R

retries (aaa-authentication)

retries (aaa-accounting)

redirect-css cti-port

To specify the calling search space used to redirect calls from CTI ports to elsewhere, use the **redirect-css cti-port** command in in Cisco Unity Express JTAPI configuration mode. To remove the redirection and return to the default value, use the **no** or **default** form of this command.

redirect-css cti-port {ccm-default | calling-party | redirecting-party}

no redirect-css cti-port

default redirect-css cti-port

Syntax Description		
ccm-default	Use the default calling search space of the Cisco Unity Express to redirect. This is the redirection method available before this command was introduced.	
calling-party	Use the original calling party's calling search space to redirect.	
redirecting-party	Use the redirecting party's calling search space to redirect.	

Command Default redirecting-party

Command Modes Cisco Unity Express JTAPI configuration

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

Usage Guidelines To maintain backwards compatibility, the default for this command is to redirect using the redirecting party's search space.

Examples The following example specifies that the redirecting party's calling search space is used to redirect calls from CTI ports to elsewhere:

```
se-10-0-0-0# config t
se-10-0-0-0(config)# ccn subsystem jtapi
se-10-0-0-0(config-jtapi)# redirect-css cti-port redirecting-party
se-10-0-0-0(config-jtapi)# end
se-10-0-0-0(config)#
```

Related Commands	Command	Description
	ccn subsystem jtapi	Enters JTAPI configuration mode.
	show ccn subsystem jtapi	Displays statistics for the JTAPI subsystems.

redirect-css route-point

To specify the calling search space used to redirect calls from route points to CTI ports , use the **redirect-css route-point** command in in Cisco Unity Express JTAPI configuration mode. To remove the redirection and return to the default value, use the **no** or **default** form of this command.

redirect-css route-point {ccm-default | calling-party | redirecting-party}

no redirect-css route-point

default redirect-css route-point

Syntax Description

ccm-default	Use the default calling search space of the Cisco Unity Express to redirect. This is the redirection method available before this command was introduced.
calling-party	Use the original calling party's calling search space to redirect.
redirecting-party	Use the redirecting party's calling search space to redirect.

Command Default   **ccm-default**

Command Modes   Cisco Unity Express JTAPI configuration

Command History

Cisco Unity Express Version	Modification
2.3	This command was introduced.

Usage Guidelines   To maintain backwards compatibility, the default for this command is to use the redirection method available before this command was introduced, which is to redirect without Cisco Unity Express specifying a calling search space.

Examples   The following example specifies that the calling party's calling search space is used to redirect calls from CTI ports to elsewhere:

```
se-10-0-0-0# config t
se-10-0-0-0(config)# ccn subsystem jtapi
se-10-0-0-0(config-jtapi)# redirect-css cti-port calling-party
se-10-0-0-0(config-jtapi)# end
se-10-0-0-0(config)#
```

Related Commands

Command	Description
ccn subsystem jtapi	Enters JTAPI configuration mode.
show ccn subsystem jtapi	Displays statistics for the JTAPI subsystems.

reload

To restart the Cisco Unity Express system, use the **reload** command in Cisco Unity Express EXEC mode or offline mode.

reload

Syntax Description   This command has no arguments or keywords.

Command Modes   Cisco Unity Express EXEC

Cisco Unity Express offline

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.

Usage Guidelines   Use this command in the following situations:

- After a **shutdown** command to restart the Cisco Unity Express system.

- After a **restore** command to activate the uploaded file information.

Examples   The following example illustrates the use of the **reload** command after a restore procedure:

```
se-10-0-0-0# offline
se-10-0-0-0(offline)# restore id data3 category data
se-10-0-0-0(offline)# reload
```

Related Commands

Command	Description
backup	Backs up system and application data to a backup server.
continue	Exits offline mode and returns to Cisco Unity Express EXEC mode.
offline	Switches the Cisco Unity Express system to offline mode.
restore	Restores backup files from the backup server.

remote cache enable

To enable the least recent used (LRU) cache on the local system, use the **remote cache enable** command in Cisco Unity Express configuration mode. To disable the LRU cache, use the **no** form of this command.

remote cache enable

no remote cache enable

Syntax Description   This command has no arguments or keywords.

Command Default   Enabled

Command Modes   Cisco Unity Express configuration

Command History

Cisco Unity Express Version	Modification
2.1	This command was introduced.

Usage Guidelines   An LRU cache is a database of remote subscribers' first names, last names, and spoken names. These remote subscribers are not configured in the Remote User Directory. The subscribers contained in the cache are referred to as cached subscribers.

Network messages update the contents of the LRU cache. When a local sender addresses a voice-mail message to a remote subscriber, the system accesses this information to send a spoken name confirmation about the remote subscriber to the local sender. Each time a network message arrives from a cached subscriber or each time a local sender sends a voice message to a cached subscriber, the system updates the time stamp of the cached subscriber's entry in the LRU cache.

The maximum capacity of the LRU cache is 50 subscribers on the network module (NM) and 20 subscribers on the advanced integration module (AIM). When the LRU cache reaches its maximum capacity, a new entry erases the existing entry with the oldest time stamp. This means that the next time a local sender calls a remote subscriber, the sender will not receive a spoken name confirmation if the remote subscriber is no longer in the LRU cache.

