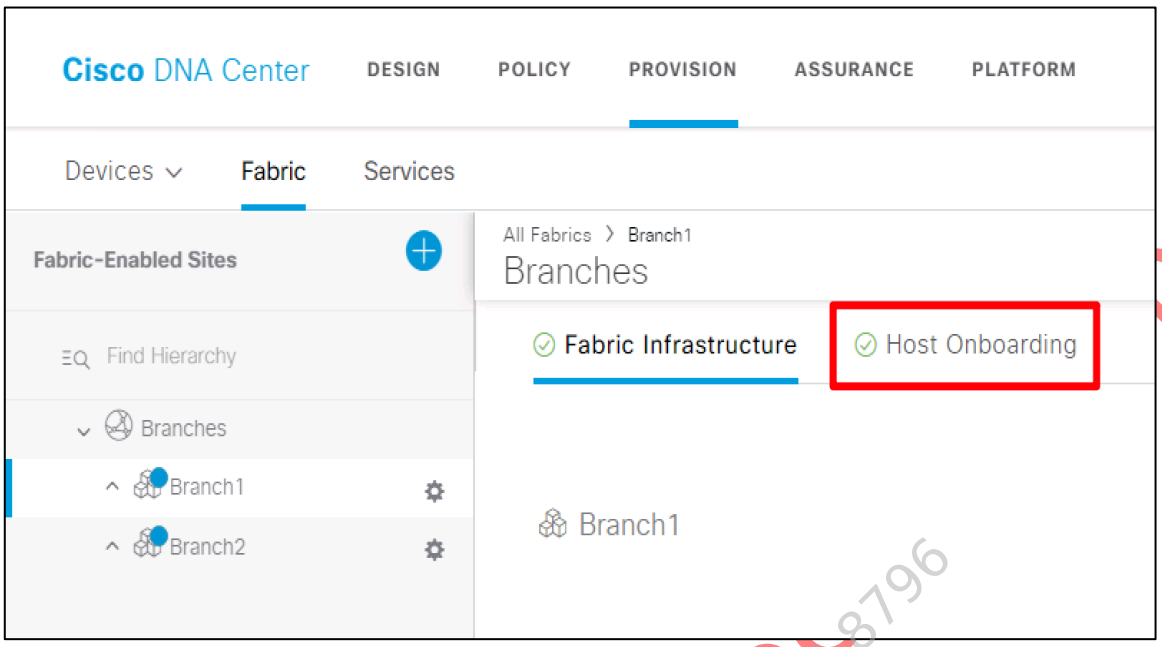
PROVISION -> Fabric

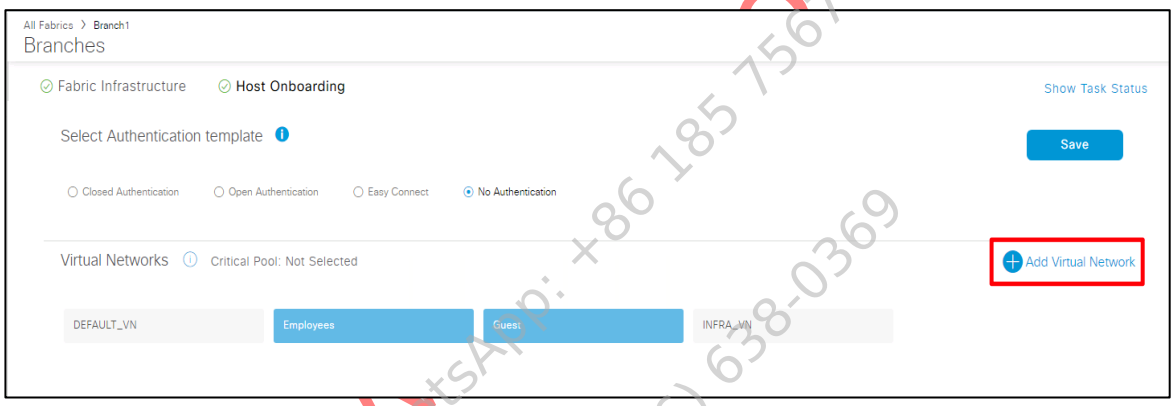




