



## B

---

**Last Updated: March 31, 2011**

[backup](#)  
[backup categories](#)  
[backup category](#)  
[backup notification](#)  
[backup schedule](#)  
[backup schedule disable all](#)  
[backup security enforced](#)  
[backup security key](#)  
[backup security key](#)  
[backup server authenticate](#)  
[banner login](#)

# backup

To set the backup parameters, use the **backup** command in Cisco Unity Express configuration mode. To delete the number of revisions or the backup server URL, use the **no** form of this command.

**backup** { **revisions** *number* | **server url** *ftp-url* **username** *ftp-username* **password** *ftp-password* }

**no backup** { **revisions** *number* | **server url** *ftp-url* }

## Syntax Description

<b>revisions</b> <i>number</i>	Number of revision files stored in the Cisco Unity Express database.
<b>server url</b> <i>ftp-url</i>	URL to the FTP (or secure FTP) server where the backup files will be stored.
<b>username</b> <i>ftp-username</i>	User ID needed to access the FTP (or secure FTP) server.
<b>password</b> <i>ftp-password</i>	Password needed to access the FTP (or secure FTP) server.

## Command Modes

Cisco Unity Express configuration

## Command History

Cisco Unity Express Version	Modification
1.0	This command was introduced on the Cisco Unity Express network module and in Cisco Unified Communications Manager Express 3.0.
1.1	This command was implemented on the advanced integration module (AIM) and in Cisco Unified Communications Manager 3.3(3).
1.1.2	This command was implemented on the Cisco 2800 series and Cisco 3800 series routers.
3.0	This command was modified to allow you to use a backup server that supports SFTP.

## Usage Guidelines

Set these parameters before backing up any files.

Consider the amount of storage space that each backup file requires when setting the number of files to store. When the number is reached, the next backup file overwrites the oldest stored backup file.

The system automatically numbers and dates the backup files and identifies the revision number in a **backupid** field. Reference this backup ID value when restoring a file.

Performing different backup types at various times causes different backup IDs for data backups and configuration backups. For example, the last data backup ID might be 3 and the last configuration backup might be 4. Performing an **all** backup might result in a backup ID of 5 for both data and configuration. See the [backup category](#) command for information about different backup types.

For secure FTP, the URL is of the form sftp://...

## Examples

The following example sets 7 revisions on FTP server /branch/vmbackups.

```
se-10-0-0-0> enable
se-10-0-0-0# config t
se-10-0-0-0(config)# backup revisions 7
se-10-0-0-0(config)# backup server url ftp://branch/vmbackups username admin password
mainserver
```

The following example sets 5 revisions on a secure FTP server /vmbackups.

```
se-10-0-0-0> enable
se-10-0-0-0# config t
se-10-0-0-0(config)# backup revisions 5
se-10-0-0-0(config)# backup server url sftp://vmbackups username admin password mainserver
```

## Related Commands

Command	Description
<a href="#">backup category</a>	Specifies the type of data to be backed up.
<a href="#">show backup history</a>	Displays statistics for backed-up files.
<a href="#">show backup server</a>	Displays the FTP server designated to store backup files.

# backup categories

To specify which categories of data to backup for scheduled backups, use the **backup categories** command in Cisco Unity Express scheduled backup configuration mode.

**backup categories** [**all**] [**configuration**] [**data**] [**HistoricalData**] [**TimeCardView**]

## Syntax Description

<b>all</b>	Backup all categories of data.
<b>configuration</b>	Backup configuration data.
<b>data</b>	Backup data.
<b>HistoricalData</b>	Backup historical data.
<b>TimeCardView</b>	Backup data for the Time Card View application

## Command Default

None.

## Command Modes

Cisco Unity Express scheduled backup configuration (backup-schedule)

## Command History

Cisco Unity Express Version	Modification
7.1	This command was introduced.

