

Configuration Steps

Juniper SRX Router Configuration for WAN Connectivity:

```
# Set hostname
set system host-name SRX-Router

# Configure interfaces
set interfaces ge-0/0/0 unit 0 description "WAN Interface"
set interfaces ge-0/0/0 unit 0 family inet address <WAN_IP>/<Subnet>

# Configure default route
set routing-options static route 0.0.0.0/0 next-hop <Gateway_IP>

# Configure SSH for remote management
set system services ssh root-login allow
set system services ssh protocol-version v2

# Configure security zones and policies
set security zones security-zone untrust interfaces ge-0/0/0.0
set security zones security-zone trust interfaces ge-0/0/1.0
set security policies from-zone trust to-zone untrust policy allow-all
match source-address any
set security policies from-zone trust to-zone untrust policy allow-all
match destination-address any
set security policies from-zone trust to-zone untrust policy allow-all
match application any
set security policies from-zone trust to-zone untrust policy allow-all then
permit

# Commit configuration
commit
```

Cisco Switch Configuration for Internal VLAN Management:

```
# Set hostname
hostname Cisco-Switch

# Configure interfaces
interface range GigabitEthernet0/1 - 24
  description User Access Ports
  switchport mode access
  switchport access vlan 10
  spanning-tree portfast

interface range TenGigabitEthernet1/1 - 4
  description Uplink Ports
  switchport mode trunk
  switchport trunk allowed vlan 10,20,30

# Configure VLANs
vlan 10
  name Users
vlan 20
  name Management
vlan 30
  name Servers

# Configure SFP for internal fiber connectivity
interface TenGigabitEthernet1/1
```

```

description Fiber Uplink to Core
switchport mode trunk
switchport trunk native vlan 10

# Enable SSH for remote management
ip domain-name example.com
crypto key generate rsa
ip ssh version 2
line vty 0 4
  login local
  transport input ssh

# Save configuration
copy running-config startup-config

```

UniFi Dream Machine Pro Configuration for WiFi Controller:

1. **Initial Setup:**
 - Connect the Dream Machine Pro to your network.
 - Access the setup wizard through the UniFi Network app or via a web browser at https://<IP_of_Dream_Machine_Pro>.
2. **Create WiFi Networks:**
 - Log in to the UniFi Network Controller.
 - Navigate to "Settings" > "WiFi" > "Create New WiFi Network".
 - Configure the SSID, security settings, and VLAN assignment if applicable.
3. **Adopt UniFi Devices:**
 - Ensure all UniFi APs are connected to the network.
 - Navigate to "Devices" in the UniFi Network Controller.
 - Adopt the devices and apply the necessary configurations.

UniFi USW Pro Configuration for Core Switching:

1. **Initial Setup:**
 - Connect the USW Pro to your network.
 - Access the UniFi Network Controller and navigate to "Devices".
 - Adopt the USW Pro switch.
2. **Configure VLANs:**
 - Navigate to "Settings" > "Networks" > "Create New Network".
 - Define the VLAN ID, name, and settings.
3. **Configure Switch Ports:**
 - Navigate to the USW Pro in the "Devices" section.
 - Select the ports to configure and set the desired VLANs for each port.
 - For trunk ports, configure them to allow all necessary VLANs.
4. **Set Up Link Aggregation:**
 - If using link aggregation, configure LAG (Link Aggregation Groups) under the "Port Settings" in the UniFi Network Controller.