Phone/WhatsApp: +1 (346) 638-0369

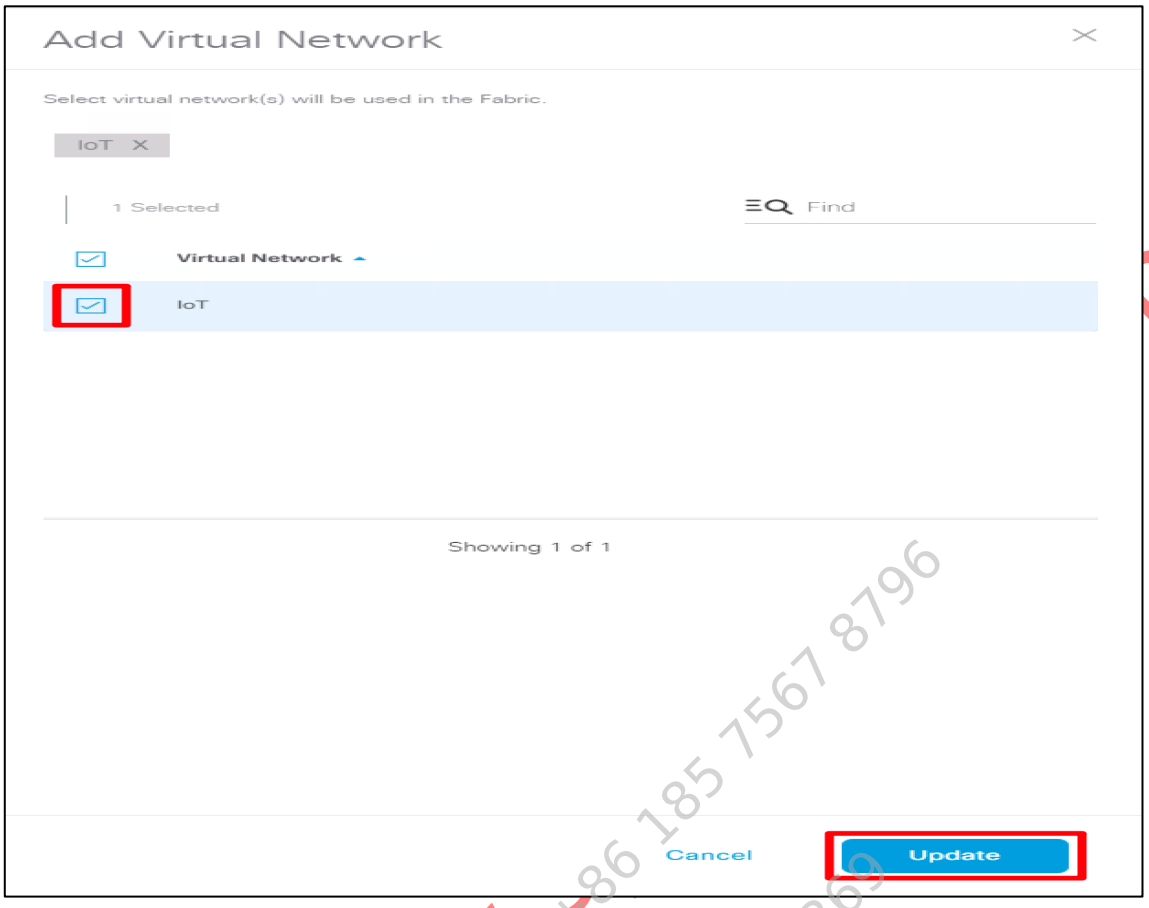
© 2020 **SPOTO** ALL RIGHTS RESERVED.



