Backup and Restore

Logical vs Physical Backups

- Logical
- Physical

Hot vs Cold Backups

- Hot Backup
- Cold Backup

Backup Tools

- MariaDB-Dump, MariaBackup, LVM Snapshot and ...

MariaBackup

- Mariabackup is a fork of Percona XtraBackup
- It is included with MariaDB 10.1.23 and later

Benefits

- Hot Backup
- Minimizes locks during the backup
- Support for all storage engines
- it is optimized for this MariaDB
- Automation

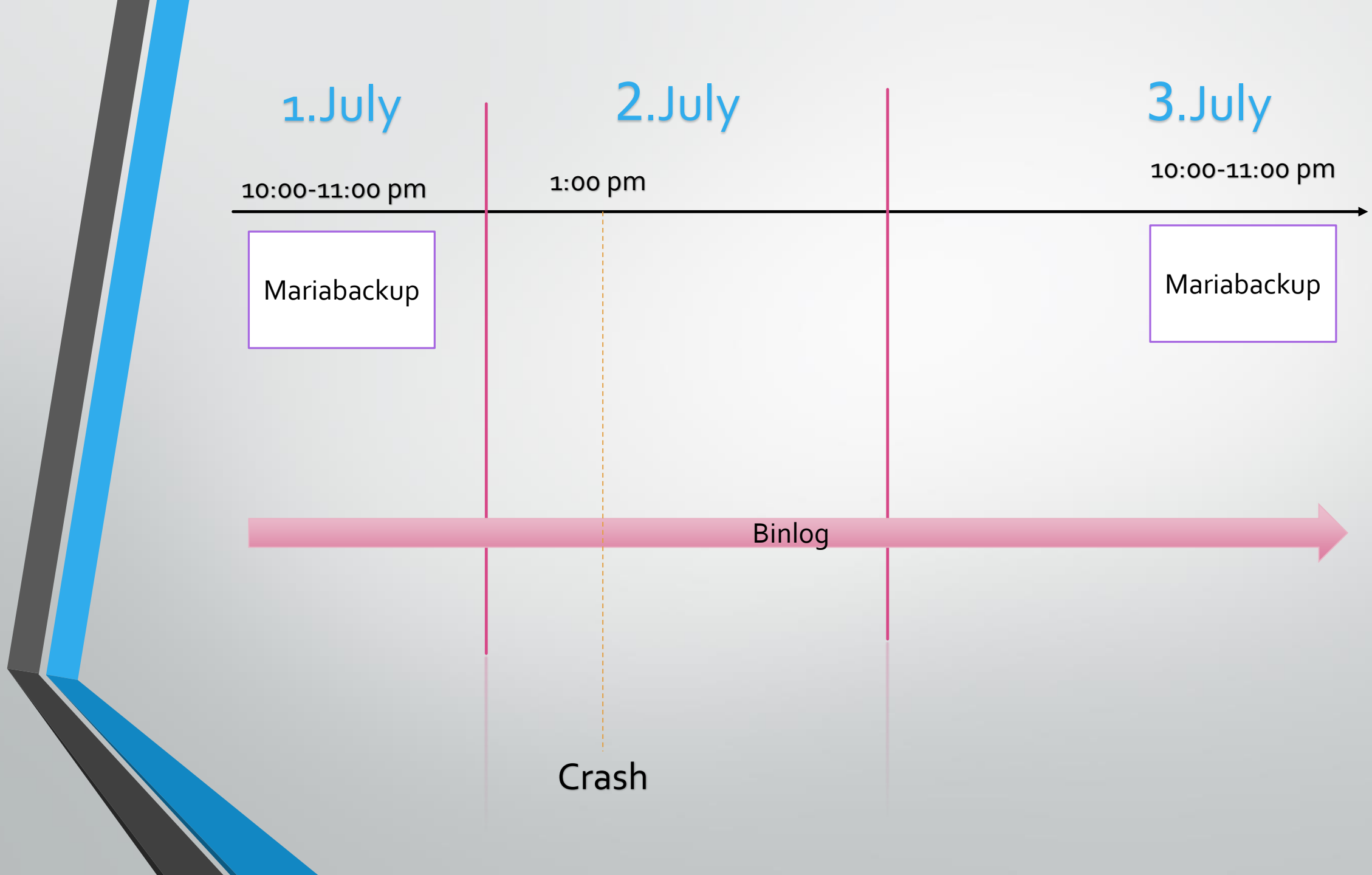
Point-in-time recovery

- Restore a set of data or a particular setting from a time in the past

1.July
2.July
3.July
10:00-11:00 pm
10:00-11:00 pm
Mariabackup
Mariabackup

Incremental Backup

- Copies data that has been changed or created since the previous Full backup


1.July
2.July
3.July
10:00-11:00 pm
1:00 pm
10:00-11:00 pm
Mariabackup
Mariabackup
Binlog
Crash

