Mastering Linux Command-line

Scheduling Jobs

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Scheduling Jobs

- at

- batch

- cron

at:	One-time execution at a later time.

batch:	One-time execution at a later time, when the system is under less load.

cron:	one-time or recurring

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cron & crontab

- cron → daemon that handles cron jobs

  ```
  root    1386   1 0 09:04 ?    00:00:01 /usr/sbin/crond -n
  ```

- crontab → file that contains the instructions to execute a task periodically

Minute	Hour	Day of the month	Month	Day of the week	Command to execute

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Crontab layout

0-59		1-31		0 = Sunday 1 = Monday . . 7 = Sunday		Command To Run
				0-7		

Minute	Hour	Day of the month	Month	Day of the week	Command to execute

0-23   1-12

	Purpose	Example	Meaning
*	Any Value	Minute: *	Every minute
,	Value separator	Minute: 5,10	5th and 10th Minute
-	Range	Month: 1-6	First 6 months (Jan thru June)
/	Step values	Minute: */5 Hour: */4	Every 5th minute Every 4th hour

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Crontab layout

Minute	Hour	Day of the month	Month	Day of the week	Command to execute
0	5	*	*	*	./backup.sh
*/5	*/3	15	3,6,9,12	*	./backup.sh

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