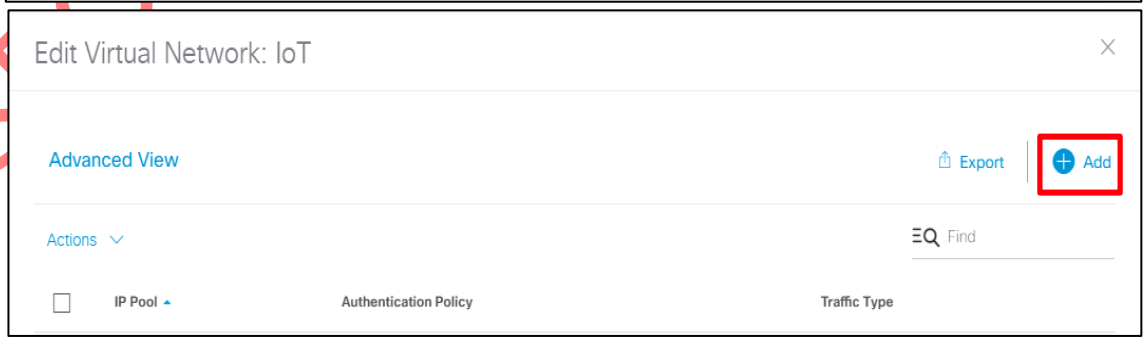


SPOTO WeChat/WhatsApp: +86 185 7567 8796
+1 (346) 638-0369

© 2020 **SPOTO** ALL RIGHTS RESERVED.

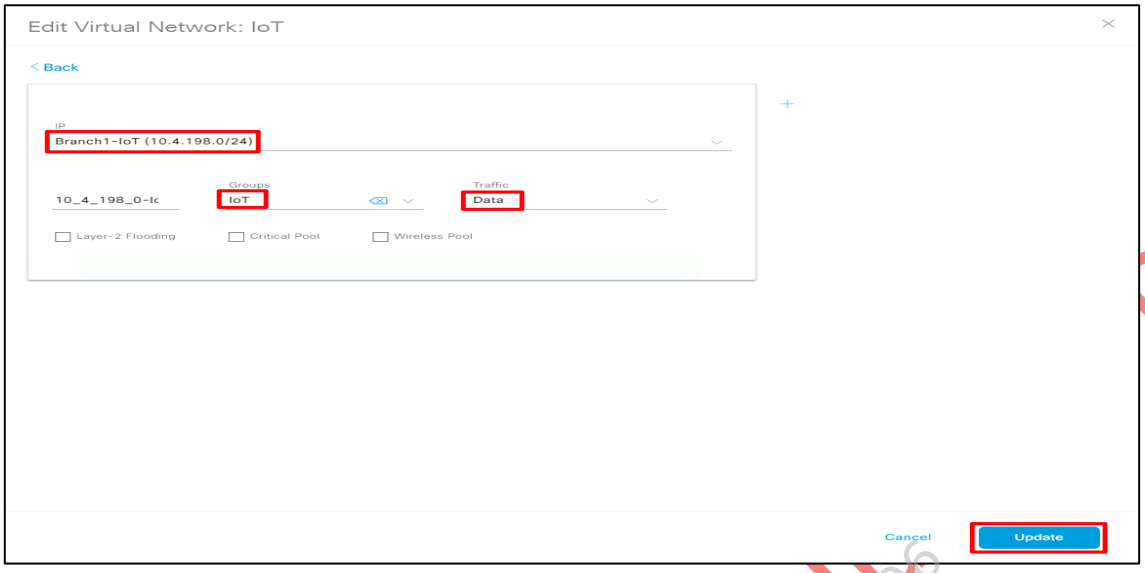






Phone/WhatsApp: +86 185 7567 8796
+1 (346) 638-0369

© 2020 **SPOTO** ALL RIGHTS RESERVED.

