



## G Commands

---

- [group](#), on page 2
- [gzip](#), on page 3
- [gunzip](#), on page 4

# group

To configure a Modular Exponentiation (MODP) Diffie-Hellman (DH) group for an IKE protocol policy, use the `group` command in IKE policy configuration submode. To revert to the default, use the `no` form of the command.

```
group 1 | 2 | 5
no group
```

## Syntax Description

1	Specifies 768-bit MODP DH group.
2	Specifies 1024-bit MODP DH group.
5	Specifies 1536-bit MODP DH group.

## Command Default

1.

## Command Modes

IKE policy configuration submode.

## Command History

Release	Modification
2.0(x)	This command was introduced.

## Usage Guidelines

To use this command, the IKE protocol must be enabled using the `crypto ike enable` command.

## Examples

The following example shows how to configure the DH group for the IKE protocol:

```
switch# config terminal
switch(config)# crypto ike domain ipsec
switch(config-ike-ipsec)# policy 1
switch(config-ike-ipsec-policy)# group 1
```

## Related Commands

Command	Description
<code>crypto ike domain ipsec</code>	Enters IKE configuration mode.
<code>crypto ike enable</code>	Enables the IKE protocol.
<code>policy</code>	Configures IKE policy parameters.
<code>show crypto ike domain ipsec</code>	Displays IKE information for the IPsec domain.

# gzip

To compress (zip) a specified file using LZ77 coding, use the gzip command in EXEC mode.

```
gzip bootflash: | slot0: | volatile: filename
```

## Syntax Description

bootflash:	Source location for the file to be compressed and destination of the compressed file.
slot0:	Source location for the file to be compressed and destination of the compressed file.
volatile:	Source location for the file to be compressed and destination of the compressed file. This is the default directory.
filename	The name of the file to be compressed.

## Command Default

None.

## Command Modes

EXEC mode.

## Command History

Release	Modification
1.1(1)	This command was introduced.

## Usage Guidelines

This command is useful in compressing large files. The output of the show tech-support command can be directed to a file and compressed for further use. The gzip command replaces the source file with a compressed .gz file.

## Examples

This example directs the output of the show tech-support command to a file (Samplefile) and then zips the file and displays the difference in the space used up in the volatile: directory:

```
switch# show tech-support > Samplefile
Building Configuration ...
switch# dir
 1525859      Jul 04 00:51:03 2003  Samplefile
Usage for volatile://
 1527808 bytes used
 19443712 bytes free
 20971520 bytes total
switch# gzip volatile:Samplefile
switch# dir
 266069      Jul 04 00:51:03 2003  Samplefile.gz
Usage for volatile://
 266240 bytes used
 20705280 bytes free
 20971520 bytes total
```

## Related Commands

Command	Description
gunzip	Uncompresses LZ77 coded files.

# gunzip

To uncompress (unzip) LZ77 coded files, use the gunzip command in EXEC mode.

gunzip bootflash: | slot0: | volatile: filename

## Syntax Description

bootflash:	Specifies the source location for the compressed file and destination of the uncompressed file.
slot0:	Specifies the source location for the compressed file and destination of the uncompressed file.
volatile:	Specifies the source location for the compressed file and destination of the uncompressed file. This is the default directory.
filename	Specifies the name of the compressed file.

## Command Default

None.

## Command Modes

EXEC mode.

## Command History

Release	Modification
1.1(1)	This command was introduced.

## Usage Guidelines

This command is useful in uncompressing large files. The gunzip command replaces the compressed.gz source file with an uncompressed file.

## Examples

This example unzips a compressed file on volatile: directory and displays the space used:

```
switch# dir
 266069      Jul 04 00:51:03 2003  Samplefile.gz
Usage for volatile://
 266240 bytes used
20705280 bytes free
20971520 bytes total
switch# gunzip Samplefile
switch# dir
 1525859      Jul 04 00:51:03 2003  Samplefile
Usage for volatile://
 1527808 bytes used
19443712 bytes free
20971520 bytes total
```

## Related Commands

Command	Description
gzip	Compresses a specified file using LZ77 coding.