A Commands

This chapter describes the Cisco NX-OS Hot Standby Router Protocol (HSRP) commands that begin with A.

authentication (HSRP)

To configure authentication for the Hot Standby Router Protocol (HSRP), use the **authentication** command. To disable authentication, use the **no** form of this command.

authentication {*string* | **md5** {**key-chain** *key-chain* | **key-string** {**0** | **7**} *text* [**timeout** *seconds*]} | **text** *string*}

no authentication {*string* | **md5** {**key-chain** *key-chain* | **key-string** {**0** | **7**} *text* [**timeout** *seconds*]} | **text** *string*}

Syntax Description

md5	Specifies the Message Digest 5 (MD5) authentication.
key-chain *key-chain*	Identifies a group of authentication keys.
key-string	Specifies the secret key for MD5 authentication.
0	Specifies a clear text string.
7	Specifies an encrypted string.
text	Secret key for MD5 authentication. The range is from 1 to 255 characters. We recommend that you use at least 16 characters.
timeout *seconds*	(Optional) Specifies the authentication timeout value. The range is from 0 to 32767.
text *string*	Specifies an authentication string. The range is from 1 to 255 characters. The default string is “cisco”.

Command Default

Disabled

Command Modes

HSRP configuration or HSRP template mode

Command History

Release	Modification
5.0(3)N1(1)	This command was introduced.

Usage Guidelines

Use the **authentication text** command to prevent misconfigured routers from participating in HSRP groups that they are not intended to participate in. The authentication string is sent unencrypted in all HSRP messages. The same authentication string must be configured on all routers in the same group to ensure interoperation. HSRP protocol packets that do not authenticate are ignored.

Caution If you configure two routers with identical HSRP IP addresses but with different authentication strings, then neither router is aware of the duplication.

Examples

This example shows how to configure an authentication string for HSRP group 2:

```
switch# configure terminal
```

```
switch(config)# interface ethernet 0/1
switch(config-if)# no switchport
switch(config-if)# ip address 10.0.0.1 255.255.255.0
switch(config-if)# hsrp 2
switch(config-if-hsrp)# priority 110
switch(config-if-hsrp)# preempt
switch(config-if-hsrp)# authentication text sanjose
switch(config-if-hsrp)# ip 10.0.0.3
switch(config-if-hsrp)# end
switch(config-if-hsrp)#
```

Related Commands

Command	Description
feature hsrp	Enables HSRP and enters HSRP configuration mode.
hsrp group	Creates an HSRP group.