Backup/Restore Concept

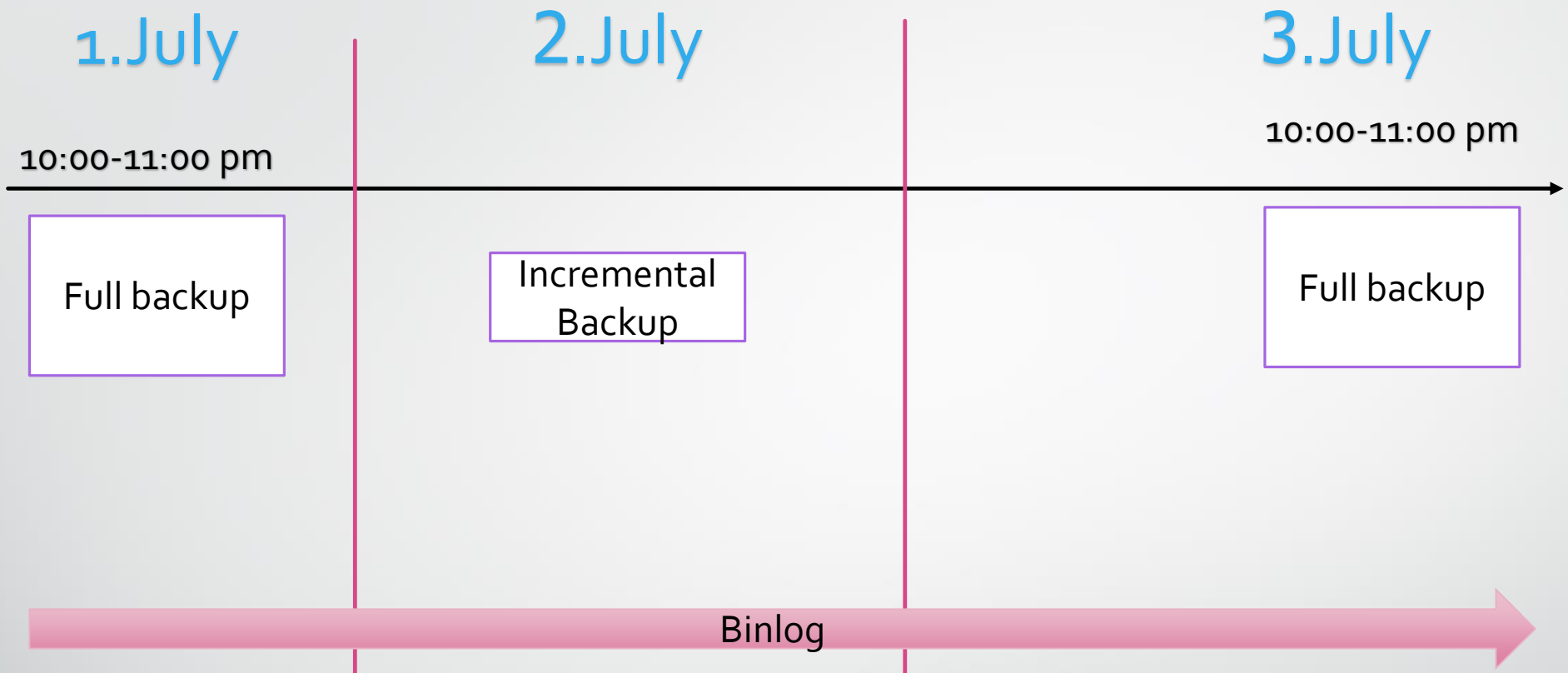
- 1- Fullbackup: 3 Times a week
- 2- Binlog Backup: Everyday