Do one or both of the following to avoid the inconsistent confirmation response:

- To ensure that a sender always receives a spoken name confirmation for a remote subscriber, configure the remote subscriber in to the Remote User Directory.

- Disable the LRU cache.

The LRU cache contents are saved after system reloads.

The GUI **Defaults > Voice Mail** option also permits changing the status of the LRU cache.

Examples   The following example illustrates enabling the LRU cache on the local system:

```
se-10-0-0-0# config t
se-10-0-0-0(config)# remote cache enable
se-10-0-0-0(config)# exit
```

The following example illustrates disabling the LRU cache on the local system:

```
se-10-0-0-0# config t
se-10-0-0-0(config)# no remote cache enable
se-10-0-0-0(config)# exit
```

Related Commands

Command	Description
show remote cache	Displays the local system's LRU cache.

remote copy spokenname

To upload or download a spoken name for a remote subscriber, use the **remote copy spokenname** command in Cisco Unity Express EXEC mode.

Uploading the Spoken Name

> **remote copy spokenname username** *username* **url** *url* **loginname** *server-login* **password** *server-password*

Downloading the Spoken Name

> **remote copy spokenname url** *url* **username** *username* **loginname** *server-login* **password** *server-password*

Syntax Description

username *username*	Remote subscriber ID.
url *url*	URL to the spoken name file on the server.
loginname *server-login*	Server login.
password *server-password*	Server password.

Command Modes   Cisco Unity Express EXEC

Command History

Cisco Unity Express Version	Modification
2.1	This command was introduced.

Usage Guidelines   Use the Administration via Telephone (AvT) options to record the spoken names. Those name files are stored in the Lightweight Directory Access Protocol (LDAP) on the Cisco Unity Express module. If you download the files to a server other than the Cisco Unity Express module, you can upload those files to another Cisco Unity Express module in the network.

Examples   The following example uploads the spoken name file user5.wav for remote subscriber user5:

```
se-10-0-0-0# remote copy spokenname username user5 url ftp:/10.4.51.66/tsmith.wav
loginname admin password test
```

The following example downloads the spoken name file user5.wav for remote subscriber user5:

```
se-10-0-0-0# remote copy spokenname url ftp:/10.4.51.66/tsmith.wav username user5
loginname admin password test
```

remote username fullname

To associate a full name with a remote subscriber, use the **remote username fullname** command in Cisco Unity Express EXEC mode. To delete the remote username, use the **no** form of this command.

> **remote username** *username* **fullname** {**display** *display-name* | **first** *first-name* | **last** *last-name*}

> no **remote username** *username* **fullname** {**display** *display-name* | **first** *first-name* | **last** *last-name*}

Syntax Description

username	Name of the remote subscriber.
display *display-name*	Full name of the remote subscriber. Enclose the name in double quotes (" ") if the name is more than one word. The system uses this name for telephone displays.
first *first-name*	First name of the remote subscriber. Enclose the name in double quotes (" ") if the name is more than one word.
last *last-name*	Last name of the remote subscriber. Enclose the name in double quotes (" ") if the name is more than one word.

Command Modes Cisco Unity Express EXEC

Command History

Cisco Unity Express Version	Modification
2.1	This command was introduced.

Usage Guidelines An error message appears if the username does not exist.

Examples The following example configures several remote subscribers.

```
se-10-0-0-0# config t
se-10-0-0-0(config)# remote username user2 location sjc create
se-10-0-0-0(config)# remote username user2 phonenumber 84444
se-10-0-0-0(config)# remote username user5 location sjc create
se-10-0-0-0(config)# remote username user5 phonenumber 81111
se-10-0-0-0(config)# remote username user3 location nyc create
se-10-0-0-0(config)# remote username user3 phonenumber 92222
se-10-0-0-0(config)# remote username user4 location nyc create
se-10-0-0-0(config)# remote username user4 phonenumber 93333
se-10-0-0-0(config)# end
se-10-0-0-0# remote username user5 fullname display "User 5"
se-10-0-0-0# remote username user5 fullname first User
se-10-0-0-0# remote username user5 fullname last 5
se-10-0-0-0# remote username user3 fullname display "User 3"
se-10-0-0-0# remote username user3 fullname first User
se-10-0-0-0# remote username user3 fullname last 3
se-10-0-0-0# remote username user4 fullname display "User 4"
se-10-0-0-0# remote username user4 fullname first User
se-10-0-0-0# remote username user4 fullname last 4
```

```
se-10-0-0-0# remote username user1 fullname display "User 1"
se-10-0-0-0# remote username user1 fullname first User
se-10-0-0-0# remote username user1 fullname last 1
```

The following example deletes the display name for remote subscriber User5:

```
se-10-0-0-0# no remote username user5 fullname display "User 5"
```

The following example deletes the first name for remote subscriber User5:

```
se-10-0-0-0# no remote username user5 fullname first User
```

The following example deletes the last name for remote subscriber User5:

```
se-10-0-0-0# no remote username user5 fullname last 5
```

Related Commands

Command	Description
remote username location	Configures a remote subscriber on the local Cisco Unity Express system.
remote username phonenumber	Configures a remote subscriber's telephone number on the local Cisco Unity Express system.
show remote user detail	Displays configuration details about a specified remote subscriber.
show remote users	Displays remote subscribers configured on the local Cisco Unity Express system.

remote username location

To configure a remote subscriber on the local Cisco Unity Express system, use the **remote username location** command in Cisco Unity Express EXEC mode or configuration mode. To delete a remote user from the system, use the **no** form of this command.

remote username *username* **location** *location-id* **create**

no **remote username** *username*

Syntax Description		
	username	Name of the remote subscriber.
	location-id	Location ID of the remote site.
	create	Creates the remote subscriber.

