# **Shell Programming**

A Necessity for all Programmers

### Scheduling Jobs

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### You will learn to ...



• Execute jobs (Specific time + Regular intervals)



- Execute at a specific time
- Only once
- at <Time>
- Job ID and Scheduled time
- Check jobs: atq
- Delete job: atrm<Job ID>

Time	Example		
Monday,, Sunday	at Monday		
Day Month	at 5 February		
Day Month Year	at 5 February 2021		
HH:MM:SS	at 13:05		
noon	at noon		
teatime (4pm)	at teatime		
midnight	at midnight		
tomorrow	at tomorrow		
next week	at next week		
next Monday,, Sunday	at next Sunday		
now + X (minutes, hour, days, weeks, months, years)	at now $+$ 5 hours		

#### crontab



- Schedule job at specific interval
- Cron File: Schedule and List of commands.
- Format: Minutes(0-59) Hour(0-23) Day(1-31) Month(1-12) DayWeek(0-6) Command
- crontab, Options: View(-I), Edit(-e), Delete(-r)

Schedule	Format				
Every year on 2 Jan 10:45AM	45	10	02	01	*
Everyday at 2am and 9pm	00	02, 21	*	*	*
Every day and Every hour from 10 to 5	00	10-17	*	*	*
On Mon and Thurs, every hour from 10 to 5	00	10-17	*	*	1, 4
Every minute	*	*	*	*	*

### Now, you can ...



- Execute jobs at specific time
- Execute jobs at regular intervals

# Thank you

