

14. SAVI

- 14.1. SAVI
- 14.2. SAVI
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- 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	SAVI; no .
no savi enable	
!	

2. SAVI:

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 .
no savi ipv6 {dhcp-only slaac-only dhcp-slaac} enable	
!	

3. SAVI

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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 .
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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 :

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ipv6 cps prefix <ip-address> vlan <vid> no ipv6 cps prefix <ip-address> !	vlan . no .
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10. MAC:

savi ipv6 mac-binding-limit <limit-num> no savi ipv6 mac-binding-limit !	SAV c MAC . no - - 32 .
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11. :

savi check binding <simple probe> mode no savi check binding mode !	: simple - ; probe - NS .
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12. double-stack:

savi ipv6 check source [ipv6-address mac-address ipv4-address mac-address] no savi ipv6 check source !	double-stack , . no . .
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13. DHCPv6:

ipv6 dhcp snooping trust no ipv6 dhcp snooping trust !	DHCPv6 Snooping. no .
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14. ND:

ipv6 nd snooping trust no ipv6 nd snooping trust !	ND Snooping. no .
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15. SAVI :

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

14.3. SAVI

1 2, "Switch" Ethernet1/0/12 Ethernet1/0/13 , IPv6 . SAVI. Ethernet1/0/1 , DHCPv6 ND. "Switch_Aggr" DHCPv6 RA.
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```
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 ,) .