Command Default   No remote subscribers are configured.

Command Modes   Cisco Unity Express EXEC
Cisco Unity Express configuration

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

Usage Guidelines   This command creates a remote subscriber on the local system so that a local voice-mail sender can address a remote recipient using dial-by-name. Additionally, the system provides the sender with a spoken name confirmation of the remote recipient so that the sender can verify that the name and location are correct.

Use the **remote username location** command once to associate the remote subscriber with a network location.

In Version 2.1, regardless of the license level, the network module (NM) supports a maximum of 50 remote subscribers and the advanced integration module (AIM) supports a maximum of 20 remote subscribers.

An error message appears if one of the following conditions occurs:

- A subscriber, group, or remote subscriber exists with this username.
- The maximum number of remote subscribers is already configured on the system.
- The location ID does not exist.
- The location ID is the local location.

Examples   The following example configures several remote subscribers.

```
se-10-0-0-0# config t
```

```
se-10-0-0-0(config)# remote username user2 location sjc create
se-10-0-0-0(config)# remote username user2 phonenumber 84444
se-10-0-0-0(config)# remote username user5 location sjc create
se-10-0-0-0(config)# remote username user5 phonenumber 81111
se-10-0-0-0(config)# remote username user3 location nyc create
se-10-0-0-0(config)# remote username user3 phonenumber 92222
se-10-0-0-0(config)# remote username user4 location nyc create
se-10-0-0-0(config)# remote username user4 phonenumber 93333
se-10-0-0-0(config)# end
se-10-0-0-0# remote username user5 fullname display "User 5"
se-10-0-0-0# remote username user5 fullname first User
se-10-0-0-0# remote username user5 fullname last 5
se-10-0-0-0# remote username user3 fullname display "User 3"
se-10-0-0-0# remote username user3 fullname first User
se-10-0-0-0# remote username user3 fullname last 3
se-10-0-0-0# remote username user4 fullname display "User 4"
se-10-0-0-0# remote username user4 fullname first User
se-10-0-0-0# remote username user4 fullname last 4
se-10-0-0-0# remote username user2 fullname display "User 2"
se-10-0-0-0# remote username user2 fullname first User
se-10-0-0-0# remote username user2 fullname last 2
se-10-0-0-0#
```

The following example deletes the remote subscriber User2:

```
se-10-0-0-0# config t
se-10-0-0-0(config)# no remote username user2
se-10-0-0-0(config)# end
```

Related Commands	Command	Description
	remote username fullname	Configures a remote subscriber's full name on the local Cisco Unity Express system.
	remote username phonenumber	Configures a remote subscriber's telephone number on the local Cisco Unity Express system.
	show remote user detail	Displays configuration details about a specified remote subscriber.
	show remote users	Displays remote subscribers configured on the local Cisco Unity Express system.

remote username phonenumber

To associate a telephone number with a remote subscriber, use the **remote username phonenumber** command in Cisco Unity Express configuration mode. To delete the telephone number, use the **no** form of this command.

remote username *username* **phonenumber** *extension-number*

no **remote username** *username* **phonenumber** *extension-number*

Syntax Description		
username	Name of the remote subscriber.	
extension-number	Extension number of the remote site.	

Command Default No phone numbers are configured for the remote subscribers.

Command Modes Cisco Unity Express configuration

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

Usage Guidelines The local system does not verify the remote extension number.

An error message appears if one of the following conditions occurs:

- The username does not exist.
- The length of the extension number does not fall within the maximum and minimum extension lengths for the subscriber's location.

Examples The following example configures several remote subscribers.

```
se-10-0-0-0# config t
se-10-0-0-0(config)# remote username user2 location sjc create
se-10-0-0-0(config)# remote username user2 phonenumber 84444
se-10-0-0-0(config)# remote username user5 location sjc create
se-10-0-0-0(config)# remote username user5 phonenumber 81111
se-10-0-0-0(config)# remote username user3 location nyc create
se-10-0-0-0(config)# remote username user3 phonenumber 92222
se-10-0-0-0(config)# remote username user4 location nyc create
se-10-0-0-0(config)# remote username user4 phonenumber 93333
se-10-0-0-0(config)# end
se-10-0-0-0# remote username user2 fullname display "User 2"
se-10-0-0-0# remote username user2 fullname first User
se-10-0-0-0# remote username user2 fullname last 2
se-10-0-0-0# remote username user5 fullname display "User 5"
se-10-0-0-0# remote username user5 fullname first User
se-10-0-0-0# remote username user5 fullname last 5
se-10-0-0-0# remote username user3 fullname display "User 3"
```

```
se-10-0-0-0# remote username user3 fullname first User
se-10-0-0-0# remote username user3 fullname last 3
se-10-0-0-0# remote username user4 fullname display "User 4"
se-10-0-0-0# remote username user4 fullname first User
se-10-0-0-0# remote username user4 fullname last 4
se-10-0-0-0#
```

