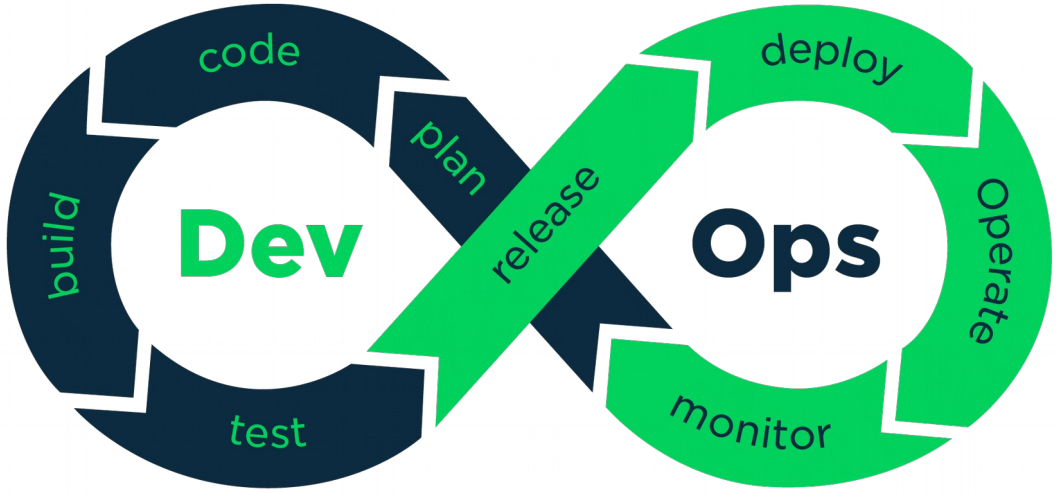
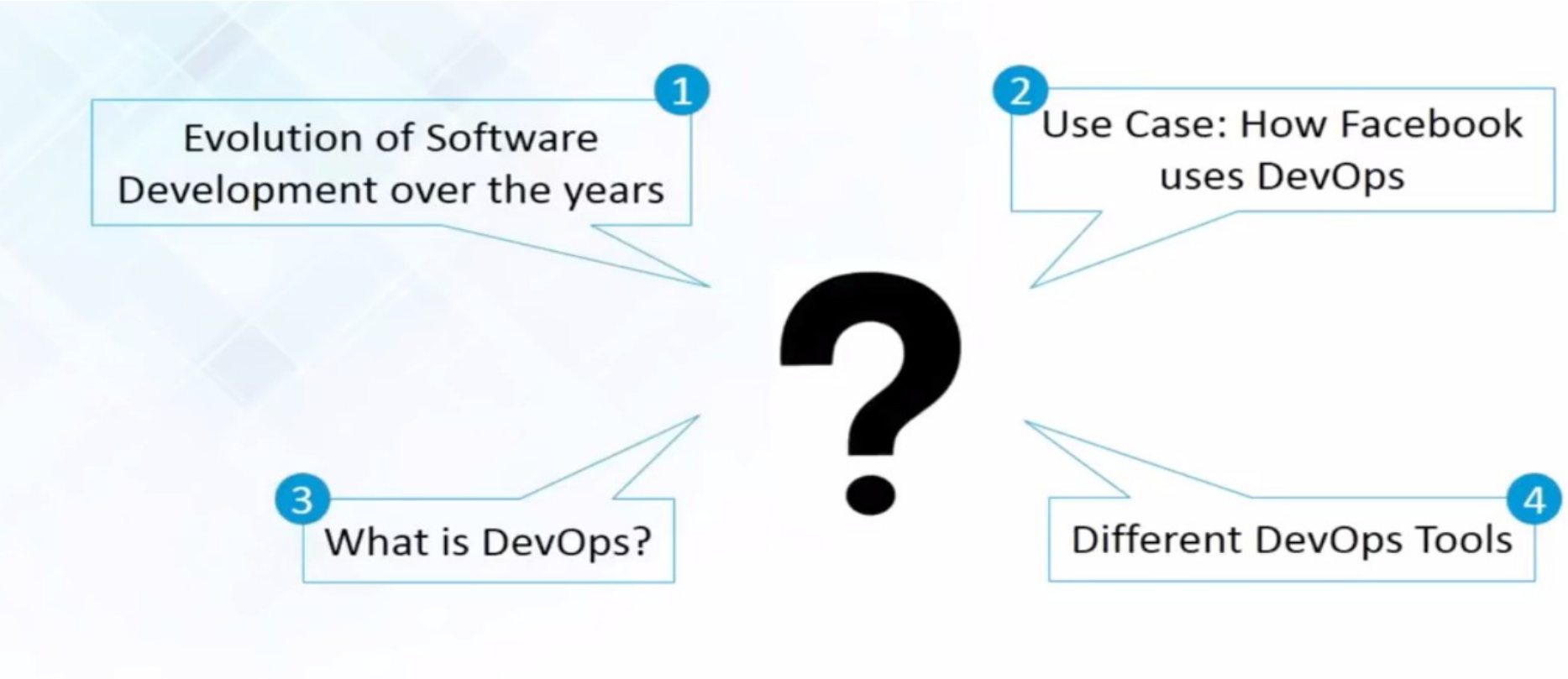


