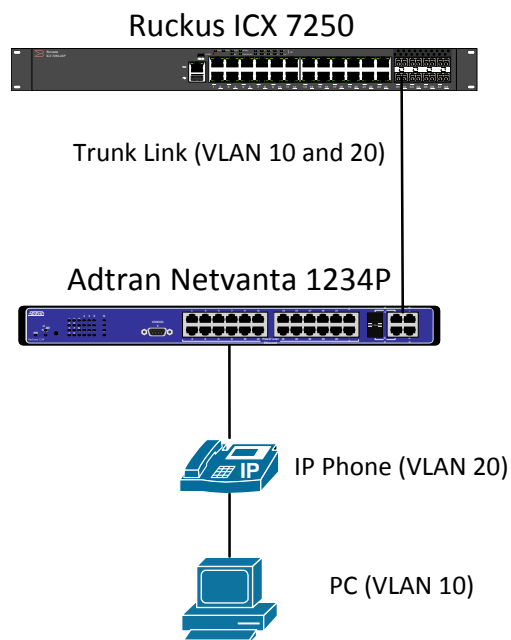


Ruckus ICX to Adtran Netvanta Interoperability

This document will discuss the interoperability between a Ruckus ICX switch and an Adtran Netvanta. For this discussion, we will have an IP Phone and a PC connected to the Adtran as the user access layer and the Adtran connected to the Ruckus ICX. The hardware used is listed below.

- Ruckus ICX 7250 – Code Version 8.0.60a
- Adtran Netvanta 1234P – Code version 12.4

Below is a diagram of the example:



Brocade ICX 7250 Configuration:

```
config t
!
vlan 10 name Network by port
tagged ethe 1/1/18
spanning-tree 802-1w
spanning-tree 802-1w priority 8192
!
vlan 20 name Voice by port
tagged ethe 1/1/18
spanning-tree 802-1w
spanning-tree 802-1w priority 8192
!
interface ethernet 1/1/18
port-name Adtran_Netvanta
```

Adtran Netvanta 1234P Configuration:

```
config t
!
vlan 10
name "Data"
!
vlan 20
name "voice"
!
interface switchport 0/1 - 24
spanning-tree edgeport
no shutdown
switchport access vlan 10
switchport voice vlan 20
!
interface gigabit-switchport 0/1
description Connection_to_ICX-7250
no shutdown
switchport mode trunk
!
interface vlan 10
ip address 10.10.10.245 255.255.255.0
no shutdown
```

Note: I have configured VLAN 10 as my management VLAN as well as my data. You can create a separate VLAN for management or use VLAN 1 (not recommended). Remember to add these VLANs to the Trunk link on the ICX side as tagged. If you use VLAN 1, you must also add the dual-mode command to the Trunk port.

***** Configuration if using VLAN 1 *****

```
config t
!
vlan 1 name Default by port
tagged ethe 1/1/18
spanning-tree 802-1w
spanning-tree 802-1w priority 8192
!
vlan 10 name Network by port
tagged ethe 1/1/18
spanning-tree 802-1w
spanning-tree 802-1w priority 8192
!
vlan 20 name Voice by port
tagged ethe 1/1/18
spanning-tree 802-1w
spanning-tree 802-1w priority 8192
!
interface ethernet 1/1/18
port-name Adtran_Netvanta
dual-mode
```

Adtran Netvanta 1234P Configuration:

```
config t
!
vlan 1
  name "Default"
!
vlan 10
  name "Data"
!
vlan 20
  name "voice"
!
interface range switchport 0/1 - 24
  spanning-tree edgeport
  no shutdown
  switchport access vlan 10
  switchport voice vlan 20
!
interface gigabit-switchport 0/1
  description Connection_to_ICX-7250
  no shutdown
  switchport mode trunk
!
interface vlan 1
  ip address 10.10.10.245 255.255.255.0
  no shutdown
```

Always remember to write memory after you have the configuration completed!