The following example deletes extension 84444 from remote subscriber User 4:

```
se-10-0-0-0# config t
se-10-0-0-0(config)# no remote username user4 phonenumber 84444
se-10-0-0-0(config)# end
```

Related Commands	Command	Description
	remote username fullname	Configures a remote subscriber's full name on the local Cisco Unity Express system.
	remote username location	Configures a remote subscriber on the local Cisco Unity Express system.
	show remote user detail	Displays configuration details about a specified remote subscriber.
	show remote users	Displays remote subscribers configured on the local Cisco Unity Express system.

repeat daily (backup-schedule)

To configure a recurring scheduled backup to occur once every day, use the **repeat daily** command in Cisco Unity Express scheduled backup configuration mode. Use the **no** or **default** form of this command to remove the configuration of the backup job.

repeat daily at *time*

no repeat daily at *time*

Syntax Description	*time*	Specifies the time of day that the recurring scheduled backup job begins. Use 24-hour format.

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 When you enter a new **repeat daily** command, the previous scheduled daily backup is overwritten.

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 once every day at 11:00pm:

```
se-10-0-0-0# schedule job 22
se-10-0-0-0(backup-schedule)# repeat daily at 23:00
```

Related Commands

Command	Description
backup schedule	Enters backup-schedule submode.
show backup schedule detail job	Shows details for the specified recurring scheduled backup job.

repeat daily (kron-schedule)

To configure a recurring kron job to occur once every day, use the **repeat daily** command in Cisco Unity Express kron-schedule configuration mode. There is no **no** form of this command.

repeat daily at *time*

Syntax Description

time	Specifies the time of day that the recurring kron job begins. Use 24-hour format.

Command Default   None.

Command Modes   Cisco Unity Express kron-schedule configuration

Command History

Cisco Unity Express Version	Modification
8.0	This command was introduced.

Usage Guidelines

When you enter a new **repeat daily** command, the previous scheduled kron job is overwritten.

You can also configure the following parameters for kron jobs:

- start date for recurring kron jobs
- end date for recurring kron jobs

Examples

The following example configures a scheduled kron job to occur once every day at 11:00pm:

```
se-10-0-0-0# kron job krj1
se-10-0-0-0(kron-schedule)# repeat daily at 23:00
```

Related Commands

Command	Description
kron schedule	Enters kron-schedule configuration mode.
show kron schedule detail job	Shows details for the specified recurring scheduled kron job.

repeat every (backup-schedule)

To specify how often a recurring scheduled backup occurs, use the **repeat every** command in Cisco Unity Express scheduled backup configuration mode. Use the **no** or **default** form of this command to remove the configuration of the backup job.

repeat every {*number* **days** |*number* **weeks on** *day* | *number* **months on day** *date* | *number* **years on month** *month*} **at** *time*

no repeat every {*number* **days** |*number* **weeks on** *day* | *number* **months on day** *date* | *number* **years on month** *month*} **at** *time*

Syntax Description

number **days**	Specifies the number of days between recurring scheduled backup jobs that the backup job is done.
number **weeks on** *day*	Specifies the number of weeks between recurring scheduled backup jobs and the day of the week that the backup is done.
number **months on day** *date*	Specifies the number of months between recurring scheduled backup jobs and the day of the month that the backup is done.
number **years on month** *month*	Specifies the number of years between recurring scheduled backup jobs and the month that the backup is done.
at *time*	Specifies the time of day that the recurring scheduled backup job begins. Use 24-hour format.

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 This command enters backup-schedule mode and enables you to configure a recurring backup job that repeats:

- 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

Note To configure a one-time backup job, use the **repeat once** command.

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# schedule job 22
se-10-0-0-0(backup-schedule)# repeat every 7 days at 23:00
```

Related Commands

Command	Description
backup schedule	Enters backup-schedule submode.
show backup schedule detail job	Shows details for the specified recurring scheduled backup job.

repeat every (kron-schedule)

To specify how often a recurring scheduled kron job occurs, use the **repeat every** command in Cisco Unity Express kron-schedule configuration mode. There is no **no** form of this command.

repeat every {*number* **days** | *number* **weeks on** *day* | *number* **months on day** *date* | *number* **years on month** *month*} **at** *time*

Syntax Description

number **days**	Specifies the number of days between recurring scheduled kron jobs that the backup job is done.
number **weeks on** *day*	Specifies the number of weeks between recurring scheduled kron jobs and the day of the week that the backup is done.
number **months on day** *date*	Specifies the number of months between recurring scheduled kron jobs and the day of the month that the backup is done.
number **years on month** *month*	Specifies the number of years between recurring scheduled kron jobs and the month that the backup is done.
at *time*	Specifies the time of day that the recurring scheduled kron job begins. Use 24-hour format.

Command Default   None.

Command Modes   Cisco Unity Express kron-schedule configuration

Command History

Cisco Unity Express Version	Modification
8.0	This command was introduced.

Usage Guidelines   This command enables you to configure a recurring scheduled kron job that repeats:

- 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

Note   To configure a one-time kron job, use the **repeat once** command.

You can also configure the following parameters for kron jobs:

- start date for recurring kron jobs
- end date for recurring kron jobs

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