What is DevOps



Do you know the following :

Traditional Waterfall Model

Best suited when:

- Complete Requirements are clear and fixed
- Product definition is stable

Agile Development

Best suited when:

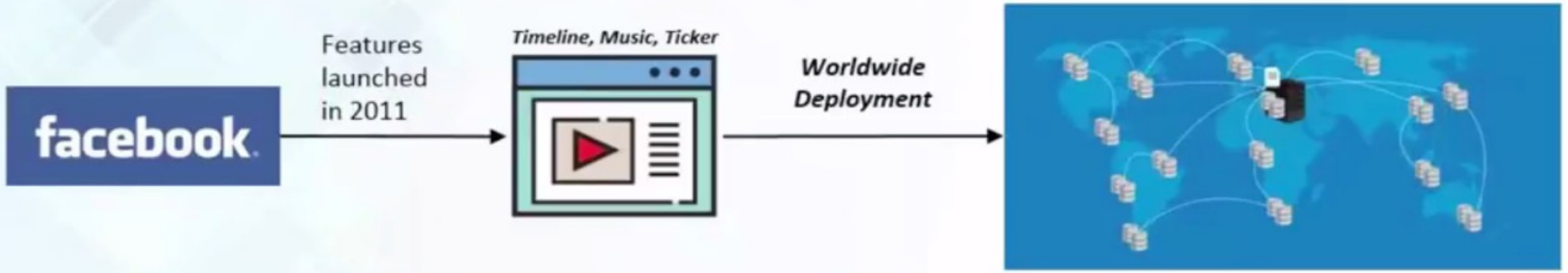
- Requirements change frequently
- Development needs to be fast

DevOps Approach

Best suited when:

- Requirements change frequently
- **Development** needs to be Agile
- **Operations** needs to be Agile

Evolution of Software Development



Challenges they faced that day

- Features released to 500 million users → Heavy Website traffic → Server Meltdown
- Mixed responses from users which lead to no conclusion

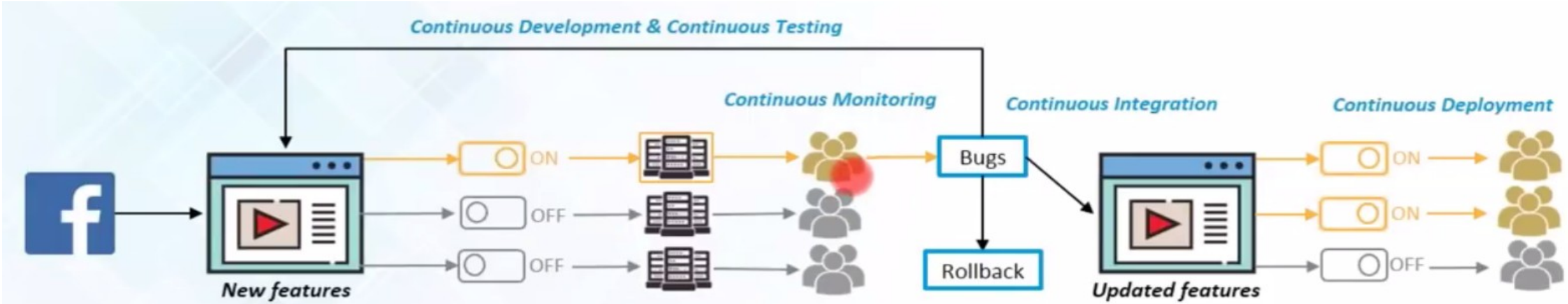
Use Case 2011 : FaceBook

Face Book Comes Up with Dark Launching

According to Dark Launching Technique:

- The new features are first deployed on a smaller & specific user base.
- They are continuously monitored and the feedbacks are continuously developed and tested.
- Once the features are stable, they are deployed on other user bases in multiple releases.

