Devops

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- Devops is not a new tool / technology in the market
- It's a culture or process to develop, release and maintenance of software application/ project/ product with higher quality in very faster way.
- We can achieve this by using automation tool.

For any software or product, two groups of engineers will work together.

1. Development group
2. Non development group (Operations group) / Administrators group

Again this groups can be divided into small set of groups.

Process:

Development group:

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Business analyst	BA
System analyst	SA
Design architect	DA
Developers / Coders	
Build Engineer	
Test Engineers	QA

The people who're involving in :
- Planning
- Coding
- Building
- Testing

Are considered as Development Group.

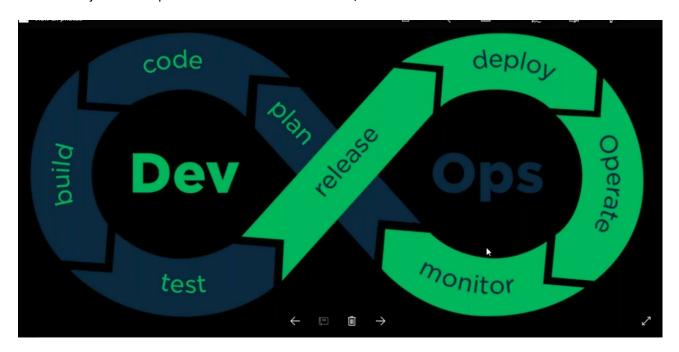
Operations Group:

The people who're involving in :
- Release
- Deploy
- Operate
- Monitor

Are considered as Operations Group.

- Configuration engineer
- Release engineer
- System Admin
- Database admin
- Network admin

Devops is a combination of Development and Operations.

The main object of devops is to establish a collaboration b/w these two teams

To Understand Devops culture, we need to have awareness about already existing SDLC model.

SDLC -> Software Development Life Cycle

1. Waterfall Model
2. Prototype Model
3. Incremental / Iterative Model
4. Spiral Model
5. RAD Model
6. Big Bang Model
7. Fish Model
8. V Model
9. Agile Model
10. Devops Culture

The oldest Model is **Waterfall Model**
The recent Model before Devops is **Agile Model**