## Usage Guidelines

You can specify multiple categories of data. This command applies to scheduled backups only. To set categories for non-scheduled backups, see the [backup category](#) command.

## Examples

The following example specifies that only configuration data will be backed up in the scheduled backup:

```
se-10-0-0-0# config t
se-10-0-0-0(config)# backup schedule
Your new JOB ID is 22
se-10-0-0-0(backup-schedule)# backup categories configuration
```

## Related Commands

Command	Description
<a href="#">backup schedule</a>	Enters backup-schedule submode.
<a href="#">show backup schedule detail job</a>	Shows details for the specified recurring scheduled backup job.

# backup category

To specify the type of data to be backed up, use the **backup category** command in Cisco Unity Express offline mode.

**backup category {all | configuration | data}**

<b>Syntax Description</b>	<b>all</b>	Backs up all data.
	<b>configuration</b>	Backs up only system and application settings.
	<b>data</b>	Backs up only voice-mail messages and application data.

**Defaults** All data is backed up.

**Command Modes** Cisco Unity Express offline

<b>Command History</b>	<b>Cisco Unity Express Version</b>	<b>Modification</b>
	1.0	This command was introduced on the Cisco Unity Express network module and in Cisco Unified Communications Manager Express 3.0.
	1.1	This command was implemented on the advanced integration module (AIM) and in Cisco Unified Communications Manager 3.3(3).
	1.1.2	This command was implemented on the Cisco 2800 series and Cisco 3800 series routers.

**Usage Guidelines** This command indicates the type of Cisco Unity Express data to be backed up to the FTP server. When the backup procedure begins, all active calls are terminated. In Version 1.0, Cisco Unity Express does not support scheduled restores. Consider doing the backup procedure when the telephones are least active.

**Examples** The following examples illustrate all the backup categories:

```
se-10-0-0-0> enable
se-10-0-0-0# offline
!!!WARNING!!!: Putting the system offline will terminate all active calls.
Do you wish to continue[n]? : y
se-10-0-0-0(offline)# backup category all
se-10-0-0-0(offline)# continue
se-10-0-0-0#
```

```
se-10-0-0-0> enable
se-10-0-0-0# offline
!!!WARNING!!!: Putting the system offline will terminate all active calls.
```

```

Do you wish to continue[n]? : y
se-10-0-0-0(offline)# backup category configuration
se-10-0-0-0(offline)# continue
se-10-0-0-0#

se-10-0-0-0> enable
se-10-0-0-0# offline
!!!WARNING!!!: Putting the system offline will terminate all active calls.
Do you wish to continue[n]? : y
se-10-0-0-0(offline)# backup category data
se-10-0-0-0(offline)# continue
se-10-0-0-0#

```

#### Related Commands

Command	Description
<a href="#">continue</a>	Activates the backup or restore process.
<a href="#">offline</a>	Initiates Cisco Unity Express offline mode.
<a href="#">show backup history</a>	Displays details about backed-up files.
<a href="#">show backup server</a>	Displays details about the backup server.

# backup notification

To configure the system to notify users about the scheduled backup status, use the **backup notification** command in Cisco Unity Express backup-schedule configuration mode. To disable the backup notification, use the **no** form of this command.

```

backup notification on {success | failure | always} {voicemail user_id | email email_address |
epage epage_address}
no backup notification on {success | failure | always} {voicemail user_id | email email_address
| epage epage_address}

```

Syntax Description	<b>success</b>	Specifies to send a backup notification only if the backup is a success.
	<b>failure</b>	Specifies to send a backup notification only if the backup fails.
	<b>always</b>	Specifies to always send a backup notification regardless of whether the backup succeeds or fails.
	<b>voicemail</b> <i>user_id</i>	Specifies to send the backup notification to a voicemail user-id.
	<b>email</b> <i>email_address</i>	Specifies to send the backup notification to an email address.
	<b>epage</b> <i>epage_address</i>	Specifies to send the backup notification to an epage address,

**Defaults** No default.

**Command Modes** Cisco Unity Express backup-schedule configuration

Command History	Cisco Unity Express Release	Modification
	8.0	This command was introduced.

