DevOps Journey to DevSecOps

Phase -1

About Me

- DevOps Engineer
- Security Enthusiast



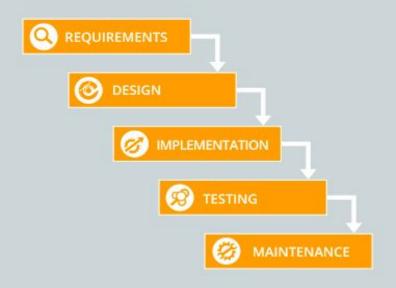
https://github.com/shramikawale

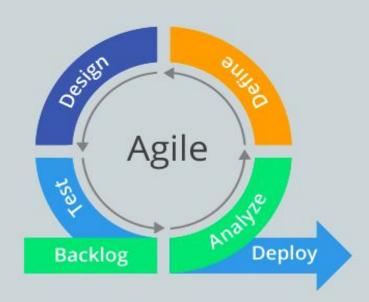
https://www.linkedin.com/in/shramik-awale-99a460b3/

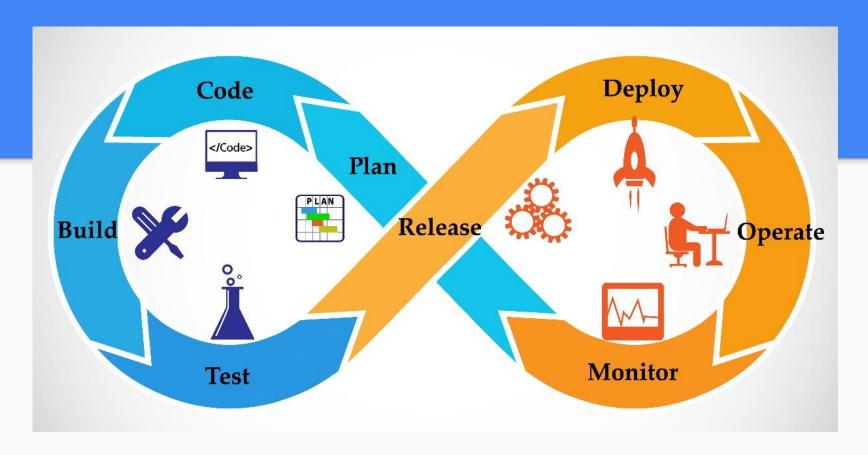
Content

- → Brief on DevOps
- → Career and Benefits on DevOps
- → Why is it emerging?
- → Different tools used by DevOps
- → Conclusion
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Waterfall vs. Agile







DevOps

What is DevOps?

Combinations of cultural philosophies, practices and tools that increases organization's ability to deliver applications and services at **high velocity** and makes everyone more **collaborative and responsive to change**.

CALMS

Culture

Automation

Lean

Measurements

Sharing

Culture

- Focus on people.
- Encourage to collaboration & communication.
- Continuous Improvement.
- Help People understand DevOps.

Automation

- Focus on Continuous Delivery.
- Environment setup.
- Chat Bot.
- Continuous Integration and Continuous Deployment.
- Continuous Testing and Continuous Monitoring.

Lean

- Focus on the value.
- Asking better questions to the clients.
- Lead time: Visualizing Productions metrics.
- Case studies.

Measurements

- Provide feedback to everyone.
 - Failures in production and when it is fixed.
 - The number of defects that are found during a given unit of time.
 - Change lead time (Duration of new release in production).
 - The percentage of tickets mapped to releases.
 - The percentage of unplanned issues.