```
se-10-0-0-0# kron schedule krj1
se-10-0-0-0(kron-schedule)# repeat every 7 days at 23:00
```

Related Commands

Command	Description
kron schedule	Enters kron-schedule configuration mode.
show kron schedule detail job	Shows details for the specified recurring scheduled kron job.

repeat monthly (backup-schedule)

To configure a recurring scheduled backup to occur once every month, use the **repeat monthly** command in Cisco Unity Express scheduled backup configuration mode. Use the **no** or **default** form of this command to remove the configuration of the backup job.

repeat monthly on day *date* **at** *time*

no repeat monthly on day *date* **at** *time*

Syntax Description

date	Specifies the day of the month that the backup is done.
time	Specifies the time of day that the recurring scheduled backup job begins. Use 24-hour format.

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   When you enter a new **repeat monthly** command, the previous scheduled monthly backup is overwritten.

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 once every month on the 23rd day at 11:00 pm:

```
se-10-0-0-0# schedule job 22
se-10-0-0-0(backup-schedule)# repeat monthly on day 23 at 23:00
```

Related Commands

Command	Description
backup categories	Enters backup-schedule submode.
show backup schedule detail job	Shows details for the specified recurring scheduled backup job.

repeat monthly (kron-schedule)

To configure a recurring scheduled kron job to occur once every month, use the **repeat monthly** command in Cisco Unity Express kron-schedule configuration mode. There is no **no** form of this command.

repeat monthly on day *date* **at** *time*

Syntax Description

date	Specifies the day of the month that the kron job is done.
time	Specifies the time of day that the recurring scheduled kron job begins. Use 24-hour format.

Command Default   None.

Command Modes   Cisco Unity Express kron-schedule configuration

Command History

Cisco Unity Express Version	Modification
8.0	This command was introduced.

Usage Guidelines   When you enter a new **repeat monthly** command, the previous scheduled kron job is overwritten.

You can also configure the following parameters for kron jobs:

- start date for recurring kron jobs
- end date for recurring kron jobs

Examples   The following example configures a scheduled backup to occur once every month on the 23rd day at 11:00 pm:

```
se-10-0-0-0# kron schedule krj1
se-10-0-0-0(kron-schedule)# repeat monthly on day 23 at 23:00
```

Related Commands

Command	Description
kron schedule	Enters kron-schedule configuration mode.
show kron schedule detail job	Shows details for the specified recurring scheduled kron job.

repeat once (backup-schedule)

To specify that a scheduled backup is repeated once, use the **repeat once** command in Cisco Unity Express scheduled backup configuration mode. Use the **no** or **default** form of this command to remove the configuration of the backup job.

repeat once on *date* **at** *time*

no repeat once on *date* **at** *time*

default repeat once on *date* **at** *time*

Syntax Description

date	Specifies the date that the recurring scheduled backup job is done.
time	Specifies the time of day that the recurring scheduled backup job begins. Use 24-hour format.

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

This command enters backup-schedule mode and enables you to configure a one-time backup job.

Examples

The following example configures a one-time scheduled backup:

```
se-10-0-0-0# schedule job 22
se-10-0-0-0(backup-schedule)# repeat once on October 10, 2009 at 22:20
```

Related Commands

Command	Description
backup schedule	Enters backup-schedule submode.
show backup schedule detail job	Shows details for the specified recurring scheduled backup job.

repeat once (kron-schedule)

To specify that a scheduled kron job is repeated once, use the **repeat once** command in Cisco Unity Express kron-schedule configuration mode. There is no **no** form of this command.

repeat once on *date* **at** *time*

default repeat once on *date* **at** *time*

Syntax Description

date	Specifies the date that the recurring scheduled kron job is done.
time	Specifies the time of day that the recurring scheduled kron job begins. Use 24-hour format.

Command Default None.

Command Modes Cisco Unity Express kron-schedule configuration

Command History

Cisco Unity Express Version	Modification
8.0	This command was introduced.

Usage Guidelines This command enables you to configure a one-time scheduled kron job.

Examples The following example configures a one-time scheduled kron job:

```
se-10-0-0-0# kron-schedule krj1
se-10-0-0-0(kron-schedule)# repeat once on October 10, 2009 at 22:20
```

Related Commands

Command	Description
kron schedule	Enters kron-schedule configuration mode.
show kron schedule detail job	Shows details for the specified recurring scheduled kron job.

repeat weekly (backup-schedule)

To configure a recurring scheduled backup to occur once every week, use the **repeat weekly** command in Cisco Unity Express scheduled backup configuration mode. Use the **no** or **default** form of this command to remove the configuration of the backup job.

repeat weekly on *day* **at** *time*

no repeat weekly on *day* **at** *time*

Syntax Description

day	Specifies the day of the week that the backup is done.
time	Specifies the time of day that the recurring scheduled backup job begins. Use 24-hour format.

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   When you enter a new **repeat weekly** command, the previous scheduled weekly backup is overwritten.

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 once every week on Tuesday at 11:00 pm:

```
se-10-0-0-0# schedule job 22
se-10-0-0-0(backup-schedule)# repeat weekly on tuesday at 23:00
```

Related Commands

Command	Description
backup schedule	Enters backup-schedule submode.
show backup schedule detail job	Shows details for the specified recurring scheduled backup job.

repeat weekly (kron-schedule)

To configure a recurring scheduled kron job to occur once every week, use the **repeat weekly** command in Cisco Unity Express kron-schedule configuration mode. There is no **no** form of this command.

repeat weekly on *day* **at** *time*

Syntax Description

day	Specifies the day of the week that the backup is done.
time	Specifies the time of day that the recurring scheduled backup job begins. Use 24-hour format.

Command Default   None.

Command Modes   Cisco Unity Express kron-schedule configuration

Command History

Cisco Unity Express Version	Modification
8.0	This command was introduced.

Usage Guidelines   When you enter a new **repeat weekly** command, the previous scheduled weekly kron job is overwritten.

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 once every week on Tuesday at 11:00 pm:

```
se-10-0-0-0# kron schedule krj1
se-10-0-0-0(backup-schedule)# repeat weekly on tuesday at 23:00
```

Related Commands

Command	Description
kron schedule	Enters kron-schedule configuration mode.
show kron schedule detail job	Shows details for the specified recurring scheduled kron job.

repeat yearly (backup-schedule)

To configure a recurring scheduled backup to occur once every year, use the **repeat yearly** command in Cisco Unity Express scheduled backup configuration mode. Use the **no** or **default** form of this command to remove the configuration of the backup job.

repeat yearly on month *month* **on day** *day* **at** *time*

no repeat yearly on month *month* **on day** *day* **at** *time*

Syntax Description

month	Specifies the month that the backup is done.
day	Specifies the day of the month the scheduled backup is done.
time	Specifies the time of day that the recurring scheduled backup job begins. Use 24-hour format.

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 When you enter a new **repeat yearly** command, the previous scheduled yearly backup is overwritten.

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 once a year on February 28 at 11:00 pm

```
se-10-0-0-0# schedule job 22
se-10-0-0-0(backup-schedule)# repeat yearly on month february on day 28 at 23:00
```

Related Commands

Command	Description
backup schedule	Enters backup-schedule submode.
show backup schedule detail job	Shows details for the specified recurring scheduled backup job.

repeat yearly (kron-schedule)

To configure a recurring scheduled kron job to occur once every year, use the **repeat yearly** command in Cisco Unity Express kron-schedule configuration mode. There is no **no** form of this command.

repeat yearly on month *month* **on day** *day* **at** *time*

Syntax Description

month	Specifies the month that the kron job is done.
day	Specifies the day of the month the kron job is done.
time	Specifies the time of day that the recurring scheduled kron job begins. Use 24-hour format.

Command Default   None.

Command Modes   Cisco Unity Express kron-schedule configuration

Command History

Cisco Unity Express Version	Modification
8.0	This command was introduced.

Usage Guidelines   When you enter a new **repeat yearly** command, the previous scheduled yearly kron job is overwritten.

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 kron job to occur once a year on February 28 at 11:00 pm:

```
se-10-0-0-0# kron schedule krj1
se-10-0-0-0(kron-schedule)# repeat yearly on month february on day 28 at 23:00
```

Related Commands

Command	Description
kron schedule	Enters kron-schedule configuration mode.
show kron schedule detail job	Shows details for the specified recurring scheduled kron job.

restore

To restore a backup file, use the **restore** command in Cisco Unity Express offline mode.

restore id *backup-id* **category** {**all** | **configuration** | **data**}

Syntax Description

id *backup-id*	Specifies the ID number of the file to be restored.
category	Precedes the name of the file type to be restored.
all	Specifies that the file to be restored contains system and application settings, application data, and voice messages.
configuration	Specifies that the file to be restored contains only system and application settings.
data	Specifies that the file to be restored contains only application data and voice messages.

Command Modes Cisco Unity Express offline

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.

Usage Guidelines When the restore procedure begins, all active calls are terminated. Cisco Unity Express does not support scheduled restores. Consider restoring a file when the telephones are least active.

After the restore procedure is complete, use the **reload** command to activate the file data.

Use the **show backup history** command to locate the *backup-id* value of the file to be restored.

Examples The following example restores the file with the ID data5, which is a data-only file.

```
se-10-0-0-0> enable
se-10-0-0-0# offline
se-10-0-0-0(offline)# restore id data5 category data
se-10-0-0-0(offline)# reload
```

Related Commands	Command	Description
	continue	Exits offline mode and returns to Cisco Unity Express EXEC mode.
	offline	Enters offline mode.
	reload	Activates the uploaded file data.
	show backup history	Displays the status of backup procedures.
	show backup server	Displays the network FTP server designated as the backup server.

restore factory default

To restore the system to the factory defaults, use the **restore factory default** command in Cisco Unity Express offline mode.

> **restore factory default**

⚠️
Caution   This feature is not reversible. All data and configuration files are erased. Use this feature with caution. It is recommended that you do a full system backup before proceeding with this feature.

Syntax Description   This command has no arguments or keywords.

Command Modes   Cisco Unity Express offline

Command History

Cisco Unity Express Version	Modification
2.1	This command was introduced.

Usage Guidelines   Restoring the system to the factory defaults has the following effects:

- Replaces the current database with an empty database.
- Initializes the Lightweight Directory Access Protocol (LDAP) to an empty state.
- Replaces the startup configuration with the template startup configuration that ships with the system.
- Erases all postinstallation configuration data.
- Deletes all subscriber and custom prompts.

When the system is clean, the administrator sees a message that the system will reload, and the system begins to reload. When the reload is complete, the system prompts the administrator to go through the postinstallation process.

When logging in to the graphical user interface (GUI), the administrator has the option to run the initialization wizard.

Examples   The following example illustrates restoring the system to factory defaults.

Step 1   se-10-0-0-0# **offline**

This command puts the system into offline mode.

Step 2   (offline)# **restore factory default**