**Usage Guidelines** This command can be entered multiple times to add more notification targets, with a maximum of three targets for each kind (voicemail, email or epage).

**Examples** The following example configures multiple targets to be notified of the scheduled backup status.

```

se-10-0-0-0# backup schedule 22
se-10-0-0-0(backup schedule)# backup notification always email sysadmin@diggg.com
se-10-0-0-0(backup schedule)# backup notification on failure email e@cisco
se-10-0-0-0(backup schedule)# backup notification always pager email2@com
se-10-0-0-0(backup schedule)# backup notification always voicemail admin

```

Related Commands	Command	Description
	<a href="#">show backup history</a>	Displays details about backed-up files.
	<a href="#">show backup schedule detail job</a>	Shows all configured recurring scheduled backup jobs.

# backup schedule

To configure a one-time or recurring scheduled backup, use the **backup schedule** command in Cisco Unity Express configuration mode. Use the **no** form of this command to remove the configuration of the backup job.

**backup schedule** [*name*]

**no backup schedule** *name*

## Syntax Description

<i>name</i>	(Optional) Specifies the name used to create, modify, or delete a scheduled backup job. It can be up to three characters long and include the characters A through Z, 0 through 9, underscore, and hyphen (-).
-------------	--

## Command Default

None.

## Command Modes

Cisco Unity Express EXEC mode

## Command History

Cisco Unity Express Version	Modification
7.1	This command was introduced.

## Usage Guidelines

This command enters backup-schedule mode and enables you to configure one-time or recurring backup jobs.

If you do not provide a name when you enter the command, one is automatically selected and displayed. If the maximum number of schedules reached and the system is unable to create the scheduled backup job using the specified parameters, an error message is display.

To create a one time backup job, enter the time of day and the date as input.

For recurring backup jobs, you can configure the jobs to repeat:

- Every N days at a specific time
- Every N weeks on specific day and time
- Every N months on a specific day of the month and time
- Every N years on a specific month

You can also configure the following parameters for backup jobs:

- start date for recurring backup jobs
- end date for recurring backup jobs



## Examples

The following example configures a scheduled backup to occur every 7 days at 11:00pm:

```
se-10-0-0-0# backup schedule
Your new JOB ID is 22
se-10-0-0-0(backup-schedule)# repeat every 7 days at 23:00
```

## Related Commands

Command	Description
<a href="#">repeat every (backup-schedule)</a>	Specifies how often a recurring scheduled backup occurs.
<a href="#">show backup schedule detail job</a>	Shows all configured recurring scheduled backup jobs.

# backup schedule disable all

To disable all scheduled backups, use the **backup schedule disable all** command in Cisco Unity Express backup-schedule configuration mode. Use the **no** form of this command to reenable all scheduled backups.

**backup schedule disable all from** *date to date*

**no backup schedule disable all**

<b>Syntax Description</b>	<b>from</b> <i>date</i>	Specifies the date from which all scheduled backups are disabled. The format is MM/DD/YYYY.
	<b>until</b> <i>date</i>	Specifies the date until which all scheduled backups are disabled. The format is MM/DD/YYYY.
<b>Command Default</b>	None.	
<b>Command Modes</b>	Cisco Unity Express EXEC mode	
<b>Command History</b>	<b>Cisco Unity Express Version</b>	<b>Modification</b>
	8.0	This command was introduced.
<b>Usage Guidelines</b>	The format for the date is month, day, and then year (for example: 05/302010).	
<b>Examples</b>	The following example disables all scheduled backups from July 6, 2010 to July 8, 2010:	
	se-10-0-0-0# <b>backup schedule disable all from 07/06/2010 to 07/08/2010</b>	
<b>Related Commands</b>	<b>Command</b>	<b>Description</b>
	<a href="#">repeat every (backup-schedule)</a>	Specifies how often a recurring scheduled backup occurs.
	<a href="#">show backup schedule detail job</a>	Shows all configured recurring scheduled backup jobs.