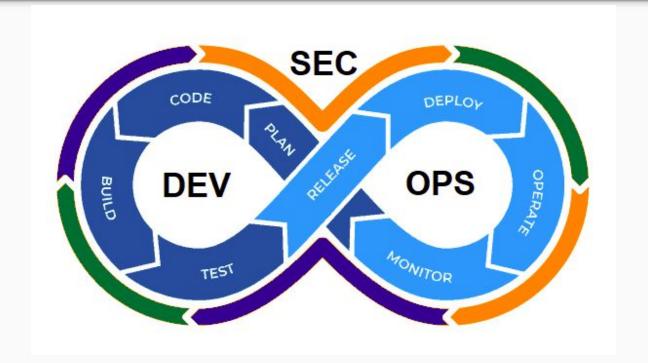
Sharing - Soft Skill

Collaboration

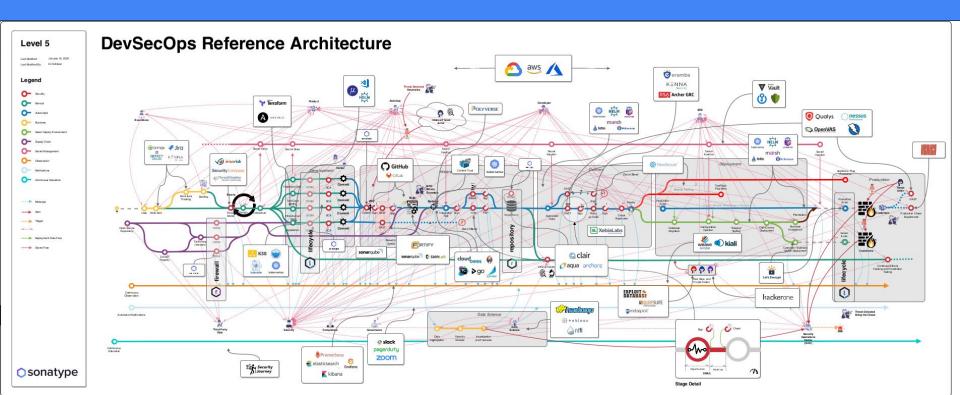


Communication.

DevSecOps Cycle



DevSecOps Architecture



Benefits of DevSecOps

Cost Savings

Business Challenges

Fast Recovery

Demand for Flexible, Efficient Infrastructure

Enhanced Threat Hunting

Operational Complexity

Improved Overall Security

Human Error

Transparent Culture

Lack of Accountability and Measurement

Constant Improvement

Career on DevOps

- → Adopt an Agile and Lean way of working
- → Modernize software architecture
- → Embrace Continuous Delivery
- → Invest in Intelligent infrastructure
- → Manage talent.

Why is it emerging?

- → Automation
- → Continuous Integration and Continuous Delivery
- → Everything as a Code
- → Containerisation & Kubernetes
- → Serverless Architecture
- → Al and Data Science
- → More Embedded Security DevSecOps

Collaborate Build Test Deploy Run



GitLab



Knowledge Sharing

Mark

down

FLARUM

Discourse

github:pages

X.Confluence

Read the Docs

OPEN API

reddit

apiblueprint 74MI

PHABRICATOR



®GitBucket















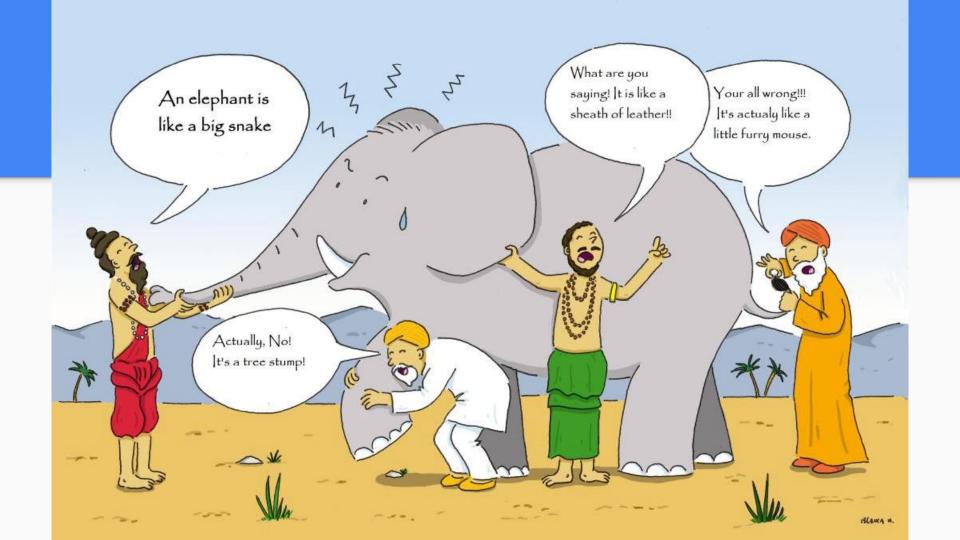
Conclusion

DevSecOps is agile, secure, fast, reliable and collaborative way of building software for modern IT industry with growth mindset team.

So are we?

Questions?

https://docs.google.com/document/d/1b9nLUhgLsTOYizloZizC98Ofu-8K46Yvp5DelZ2b11M/edit?usp=sharing



References

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- 2. https://theagileadmin.com/what-is-devops/
- 3. https://github.com/kamranahmedse/developer-roadmap
- 4. https://alertops.com/guides/everything-you-need-to-know-about-devsecops

Thank You Note !!!

Start today, love what you do and you will do wonders in life.