14. SAVI

- 14.1. SAVI
- 14.2. SAVI
- 14.3. SAVI
- 14.4. SAVI

14.1. SAVI

SAVI (Source Address Validation Improvement) - , IP- . , **SAVI**, **SAVI** : , **SAVI** . , **SAVI** , . , **SAVI** .

SAVI **ND Snooping**, **DHCPv6 Snooping** **RA Snooping** .

14.2. SAVI

1. SAVI;
2. SAVI;
3. SAVI;
4. SAVI;
5. SAVI;
6. SLAAC;
7. ;
8. ;
9. CPS ;
10. MAC;
11. ;
12. ;
13. DHCPv6;
14. ND;
15. SAVI .

1. SAVI:

savi enable no savi enable **!**	SAVI; no .

2. SAVI:

savi ipv6 {dhcp-only | slaac-only | dhcp-slaac} enable no savi ipv6 {dhcp-only | slaac-only | dhcp-slaac} enable **!**	: dhcp-only - DHCPv6 DAD NS link-local IPv6 ; slaac-only **-** link-local DAD NS; dhcp-slaac - DHCPv6 DAD NS. no .

3. SAVI

savi ipv6 check source binding ip <ipv6-address> mac <mac-address> interface <if-name> {type [slaac | dhcp] lifetime <lifetime> | type static} no savi ipv6 check source binding ip <ipv6-address> interface <if-name> **!**	SAVI IP- <ipv6-address>, MAC- <mac-address> <if-name>. type [slaac | dhcp] lifetime <lifetime> <lifetime>, type static . no .

4. SAVI:

savi max-dad-delay <max-dad-delay> no savi max-dad-delay **!**	DETECTION. no - - 1 .

5. SAVI:

savi max-dad-prepare-delay <max-dad-prepare-delay> no savi max-dad-prepare-delay **!**	. no - - 1 .

6. SLAAC:

savi max-slaac-life <max-slaac-life> no savi max-slaac-life **!**	SLAAC, . no - - 14400 (4).

7. :

savi timeout bind-protect <protect-time> no savi timeout bind-protect **!**	SAVI DOWN. no - - 30 .

8. :

ipv6 cps prefix check enable no ipv6 cps prefix check enable **!**	vlan. no .

9. CPS :

ipv6 cps prefix <ip-address> vlan <vid> no ipv6 cps prefix <ip-address> **!**	vlan . no .

10. MAC:

savi ipv6 mac-binding-limit <limit-num> no savi ipv6 mac-binding-limit **!**	SAV c MAC . no - - 32 .

11. :

savi check binding <simple | probe> mode no savi check binding mode **!**	: simple - ; probe - NS .

12. double-stack:

savi ipv6 check source [ipv6-address mac-address | ipv4-address | mac-address] no savi ipv6 check source **!**	double-stack , . no . .

13. DHCPv6:

ipv6 dhcp snooping trust no ipv6 dhcp snooping trust **!**	DHCPv6 Snooping. no .

14. ND:

ipv6 nd snooping trust no ipv6 nd snooping trust **!**	ND Snooping. no .

15. SAVI :

savi ipv6 binding num <limit-num> no savi ipv6 binding num **!**	SAVI ; no - - 65535 .

14.3. SAVI

1 2, “**Switch**” Ethernet1/0/12 Ethernet1/0/13 , **IPv6** . **SAVI**. Ethernet1/0/1 , **DHCPv6 ND**. “**Switch_Aggr**” **DHCPv6 RA**.

:

```
Switch(config)#savi enable
Switch(config)#savi ipv6 dhcp-slaac enable
Switch(config)#savi check binding probe mode
Switch(config)#interface ethernet1/0/1
Switch(config-if-ethernet1/0/1)#ipv6 dhcp snooping trust
Switch(config-if-ethernet1/0/1)#ipv6 nd snooping trust
Switch(config-if-ethernet1/0/1)#exit
Switch(config)#interface ethernet1/0/12-13
Switch(config-if-port-range)#savi ipv6 check source ip-address mac-address
Switch(config-if-port-range)#savi ipv6 binding num 4
Switch(config-if-port-range)#exit
```

14.4. SAVI

- **SAVI IPv6** , , **SAVI** , / ;
- **DHCPv6**, , **DHCPv6** ;
- **SAVI**, , (MAC,) .