```
This operation will cause all the configuration and data on the system to be erased. This
operation is not reversible. Do you wish to continue? (n)
```

Step 3   Do one of the following:

- Enter **n** if want to retain the system configuration and data.

  The operation is cancelled, but the system remains in offline mode. To return to online mode, enter **continue**.

- Enter **y** if you want to erase the system configuration and data.

  When the system is clean, a message appears indicating that the system will start to reload. When the reload is complete, a prompt appears to start the postinstallation process.

Related Commands	Command	Description
	continue	Returns to the Cisco Unity Express online mode.
	offline	Enters the Cisco Unity Express offline mode.

restriction create

To create a restriction table, use the **restriction create** command in Cisco Unity Express configuration mode.

>   **restriction** *table-name* **create**

Syntax Description	*table-name*	Restriction table that you want to create.

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 **restriction create** command in Cisco Unity Express configuration mode to define a new restriction table

Examples   The following example creates a restriction table called fax-restriction.

```
se-10-0-0-0# config t
se-10-0-0-0(config)# restriction fax-restriction create
```

Related Commands

Command	Description
restriction delete	Deletes a restriction table.
restriction dial-string	Specifies the restricted number dial pattern.
restriction max-digits	Specifies the maximum number of digits in a restricted number.
restriction min-digits	Specifies the minimum number of digits in a restricted number.
show restriction-table	Displays information about the specified restriction tables.

restriction delete

To delete a restriction table, use the **restriction delete** command in Cisco Unity Express configuration mode.

restriction *table-name* **delete**

Syntax Description

table-name	Restriction table that you want to delete.

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 **restriction delete** command in Cisco Unity Express configuration mode to delete a restriction table.

Examples   The following example deletes a restriction table called fax-restriction.

```
se-10-0-0-0# config t
se-10-0-0-0(config)# restriction fax-restriction delete
```

Related Commands

Command	Description
restriction create	Creates a restriction table.
show restriction-table	Displays information about the specified restriction tables.

restriction dial-string

To specify a dial string for a restriction table, use the **restriction dial-string** command in
Cisco Unity Express configuration mode. To delete the dial string from the table, use the **no** form of this
command.

> **restriction** *table-name* **dial-string preference** *preference-number* **pattern** *pattern-string*
> {**allowed** | **disallowed**} [**insert**]

> **no restriction** *table-name* **dial-string preference** *preference-number*

<table>
<tr><td>Syntax Description</td><td>table-name</td><td>Restriction table for which a dial string is being specified.</td></tr>
<tr><td></td><td>preference preference-number</td><td>Order of this string in the restriction table. The system searches the strings in order of preference, starting with 1. Valid values are 1 to 10.</td></tr>
<tr><td></td><td>pattern pattern-string</td><td>Call pattern to be matched. Valid characters are digits 0 to 9, asterisk (*), or dot (.). The table accepts duplicate call patterns.</td></tr>
<tr><td></td><td>allowed</td><td>Permits phone number s with this patter n to be assigned to message notification devices.</td></tr>
<tr><td></td><td>disallowed</td><td>Prevents phone numbers with this pattern to be assigned to message notification devices.</td></tr>
<tr><td></td><td>insert</td><td>Inserts the dial string in the proper place in the table.</td></tr>
</table>

Command Default
The default preference number is 1.
The default pattern is *.
The default pattern is allowed.

Command Modes
Cisco Unity Express configuration

Command History

Cisco Unity Express Version	Modification
2.3	This command was introduced.
3.0	This command was modified to allow you to specify which restriction table to configure.

Usage Guidelines
The asterisk (*) in the pattern allows matches of zero or more digits. The dot (.) acts as a placeholder for
exactly one digit. Include external and long-distance access codes in the dial pattern.

The default pattern * has preference 1 by default. The administrator can modify this setting.

When a subscriber tries to set up or change a phone number assigned to a device, the system verifies that
the number has the allowed number of digits. If the number does not have the allowed number of digits,
the subscriber receives an error message.

If the number of digits is acceptable, the system checks the number against the dial patterns in the restriction table, starting with the first pattern (preference 1). If the number does not match the first pattern, the system checks the next pattern in the table (preference 2), and so forth until a match is found. If a match is found, the system either permits or restricts the call as specified in the dial string. If no match is found, the subscriber receives an error message. The default pattern * cannot be deleted or modified.

The default pattern * is **allowed** by default. The administrator can modify this setting.

The system displays an error message if the preference number is less than 1 or greater than 10.

If **insert** is not used, the system replaces any existing dial string with the given preference with this new dial string. The system displays an error message if no existing dial string has the given preference.

Examples   The following example creates a dial-string allowing calls to area code 222.