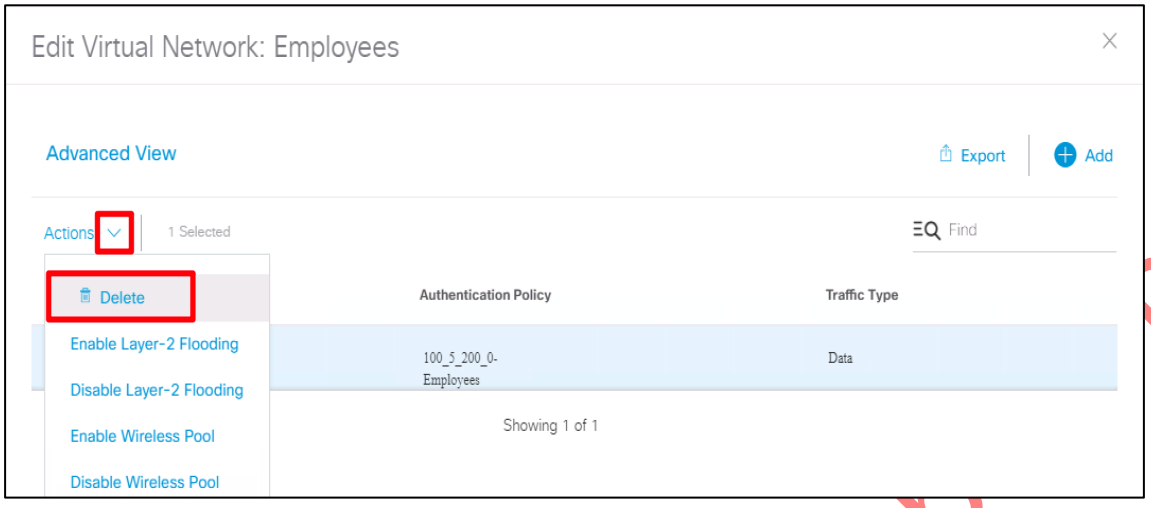




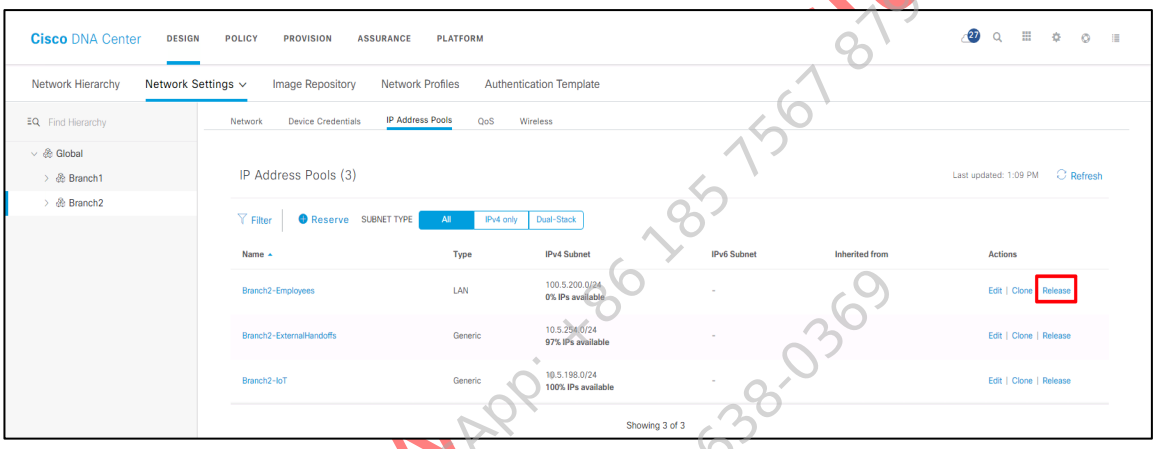


Phone/WhatsApp: +86 185 7567 8796
+1 (346) 638-0369

© 2020 **SPOTO** ALL RIGHTS RESERVED.



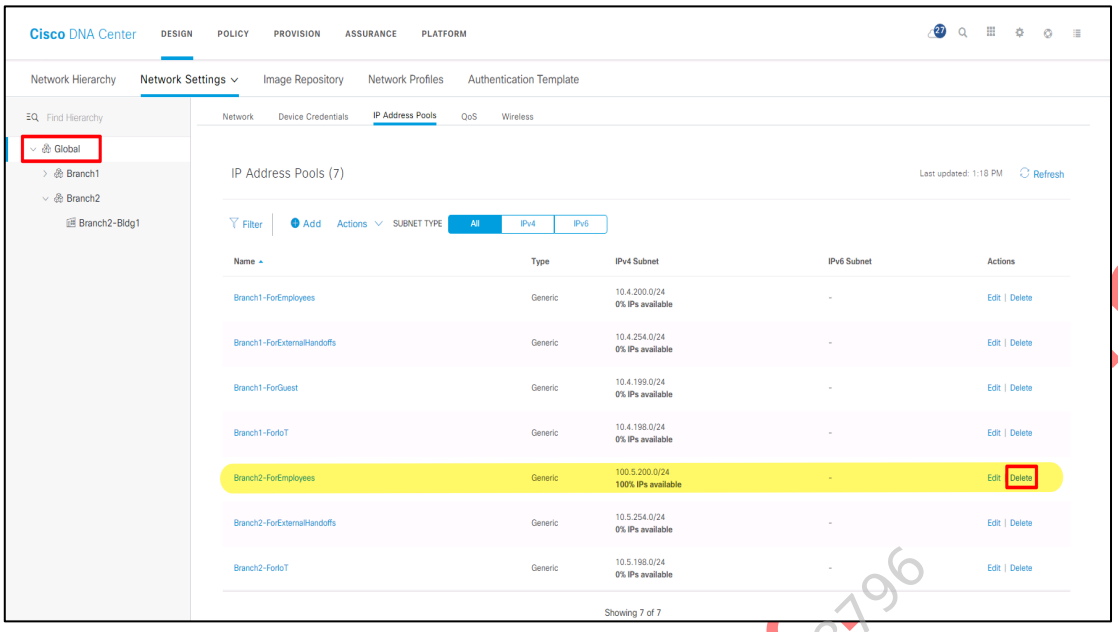
DESIGN -> Network Settings -> IP Address Pools -> Branch2

