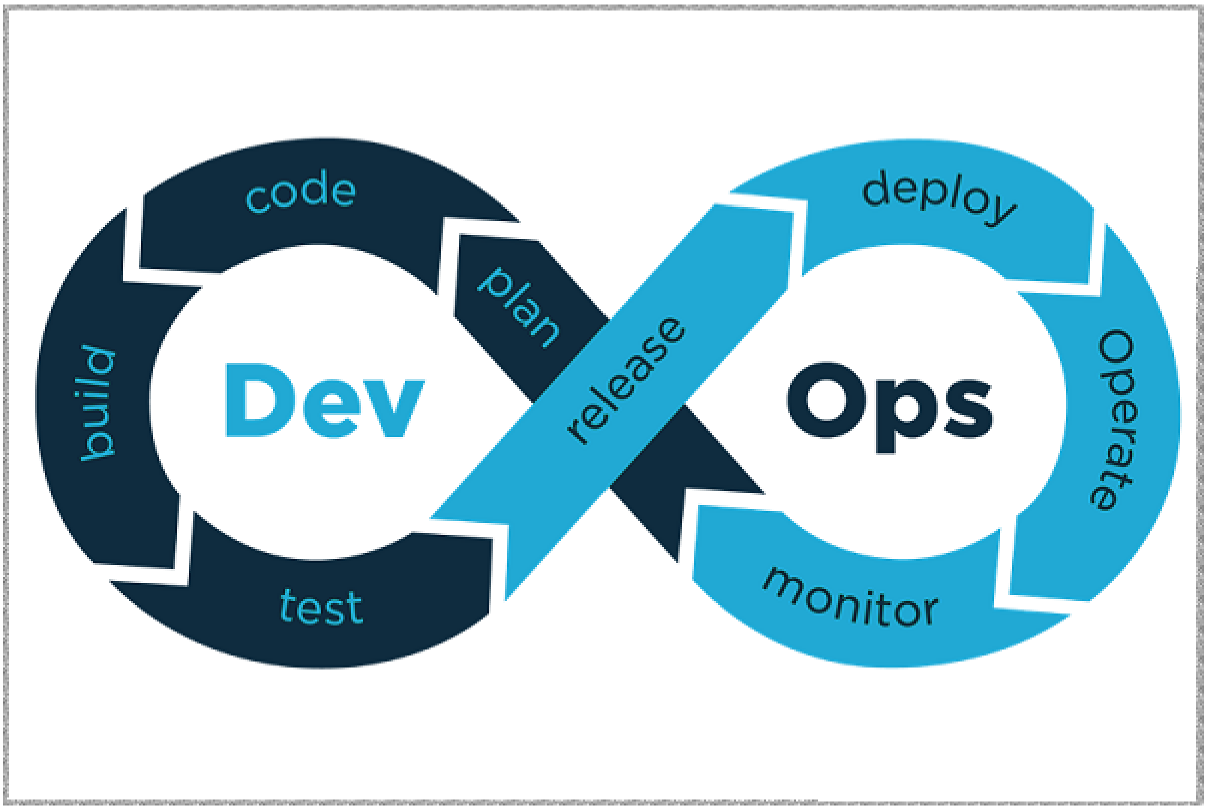
[illegible]

[illegible] DevOps [illegible]



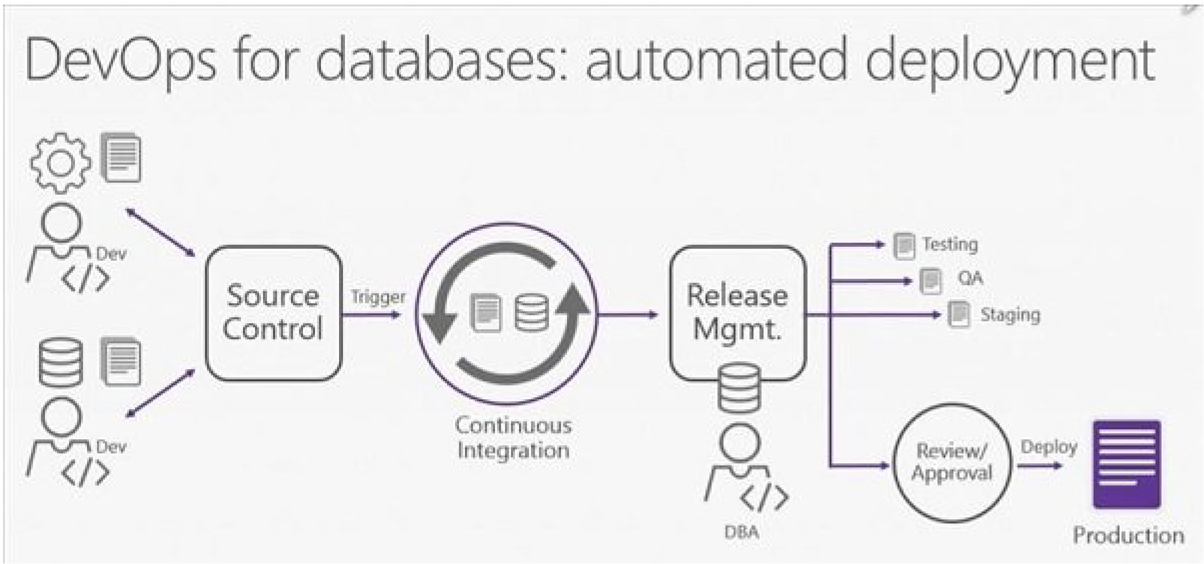
[illegible] (DevOps) [illegible].