```
se-10-0-0-0# config t
se-10-0-0-0(config)# restriction fax-restrict dial-string preference 2 pattern
91222....... allowed insert
```

Related Commands

Command	Description
restriction max-digits	Specifies the maximum number of digits in a restricted number.
restriction min-digits	Specifies the minimum number of digits in a restricted number.

restriction max-digits

To specify the maximum number of digits for a specified restriction table, use the **restriction max-digits** command in the Cisco Unity Express configuration mode. To use the default value, use the **no** form of this command.

> **restriction** *table-name* **max-digits** *maximum-digits*

> **no restriction** *table-name* **max-digits** *maximum-digits*

Syntax Description

table-name	Restriction table for which the maximum number of digits is being specified.
maximum-digits	Specifies the maximum number of digits for a notification phone number. Valid values are 1 to 30. The default is 1.

Command Default   The maximum number of digits is 1.

Command Modes   Cisco Unity Express configuration

Command History

Cisco Unity Express Version	Modification
2.3	This command was introduced.
3.0	This command was modified to allow you to specify which restriction table to configure.

Usage Guidelines   This value applies only to phone devices and numeric pagers.

Maximum number of digits applies to phone numbers that a subscriber assigns to devices that will receive message notifications. When a subscriber tries to set up or change a phone number assigned to a device, the system verifies that the number has the allowed number of digits. If the number does not have the allowed number of digits, the subscriber receives an error message.

Examples   The following example sets the maximum number of digits in a phone number for message notification to 12 in a restriction table called fax-restriction.

```
se-10-0-0-0# config t
se-10-0-0-0(config)# restriction fax-restriction msg-notification max-digits 12
```

Related Commands

Command	Description
restriction min-digits	Specifies the maximum number of digits in a restricted number.
show restriction-table	Displays information about the specified restriction tables.

restriction min-digits

To specify the minimum number of digits for a specified restriction table, use the **restriction min-digits** command in the Cisco Unity Express configuration mode.To use the default value, use the **no** form of this command.

restriction *table-name* **min-digits** *minimum-digits*

no restriction *table-name* **min-digits** *minimum-digits*

Syntax Description

table-name	Restriction table for which the minimum number of digits is being specified.
minimum-digits	Specifies the minimum number of digits for a notification phone number. Valid values are 1 to 30. The default is 1.

Command Default   The minimum number of digits is 1.

Command Modes   Cisco Unity Express configuration

Command History

Cisco Unity Express Version	Modification
2.3	This command was introduced.
3.0	This command was modified to allow you to specify which restriction table to configure.

Usage Guidelines   This value applies only to phone devices and numeric pagers.

The minimum number of digits applies to phone numbers that a subscriber assigns to devices that will receive message notifications. When a subscriber tries to set up or change a phone number assigned to a device, the system verifies that the number has the allowed number of digits. If the number does not have the allowed number of digits, the subscriber receives an error message.

Examples   The following example sets the minimum number of digits in a phone number for message notification to 6 in a restriction table called fax-restriction.

```
se-10-0-0-0# config t
se-10-0-0-0(config)# restriction fax-restriction msg-notification min-digits 6
```

Related Commands

Command	Description
restriction max-digits	Specifies the maximum number of digits in a restricted number.
show restriction-table	Displays information about the specified restriction tables.

retries (aaa-authentication)

To specify the maximum number of times an AAA authentication request is retried before the authentication fails, use the **retries** command in Cisco Unity Express AAA authentication configuration mode. Use the **no** or **default** form of this command to restore the default setting.

> **retries** *number*

> **no retries** *number*

> **default retries** *number*

Syntax Description

number	The maximum number of times an AAA authentication request is retried before the authentication fails. The default is 3 retries. The range is 0-9.

Command Default   3 retries

Command Modes   Cisco Unity Express AAA authentication configuration (aaa-authentication)

Command History

Cisco Unity Express Version	Modification
7.0	This command was introduced.

Usage Guidelines   When the configured number of retries is exhausted, AAA attempts to contact the next server configured until the list of servers is exhausted or a server responds, whichever comes first.

The number of retries does not include the initial attempt.

Use the **default** form of this command to set the number of retries to 3.

Examples   The following example sets the number of AAA authentication retries to 10:

```
se-10-0-0-0# config t
se-10-0-0-0(config)# aaa authentication server remote
se-10-0-0-0(aaa-authentication)# retries 10
```

Related Commands

Command	Description
aaa authentication server remote	Enters aaa-authentication submode and configures the AAA authentication server.

retries (aaa-accounting)

To specify the maximum number of times an AAA accounting request is retried before the accounting request fails, use the **retries** command in Cisco Unity Express AAA accounting configuration mode. Use the **no** or **default** form of this command to restore the default setting.

retries *number*

no retries *number*

default retries *number*

Syntax Description

number	The maximum number of times an AAA accounting request is retried before the accounting request fails. The default is 3 retries. The range is 0-9.

Command Default

3 retries

Command Modes

Cisco Unity Express AAA accounting configuration (aaa-accounting)

Command History

Cisco Unity Express Version	Modification
7.0	This command was introduced.

Usage Guidelines

When the configured number of retries is exhausted, AAA attempts to contact the next server configured until the list of servers is exhausted or a server responds, whichever comes first.

The number of retries does not include the initial attempt.

Use the **default** form of this command to set the number of retries to 3.

Examples

The following example sets the number of AAA accounting retries to 10:

```
se-10-0-0-0# config t
se-10-0-0-0(config)# aaa accounting server remote
se-10-0-0-0(aaa-accounting)# retries 10
```

Related Commands

Command	Description
aaa accounting server remote	Enters aaa-accounting submode and configures the AAA accounting server.
show aaa accounting service	Shows the login information configured for the AAA accounting server.