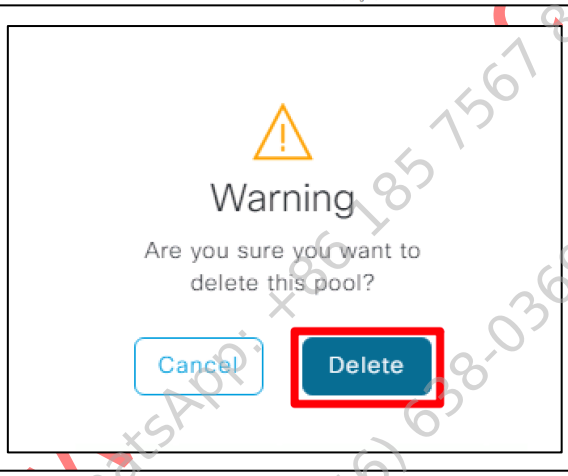


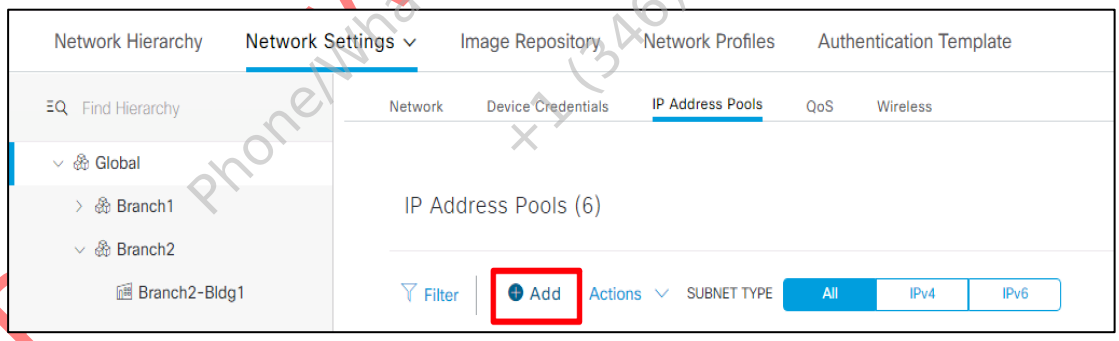


SPOTO
Phone/WhatsApp: +86 185 7567 8790
+1 (346) 638-0369

© 2020 **SPOTO** ALL RIGHTS RESERVED.