The Dark Launching Techinique

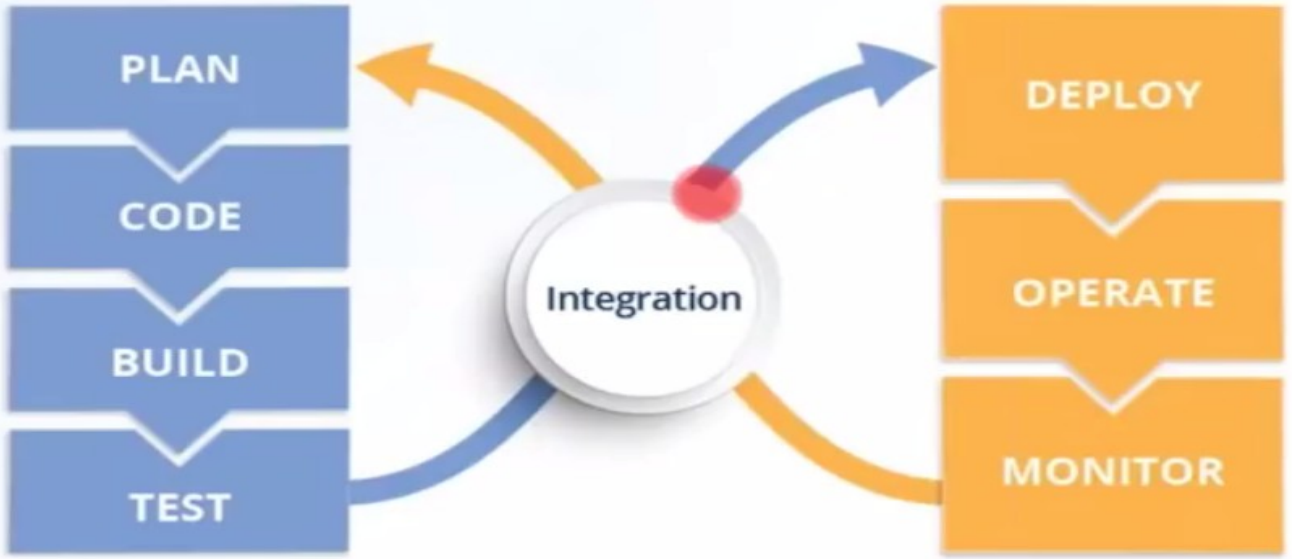


To Implement Dark launching, the below activities are fundamental as they lie at the heart of the DevOps lifecycle:

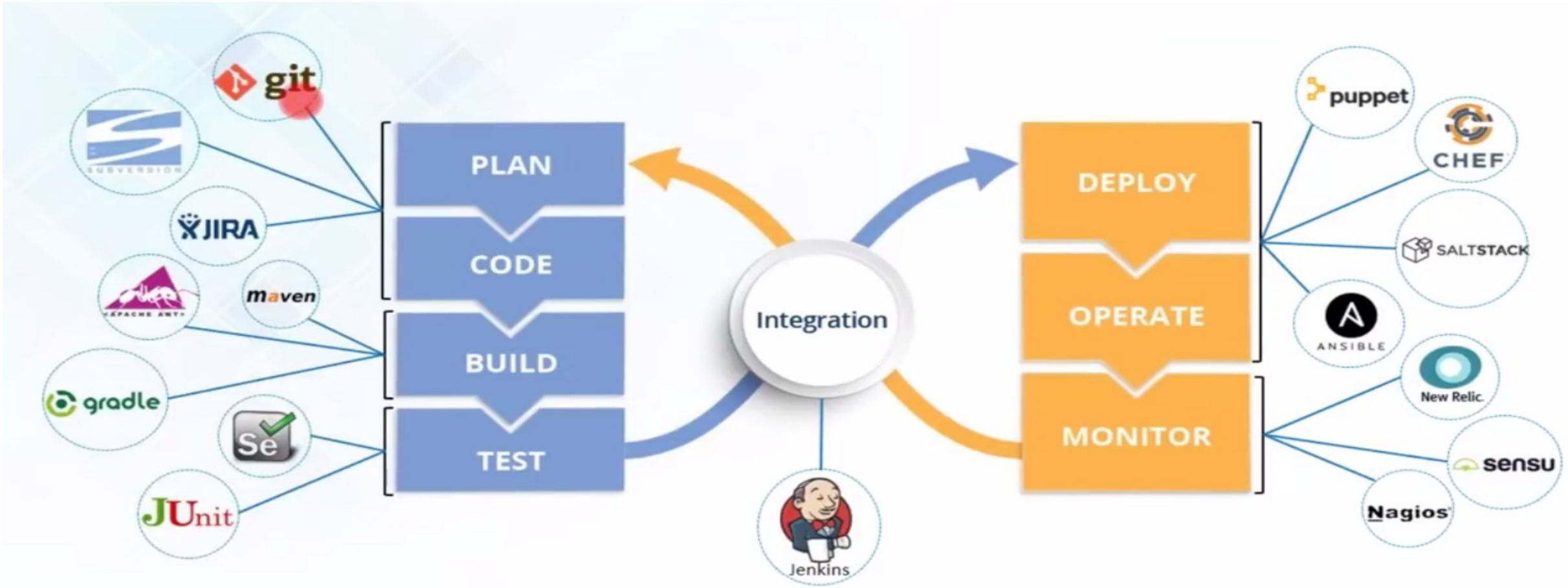
- Continuous Development
- Continuous Testing
- Continuous Integration
- Continuous Deployment
- Continuous Monitoring

The Dark Launching Techinique

DevOps is a Software Development approach which involves Continuous Development, Continuous Testing, Continuous Integration, Continuous Deployment and Continuous Monitoring of the software throughout its development lifecycle



What is DevOps ?



DevOps Tools

Thank You