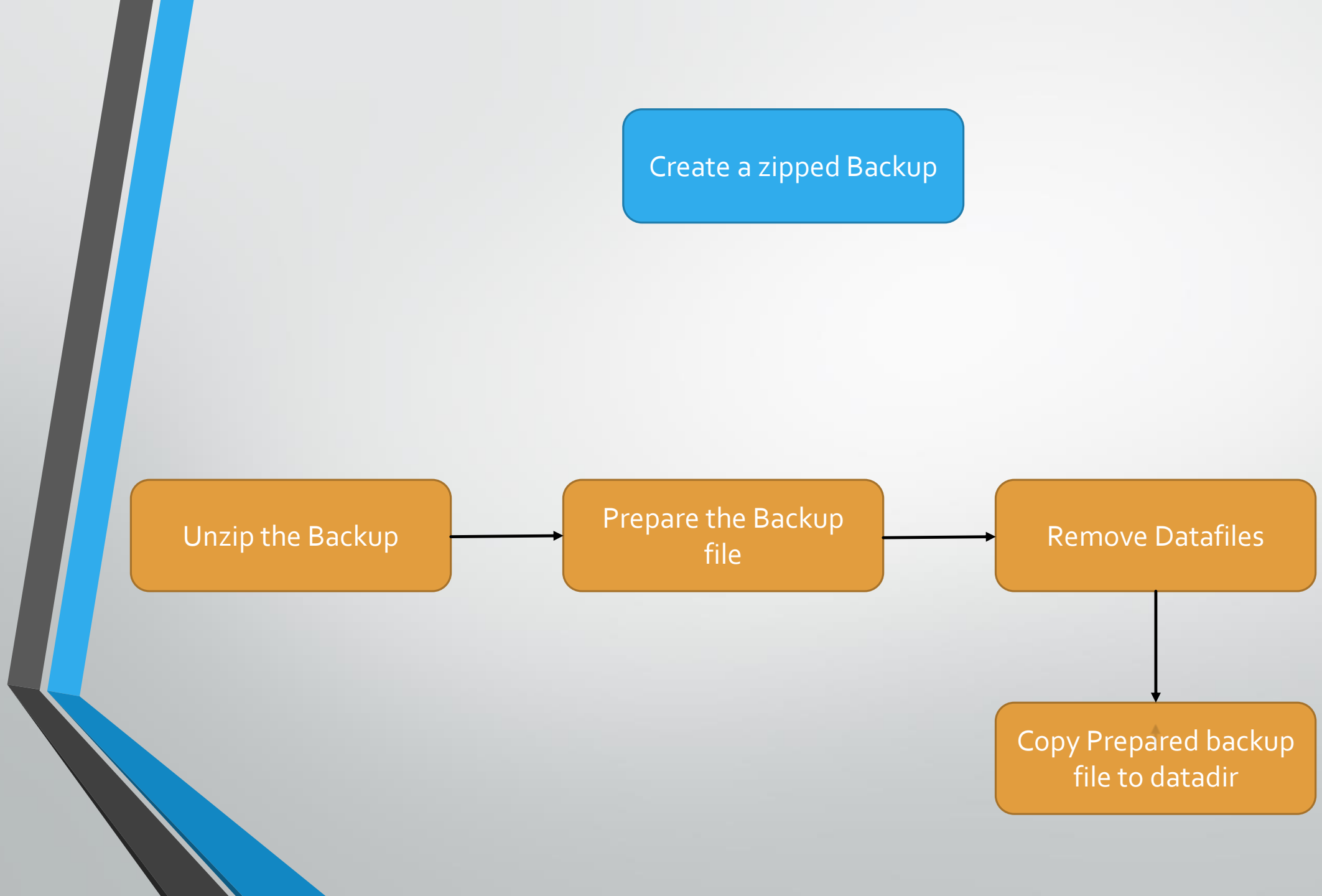
Full/Partial Restore

- Full Restore (Remove everything, Restore Everything)
- Partial Restore (Remove a Part, Restore a Part)

Partial Backup

- 2 Options:
  - On the same Server
  - On a different Server


1.July
2.July
3.July
10:00-11:00 pm
10:00-11:00 pm
Full backup
Incremental Backup
Full backup
Binlog


Create a zipped Backup
Unzip the Backup
Prepare the Backup file
Remove Datafiles
Copy Prepared backup file to datadir