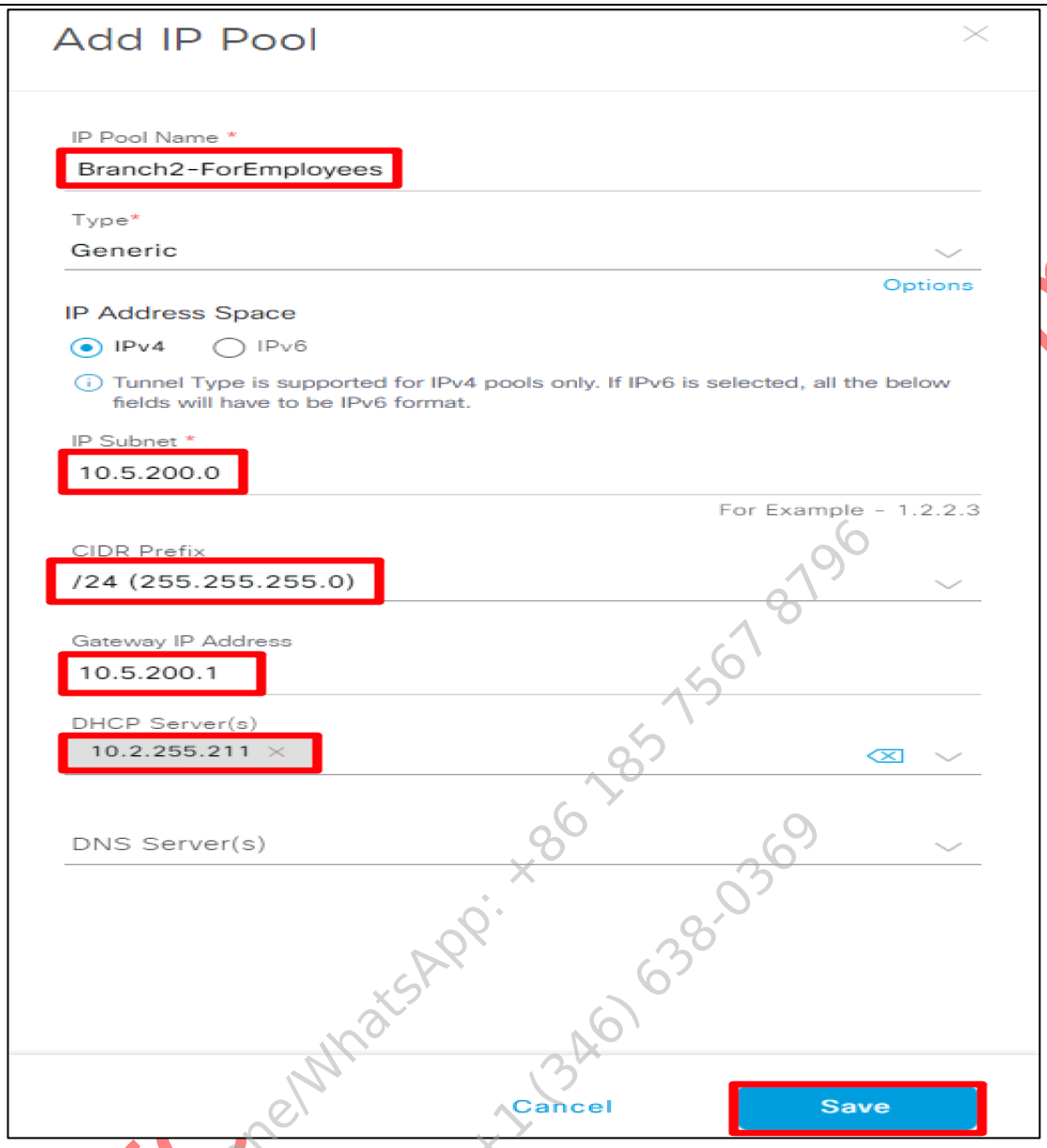






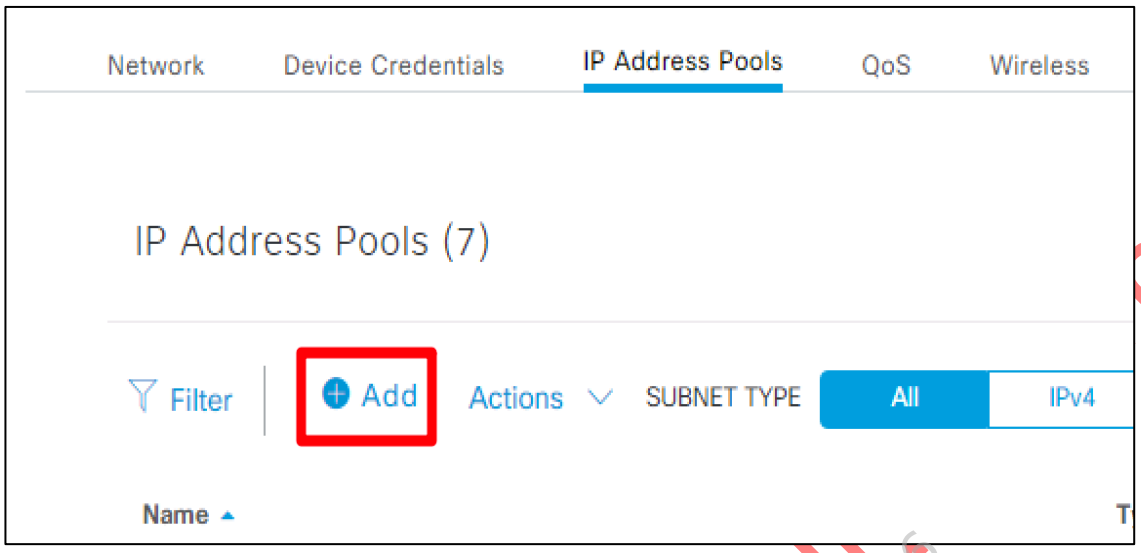
Phone/WhatsApp: +86 185 7567 8796
+1 (346) 638-0369

© 2020 **SPOTO** ALL RIGHTS RESERVED.



SPOTO Phone/WhatsApp: +86 185 7567 8796 +1(346) 638-0369

