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## A Commands

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This chapter describes the Cisco NX-OS FabricPath commands that begin with A.

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## authentication-check (FabricPath)

To enable an authentication check on received protocol data units (PDUs), use the **authentication-check** command. To return to the default setting, use the **no** form of this command.

**authentication-check**

**no authentication-check**

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**Syntax Description** This command has no arguments or keywords.

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**Command Default** Enabled

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**Command Modes** FabricPath IS-IS configuration mode

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| Command History | Release     | Modification                 |
|-----------------|-------------|------------------------------|
|                 | 5.1(3)N1(1) | This command was introduced. |

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**Usage Guidelines** This command requires an Enhanced Layer 2 license.

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**Examples** This example shows how to enable an authentication check on received PDUs:

```
switch# configure terminal
Enter configuration commands, one per line. End with CNTL/Z.
switch(config)# fabricpath domain default
switch(config-fabricpath-isis)# authentication-check
switch(config-fabricpath-isis)#
```

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| Related Commands | Command                     | Description                            |
|------------------|-----------------------------|----------------------------------------|
|                  | <b>show fabricpath isis</b> | Displays FabricPath IS-IS information. |

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## authentication key-chain (FabricPath)

To configure an authentication keychain between FabricPath devices, use the **authentication key-chain** command. To return to the default setting, use the **no** form of this command.

**authentication key-chain** *auth-key-chain-name*

**no authentication key-chain** *auth-key-chain-name*

| Syntax Description | <i>keychain-name</i> | Authentication keychain. The maximum size is 63 alphanumeric characters. |
|--------------------|----------------------|--------------------------------------------------------------------------|
|--------------------|----------------------|--------------------------------------------------------------------------|

| Defaults | None |
|----------|------|
|----------|------|

| Command Modes | FabricPath IS-IS configuration mode |
|---------------|-------------------------------------|
|---------------|-------------------------------------|

| Command History | Release     | Modification                 |
|-----------------|-------------|------------------------------|
|                 | 5.1(3)N1(1) | This command was introduced. |

| Usage Guidelines | Use the <b>authentication key-chain</b> command to assign a password in the authentication of a hello protocol data unit. Only one authentication key-chain is applied to an IS-IS interface at one time. If you configure a second <b>authentication</b> command, the first is overridden. You can specify authentication for an entire instance of IS-IS instead of at the interface level by using the <b>authentication</b> command. |
|------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

See the *Cisco Nexus 5000 Series NX-OS Security Configuration Guide* for information about keychains.

This command requires an Enhanced Layer 2 license.

| Examples | This example shows how to configure an authentication keychain string for edge device authentication: |
|----------|-------------------------------------------------------------------------------------------------------|
|----------|-------------------------------------------------------------------------------------------------------|

```
switch# configure terminal
Enter configuration commands, one per line. End with CNTL/Z.
switch(config)# fabricpath domain default
switch(config-fabricpath-isis)# authentication key-chain fabrickeys
switch(config-fabricpath-isis)#
```

| Related Commands | Command                     | Description                            |
|------------------|-----------------------------|----------------------------------------|
|                  | <b>show fabricpath isis</b> | Displays FabricPath IS-IS information. |

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## authentication-type (FabricPath)

To configure an authentication type, use the **authentication-type** command. To return to the default setting, use the **no** form of this command.

**authentication-type** { cleartext | md5 }

**no authentication-type** { cleartext | md5 }

|                           |                                                                                                                                                                                                                                            |                                                    |
|---------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|
| <b>Syntax Description</b> | <b>cleartext</b>                                                                                                                                                                                                                           | Specifies the cleartext authentication method.     |
|                           | <b>md5</b>                                                                                                                                                                                                                                 | Specifies the Message Digest (MD5) authentication. |
| <b>Command Default</b>    | Enabled                                                                                                                                                                                                                                    |                                                    |
| <b>Command Modes</b>      | FabricPath IS-IS configuration mode                                                                                                                                                                                                        |                                                    |
| <b>Command History</b>    | <b>Release</b>                                                                                                                                                                                                                             | <b>Modification</b>                                |
|                           | 5.1(3)N1(1)                                                                                                                                                                                                                                | This command was introduced.                       |
| <b>Usage Guidelines</b>   | Use the <b>authentication-type</b> command to configure the authentication type for hello protocol data units (PDUs) on an interface.                                                                                                      |                                                    |
|                           | This command requires an Enhanced Layer 2 license.                                                                                                                                                                                         |                                                    |
| <b>Examples</b>           | This example shows how to specify cleartext authentication:                                                                                                                                                                                |                                                    |
|                           | <pre>switch# configure terminal Enter configuration commands, one per line. End with CNTL/Z. switch(config)# fabricpath domain default switch(config-fabricpath-isis)# authentication-type cleartext switch(config-fabricpath-isis)#</pre> |                                                    |
| <b>Related Commands</b>   | This example shows how to specify Message Digest (MD5) authentication:                                                                                                                                                                     |                                                    |
|                           | <pre>switch# configure terminal Enter configuration commands, one per line. End with CNTL/Z. switch(config)# fabricpath domain default switch(config-fabricpath-isis)# authentication-type md5 switch(config-fabricpath-isis)#</pre>       |                                                    |
| <b>Related Commands</b>   | <b>Command</b>                                                                                                                                                                                                                             | <b>Description</b>                                 |
|                           | <b>show fabricpath isis</b>                                                                                                                                                                                                                | Displays FabricPath IS-IS information.             |