[illegible].

[illegible] DevOps

[illegible] SQL [illegible] (DBA) [illegible] ([illegible]) [illegible]

[illegible] (1[illegible])


DevOps for databases: automated deployment
Dev
Dev
Source Control
Trigger
Continuous Integration
Release Mgmt.
DBA
Testing
QA
Staging
Review/ Approval
Deploy
Production

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible] SQL Server [illegible] Oracle [illegible] MySQL [illegible]. [illegible] (SQL) [illegible].

[illegible] ORM ([illegible] Object-Relational Mapping) [illegible].

[illegible]

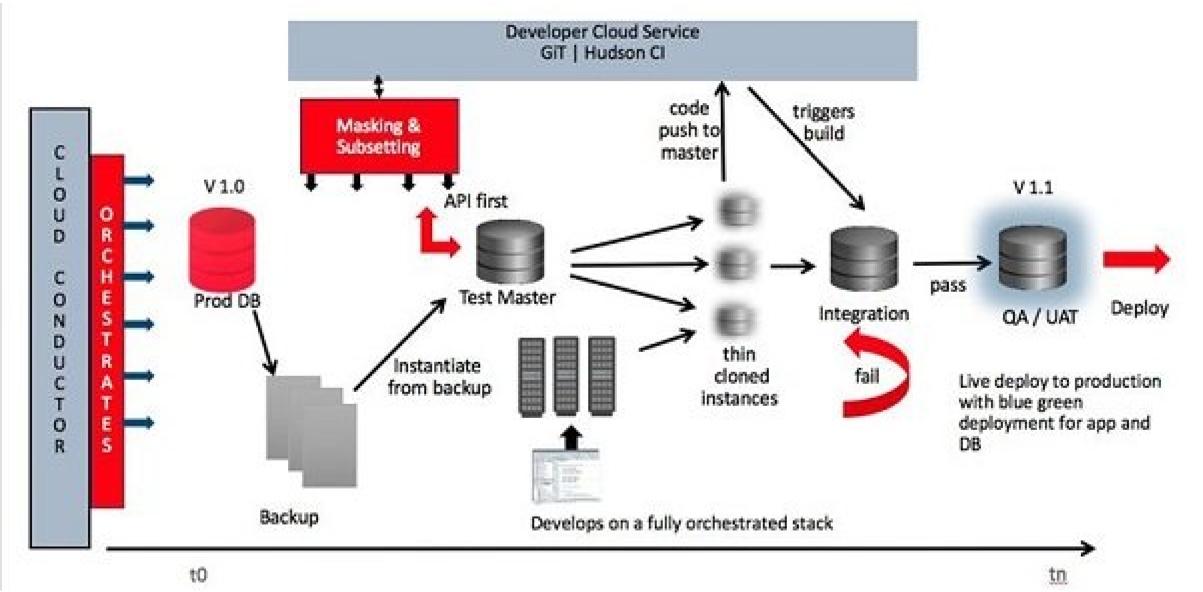
[illegible]

[illegible]

[illegible]

[illegible]

[illegible]



[illegible]

[illegible]

[illegible]!

[illegible]

[illegible] (**DevOps**) [illegible]

(**DevOps**) [illegible].

[illegible] Migration

Migration[illegible] Migration [illegible].

[illegible]

[illegible].

[illegible]

[illegible]

[illegible]:

- Liquibase ([illegible])
- Datical ([illegible] Liquibase)
- Redgate (Microsoft Stack)
- Delphix ([illegible])
- DBmaestro ([illegible] (**DevOps**) [illegible])

[illegible] migration [illegible]:

- Entity Framework
- GORM
- Compose
- Hibernate

[illegible]

[illegible] (**DevOps**) [illegible].

[illegible]:

[illegible]

[illegible]:

[illegible]

[illegible]:

11:20 - 21/08/1397

[illegible]:

[illegible] - [illegible] - [illegible] - Devops - [illegible] - [illegible]

[illegible]

[illegible]**:**https://www.shabakeh-mag.com/workshop/13981/%DA%86%DA%AF%D9%88%D9%86%D9%87-devops-%D8%B1%D8%A7-%D8%A8%D8%B1%D8%A7%DB%8C-%D9%BE%D8%A7%DB%8C%DA%AF%D8%A7%D9%87%E2%80%8C%D9%87%D8%A7%DB%8C-%D8%AF%D8%A7%D8%AF%D9%87-%D9%BE%DB%8C%D8%A7%D8%AF%D9%87%E2%80%8C%D8%B3%D8%A7%D8%B2%DB%8C-%DA%A9%D9%86%DB%8C%D9%85%D8%9F