

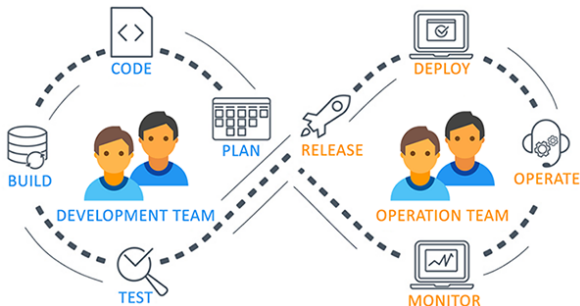
DevOps

Kick-off

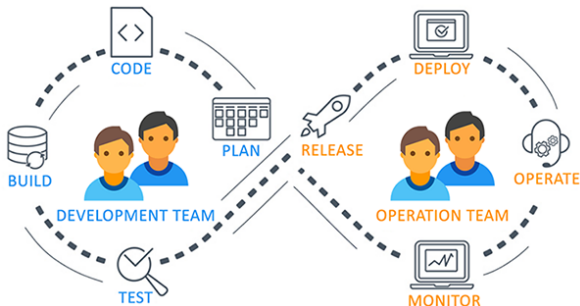
T7 - Network & Sys Admin

T-NSA-700

DevOps



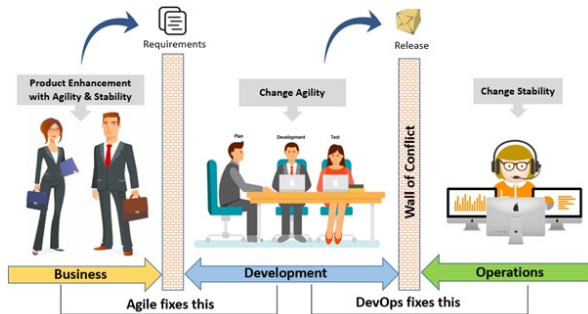
DevOps



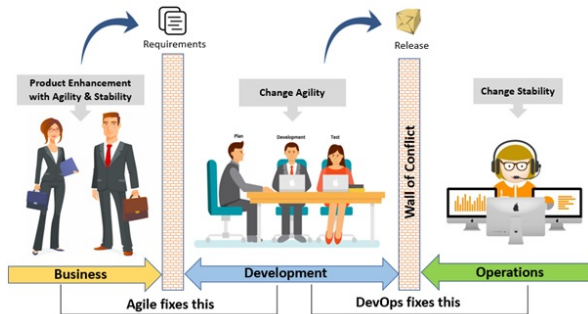
Developing software is much more than writing code.