© 2020 **SPOTO** ALL RIGHTS RESERVED.



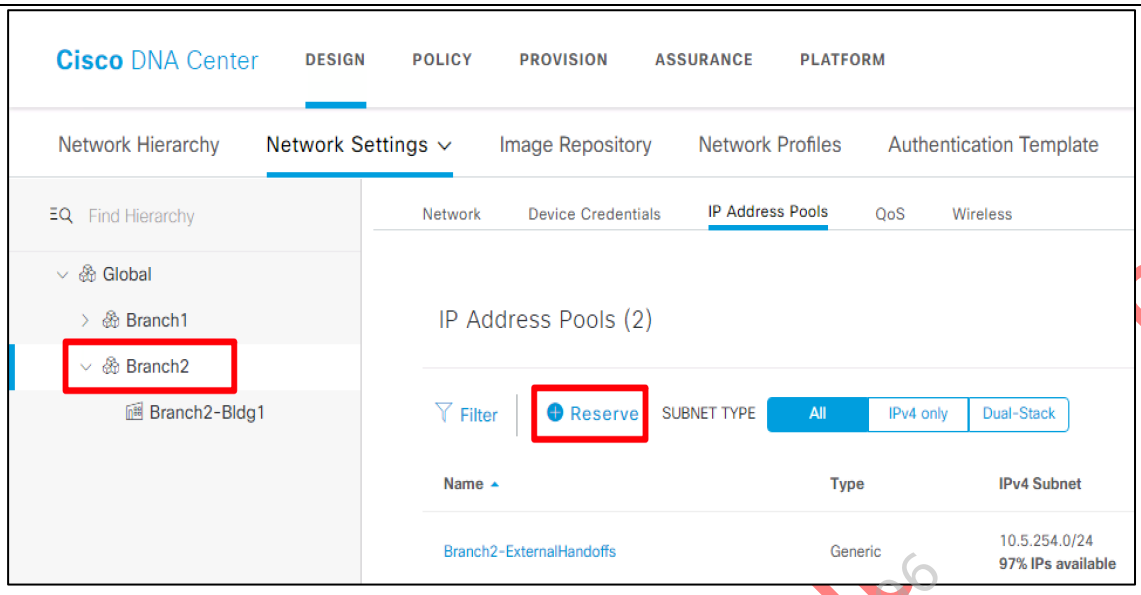
SPOTO www.spotoclub.com
Phone/WhatsApp: +86 183 4507 8796
+1 (346) 638-0369

© 2020 **SPOTO** ALL RIGHTS RESERVED.



