



Scheduling CLI Commands

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Beginning in Cisco UMG Release 8.0, you can schedule the execution of a block of CLI commands. Blocks of commands are entered interactively, using a symbol delimiter character to start and stop the execution. The execution of the block of commands begins in EXEC mode, but mode-changing commands are allowed in the command block.

The following limitations apply in Cisco UMG Release 8.6:

- The maximum size of the block of commands is 1024 characters ,including new lines.
- Commands in the block cannot use the comma “,” character or the delimiter character. For example, if the delimiter character is configured to be “#”, then that character cannot be used in the command blocks.
- Only system administrators can schedule the execution of blocks of commands.
- CLI commands are executed under system super-user privileges.
- Notification for the execution of these command blocks is not available. Error messages and results are available in log files only.



Caution

Use caution when scheduling CLI commands. Interactive commands will cause the execution to hang. Some commands might cause system instability.

SUMMARY STEPS

1. **kron schedule** [*name*]
2. **description**
3. **repeat every** {*number days at time* | *number weeks on day* | *number months on day date* | *number years on month month*} **at** *time*



Note

Instead of the **repeat every** command, you can optionally use one of the following commands:

- **repeat once at** *time*
- **repeat daily at** *time*
- **repeat monthly on day** *date at time*
- **repeat weekly on day at** *time*

- **repeat yearly on month** *month* **at time**

4. **start-date** *date*
5. **stop-date** *date*
6. **commands** *delimiter*
7. **exit**
8. **show kron schedules**
9. **show kron schedule detail job**

DETAILED STEPS

	Command or Action	Purpose
Step 1	kron schedule [<i>name</i>] Example: umg-1# kron schedule kron1011	Enters kron schedule configuration mode.
Step 2	description <i>description</i> Example: umg-1(kron-schedule)# description backup	(Optional) Enters a description for the scheduled kron job.
Step 3	repeat every { <i>number days</i> <i>number weeks on day</i> <i>number months on day date</i> <i>number years on month month</i> } at time <i>time</i> Example: umg-1(kron-schedule)# repeat every 2 days at time 10:00	Specifies how often a recurring scheduled kron job occurs. To configure a one-time kron job, use the repeat once command. You can also optionally use one of the other repeat commands listed in the previous note.
Step 4	start-date <i>date</i> Example: umg-1(kron-schedule)# start-date 05/30/2009	Specifies the start date for the recurring scheduled kron job to occur.
Step 5	stop-date <i>date</i> Example: umg-1(kron-schedule)# stop-date 10/20/2009	Specifies the stop date for the recurring scheduled kron job to occur.

	Command or Action	Purpose
Step 6	commands <i>delimiter</i> Example: umg-1(kron-schedule)# commands % Enter CLI commands to be executed. End with the character '%'. Maximum size is 1024 characters, it may not contain symbol %. %show version show running-config config t hostname aaa % umg-1(kron-schedule)#	Enters an interactive mode where commands in the command block can be entered for the scheduled kron job. Use the delimiter character to delimit the command block. Note Any symbol can be a delimiter. The “%” symbol is shown for example purposes only.
Step 7	exit	Exits kron schedule configuration mode.
Step 8	show kron schedules	Displays a list of scheduled kron jobs.
Step 9	show kron schedule detail job <i>name</i> Example: umg-1# show kron schedule detail job kron1011	Displays information about a specific scheduled kron job.

Examples

The following is sample output from the **show kron schedules** command:

```
umg-1# show kron schedules
Name          Schedule          Commands
krj1          Every 1 days at 12:34  show ver,sh run,conf t,host...
Total: 1
```

The following is sample output from the **show kron schedule detail job** command:

```
umg-1# show kron schedule detail job krj1
Job Name      krj1
Description
Schedule      NOT SET
Last Run      NEVER
Last Result
Next Run      NEVER
Active        from Feb 15, 2010 until INDEFINITE
Disabled
CLI Commands
              show ver
              sh run
              conf t
              hostname aaa
umg-1#
```