Challenges



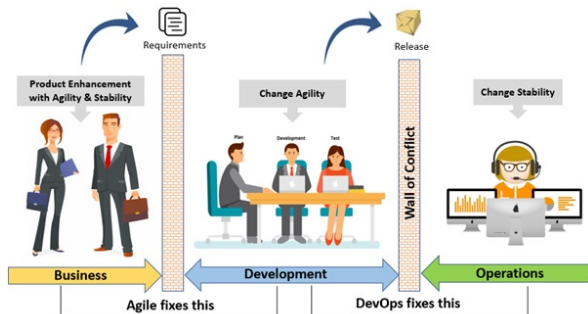
Challenges



- Organisation



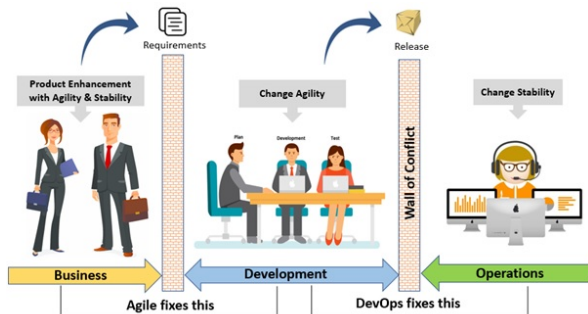
Challenges



- Organisation
- Collaboration



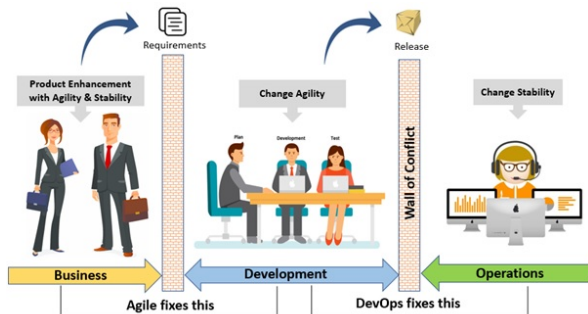
Challenges



- Organisation
- Collaboration
- Deployment



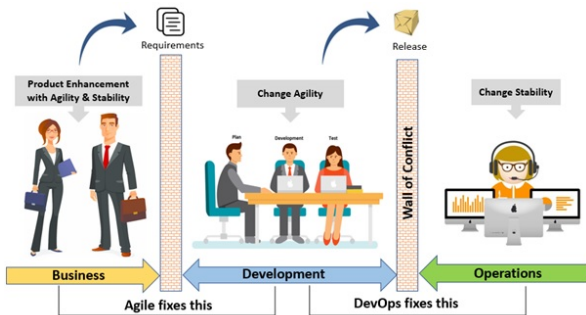
Challenges



- Organisation
- Collaboration
- Deployment
- Compliance



Challenges



- Organisation
- Collaboration
- Deployment
- Compliance
- Performance



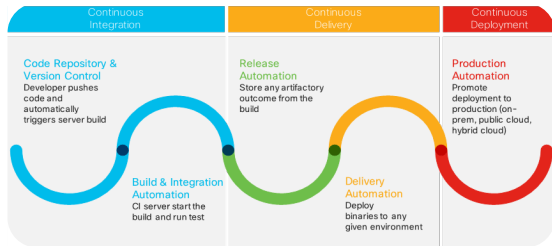
CI/CD

Continuous Integration / Continuous Delivery



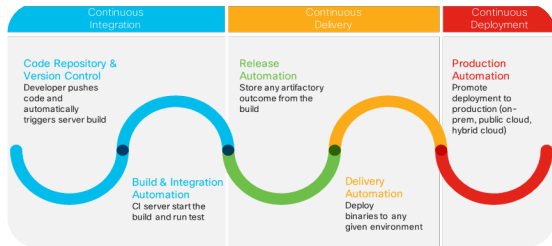
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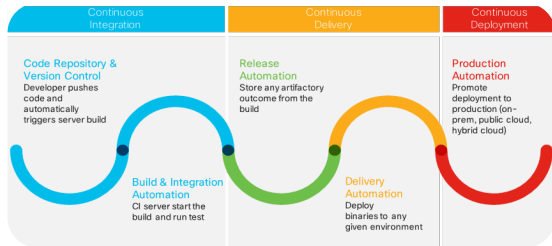


- Manage project's lifecycle



CI/CD

Continuous Integration / Continuous Delivery

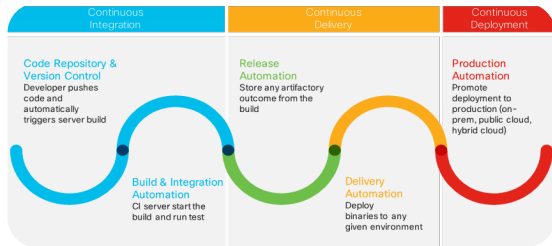


- Manage project's lifecycle
- Test & validate phases



CI/CD

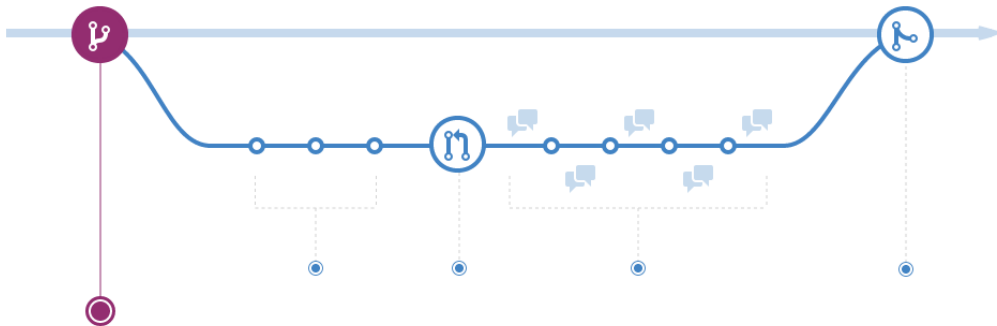
Continuous Integration / Continuous Delivery



- Manage project's lifecycle
- Test & validate phases
- Automate processes



Git branching: Github flow



Git branching: Github flow

Github flow: master branch is always deployable



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- QA must be done on feature-branch, before merging to master



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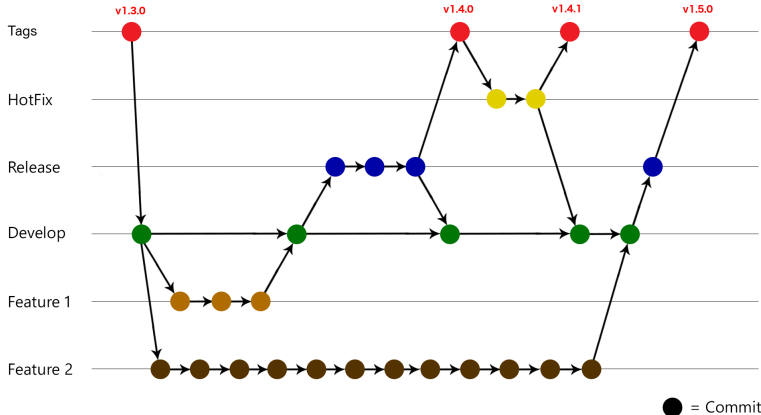
Git branching: Github flow

Github flow: master branch is always deployable

- QA must be done on feature-branch, before merging to master
- Merging to master can trigger a deployment automatically
- Easy and efficient process



Git branching: Git flow



Git branching: Git flow

Git flow: only releases are deployed (git tags)



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- Slow down development processes
- Convenient for large teams



Tools

versionning



Tools

versionning
testing



Tools

versionning
testing
deployment



Tools

versionning
testing
deployment
virtualization



Tools

versionning
testing
deployment
virtualization

workflow



Tools

versionning
testing
deployment
virtualization

workflow
scenarios



Tools

versionning
testing
deployment
virtualization

workflow
scenarios
templates



Tools

versionning
testing
deployment
virtualization

workflow
scenarios
templates
community modules
or custom scripts



Tools

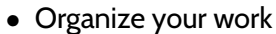
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Gitlab & Ansible





Gitlab & Ansible



- Organize your work
- Manage repositories



Gitlab & Ansible



- Organize your work
- Manage repositories
- Create roles



Gitlab & Ansible



- Organize your work
- Manage repositories
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- Setup templates



Gitlab & Ansible



- Organize your work
- Manage repositories
- Create roles
- Setup templates
- Remotely control actions



Any questions

?