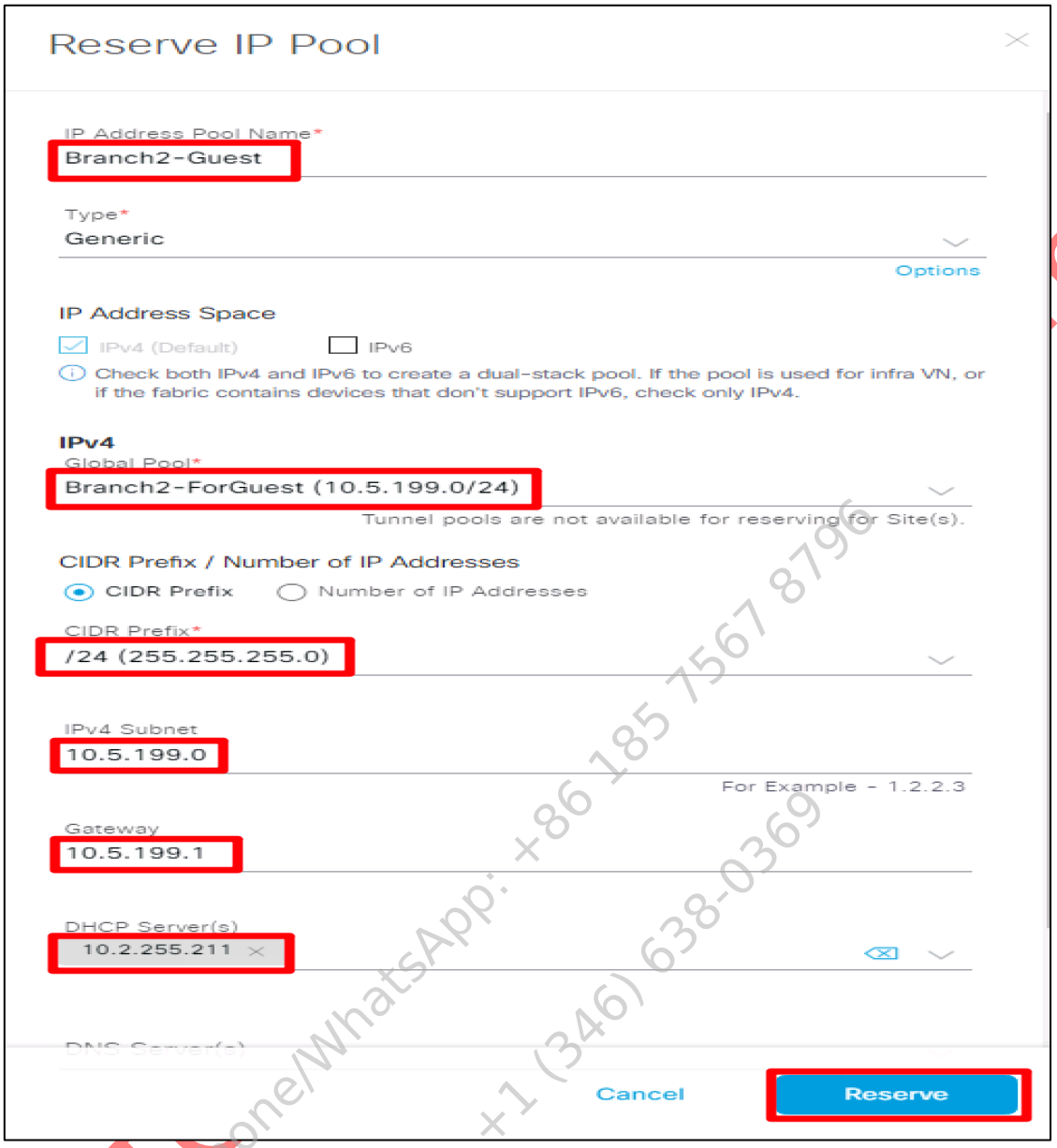
SPOTO Phone/WhatsApp: +86 185 7567 8796 +1 (346) 638-0369

© 2020 **SPOTO** ALL RIGHTS RESERVED.



SPOTO www.spotoclub.com
Phone/WhatsApp: +86 183 4950 3796
+1 (346) 638-0369

© 2020 **SPOTO** ALL RIGHTS RESERVED.



SPOTO Phone/WhatsApp: +86 185 7567 8796 +1 (346) 638-0369

© 2020 **SPOTO** ALL RIGHTS RESERVED.