# backup security enforced

To specify that only protected and untampered backup files can be restored, use the **backup security enforced** command in Cisco Unity Express configuration mode.

## backup security enforced

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

**Command Default** All of the following types of backup files are restored:

- Unprotected (clear)
- Protected
- Untampered

**Command Modes** Cisco Unity Express configuration

Command History	Cisco Unity Express Version	Modification
	3.0	This command was introduced.

**Usage Guidelines** Before you can use this command, you must generate a backup security key by using the **backup security key generate** command.

Use the **backup security enforced** command in Cisco Unity Express configuration mode to specify that only protected and untampered backup files can be restored. By default, the system also restores unprotected (clear) backup files as well, as protected backup files and untampered backup files.

**Examples** The following example specifies that only protected and untampered backup files can be restored:

```
se-10-0-0-0# config t
se-10-0-0-0(config)# backup security enforced
```

Related Commands	Command	Description
	<a href="#">backup security enforced</a>	Creates or deletes the master key used for encrypting and signing the backup files.
	<a href="#">backup security key</a>	Enables secure mode for backups.

# backup security key

To create or delete the master key used for encrypting and signing the backup files, use the **backup security key** command in Cisco Unity Express configuration mode.

**backup security key {generate | delete}**

## Syntax Description

<b>generate</b>	Creates a master key.
<b>delete</b>	Deletes a master key.

## Command Default

No key is configured.

## Command Modes

Cisco Unity Express configuration

## Command History

Cisco Unity Express Version	Modification
3.0	This command was introduced.

## Usage Guidelines

Use the **backup security key** command in Cisco Unity Express configuration mode to create or delete the master key used for encrypting and signing the backup files. When creating a backup security key, you are prompted to enter the password from which the key will be derived.

This command will not be saved in the startup configuration when you use the **write** command.

## Examples

The following example creates a master key:

```
se-10-0-0-0# config t
se-10-0-0-0(config)# backup security key generate
Please enter the password from which the key will be derived: *****
```

The following example deletes a master key:

```
se-10-0-0-0# config t
se-10-0-0-0(config)# backup security key delete
You have a key with magic string cfbdbbee
Do you want to delete it [y/n]?:
```

## Related Commands

Command	Description
<a href="#">backup security enforced</a>	Specifies that only protected and untampered backup files can be restored.
<a href="#">backup security key</a>	Enables secure mode for backups.

# backup security protected

To enable secure mode for backups, use the **backup security protected** command in Cisco Unity Express configuration mode.

## backup security protected

### Syntax Description

This command has no arguments or keywords.

### Command Default

Backup files are stored in unprotected mode on the remote server.

### Command Modes

Cisco Unity Express configuration

### Command History

Cisco Unity Express Version	Modification
3.0	This command was introduced.

### Usage Guidelines

Before using this command, you must generate backup security key by using the **backup security key generate** command.

Use the **backup security protected** command in Cisco Unity Express configuration mode to enable secure mode for backups. In secure mode, all backup files are protected using encryption and a signature.

### Examples

The following example enables secure mode for backups:

```
se-10-0-0-0# config t
se-10-0-0-0(config)# backup security protected
```

### Related Commands

Command	Description
<a href="#">backup security enforced</a>	Specifies that only protected and untampered backup files can be restored.
<a href="#">backup security enforced</a>	Creates or deletes the master key used for encrypting and signing the backup files.

# backup server authenticate

To retrieve the fingerprint of the backup server's host key, use the **backup server authenticate** command in Cisco Unity Express configuration mode.

