

# Brocade Switches



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- Below is output for IPv6 Brocade switch commands.
- Configure as many IPv6 settings as you have available!
- Below we have NTP, Sflow and DNS configured to use IPv6 address
- Don't forget IPv6 ACL's!

```
#ipv6 address 2001:abc:6000:1401::14/64
#ipv6 dns domain-name example.net
#ipv6 dns server-address 2001:abc:4310:f000::59:244 2001:abc:b0:f000::244

#sntp server ipv6 2001:abc:1000:1048:2a0:69ff:fe01:89a0
#sntp server ipv6 2001:abc:8220:1f01:2a0:69ff:fe01:a05c
#ipv6 dns server-address 2001:abc:a0::244 2001:abc:b0:f000::244

#sflow agent-ip 2001:abc:6000:1401::14          ***Note Switch Mgmt IP is agent-ip
#sflow sample 256
#sflow destination ipv6 X:X:X:X::X
#sflow enable

#ipv6 access-list TEST-v6-Sw-ACL
remark LAN
permit ipv6 2001:abc:2480:1000::/64 host 2001:abc:6000:1401::14
remark Deny_All
deny ipv6 any any mirror
```

# Brocade Switches

- Brocade switches at Layer 2 require a router-advertisement (RA) from an IPv6 router
- Below is the configuration for a Juniper RA from interface fe-1/0/0.101 along with the ipv6 neighbors and RA verification.

```
tjones@dcn1.ast> show configuration protocols
router-advertisement {
  interface fe-1/0/0.101;
}

fakees> show ipv6 neighbors
IPv6 Address      Linklayer Address  State      Exp  Rtr  Secure  Interface
2001:abc:6000:1401::10  84:2b:2b:13:9a:99  stale      881  no  no      fe-1/0/0.101
2001:abc:6000:1401::11  84:2b:2b:16:fd:88  stale      889  no  no      fe-1/0/0.101
2001:abc:6000:1401::14  00:12:f2:e4:92:80  stale      899  no  no      fe-1/0/0.101
fe80::212:f2ff:fee4:9280  00:12:f2:e4:92:80  stale      1120 no  no      fe-1/0/0.101
fe80::862b:2bff:fe13:9a99  84:2b:2b:13:9a:99  stale      364  no  no      fe-1/0/0.101
fe80::862b:2bff:fe16:fd88  84:2b:2b:16:fd:88  stale      896  no  no      fe-1/0/0.101

fakees> show ipv6 router-advertisement
Interface: fe-1/0/0.101
  Advertisements sent: 6676, last sent 00:03:19 ago
  Solicits received: 13, last received 1w3d 07:11:45 ago
  Advertisements received: 0
```

# Brocade Switches – SSH via IPv6

- Verify SSH access via IPv6

```
— ssh — bash — Homebrew — ttys000 — 127x20
$ ssh fakees@2001:abc:6:1401::14
You are accessing a U.S. Government (USG) Information System (IS) that is provided
for USG-authorized use only. By using this IS (which includes any device attached to this IS), you consent to the
following conditions: -The USG routinely intercepts and monitors communications on this IS for purposes
including, but not limited to, penetration testing, COMSEC monitoring, network
operations and defense, personnel misconduct (PM), law enforcement (LE), and
counterintelligence (CI) investigations. -At any time, the USG may inspect and seize data stored on this IS.
-Communications using, or data stored on, this IS are not private, are subject to routine
monitoring, interception, and search, and may be disclosed or used for any USG authorized
purpose. -This IS includes security measures (e.g., authentication and access controls) to protect
USG interests-not for your personal benefit or privacy.
-Notwithstanding the above, using this IS does not constitute consent to PM, LE or CI
investigative searching or monitoring of the content of privileged communications, or
work product, related to personal representation or services by attorneys,
psychologists, or clergy, and their assistants. Such communications and work product
are private and confidential. See User Agreement for details.
$fakees@2001:abc:6:1401::14's password:
Warning: No xauth data; using fake authentication data for X11 forwarding.
SSH@fakees>
```

**Success!!**