## backup server authenticate

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

**Command Default** This command has no default value.

**Command Modes** Cisco Unity Express configuration

Command History	Cisco Unity Express Version	Modification
	3.0	This command was introduced.

**Usage Guidelines** Use the **backup server authenticate** command in Cisco Unity Express configuration mode to retrieve the fingerprint of the backup server's host key. Before using this command, users must configure the backup server URL and the login credential. The backup server URL must start with "sftp://." After the fingerprint is retrieved from the backup server, the system prompts the user for confirmation.

If this command is accepted, the fingerprint is stored in the form of "backup server authenticate fingerprint *fingerprint-string*" in the running configuration. This command will not be saved in the startup configuration when you use the **write** command.

**Examples** The following example retrieves the fingerprint of the backup server's host key:

```
se-10-0-0-0# config t
se-10-0-0-0(config)# backup server authenticate
The fingerprint of host 10.30.30.100 (key type ssh-rsa) is:
    a5:3a:12:6d:e9:48:a3:34:be:8f:ee:50:30:e5:e6:c3
Do you want to accept it [y/n]?
```

Related Commands	Command	Description
	<a href="#">security ssh</a>	Configures the MD5 (Message-Digest algorithm 5) fingerprint of the SSH (Secure Shell) server's host key.
	<a href="#">show security ssh known-hosts</a>	Displays a list of configured SSH (Secure Shell) servers and their fingerprints.

# banner login

To configure the login banner, use the **banner login** command in Cisco Unity Express EXEC mode. Use the **no** or **default** form of the command to remove the login banner.

**banner login** {*delimiter-char banner-content delimiter-char* | **append**}

**no banner login**

**default banner login**

## Syntax Description

<i>delimiter-char</i>	Character that indicates the beginning and end of the banner text.
<i>banner-content</i>	Text content of the banner.
<b>append</b>	Appends additional text to the banner.

## Command Default

No login banner is configured.

## Command Modes

Cisco Unity Express EXEC

## Command History

Cisco Unity Express Version	Modification
3.2	This command was introduced.

## Usage Guidelines

This command configures a system wide login banner that is displayed to all users when they log in. This command requires a delimiter character that signals the end of banner content input. The delimiter character can be any printable character except ? and “. The delimiter character must not occur in the banner content or the banner input will be ended prematurely. The banner contains plain text (no special formatting) and can have up to 1944 characters (including new lines). You can enter multiline input as the banner content.

The banner command is a multi-line command. The banner-content can be one or more lines. You can include the following tokens in the banner-content to represent system settings.

token	Information displayed in the banner
\$(hostname)	Displays the hostname for the module.
\$(domain)	Displays the domain for the module.

If you enter a banner that exceeds the allowed length, the command stops accepting input, truncates the message at the maximum length, outputs an error message, and returns to global configuration.

## Examples

The following example configures the banner login to “Welcome to *hostname*.”

```
se-10-0-0-0# config t
se-10-0-0-0 (config)# banner login %
Enter TEXT message. End with the character '%'.
    Welcome to $(hostname)%
se-10-0-0-0 (config)# exit
```

The following example configures the banner login to “Welcome to *hostname.somewhere.com*, enjoy:”

```
se-10-0-0-0# config t
se-10-0-0-0 (config)# ip domain-name somewhere.com
se-10-0-0-0 (config)# banner login @
Enter TEXT message. End with the character '@'.
Welcome to $(hostname).$(domain), enjoy!
@
se-10-0-0-0 (config)# exit
```

The following example configures the banner login to:

```
-----
You have entered a restricted area.
Unauthorized access is prohibited.
-----

se-10-0-0-0# config t
se-10-0-0-0 (config)# banner login 1
Enter TEXT message. End with the character '1'.
-----
You have entered a restricted area.
Unauthorized access is prohibited.
-----
1
se-10-0-0-0 (config)# exit
```

## Related Commands

Command	Description
<a href="#">login pinless</a>	Whether the console connection is subject to authentication or not.