

DEVOPS AS A SERVICE (DAAS)



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SOLUTION



COMMUNITY DAY

NEPAL

2022



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Introduction



Shramik Awale

- Founder of AwakeTech Solution
- Worked on Express, NuTech, Wellnite, CTS etc.
- www.awaketechsolution.com
- Building DevOps Community





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What is DevOps?



No hate of course!



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DevOps Cont'd

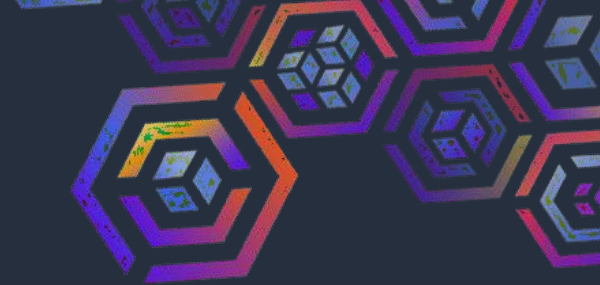
- DevOps is a culture, movement or practice that emphasizes the collaboration and communication of both software developers and other IT professionals while automating the process of software delivery and infrastructure changes.
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- | | |
|---|---|
| → Culture: Continuous Improvement | C |
| → Automation: IaC, CI, CD, Chatbot, Continuous Testing and Continuous Monitoring. | A |
| → Lean: Asking better questions to the clients. | L |
| → Measurements: Change lead time & percentage of unplanned issues. | M |
| → Sharing: Communication & Collaboration | S |



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Features

- Agile: Iterative and Incremental development
- Cloud: Workload management on demand
- Lightweight architecture: Quick set up and efficient operations
- Security: Greater resilience and fewer threats
- Testing: Automated test techniques





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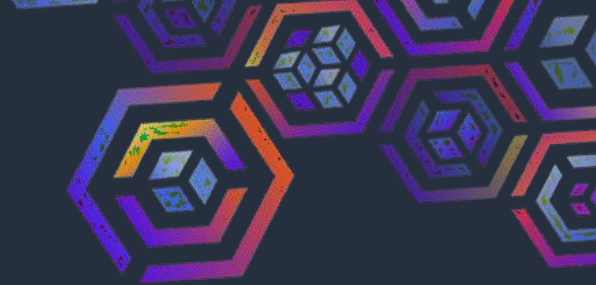


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Demo

Let's start

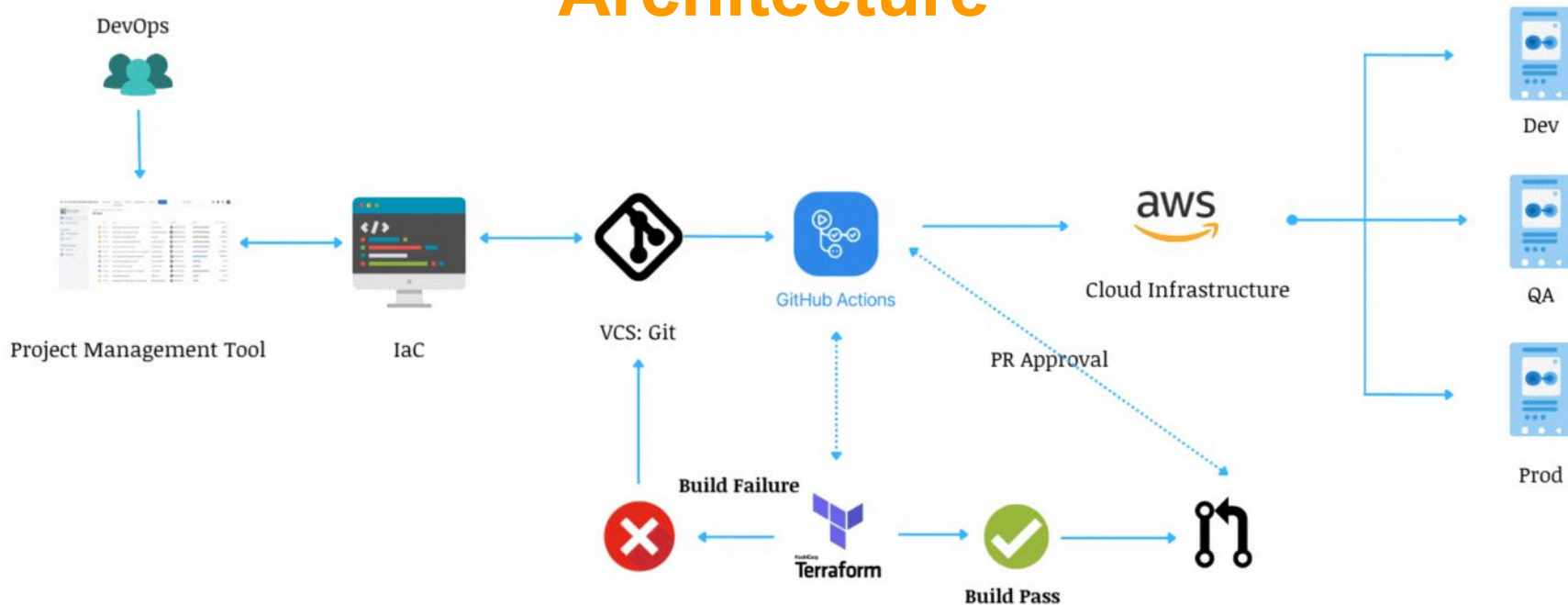
- AWS service: EC2 / EKS / ECS / Lambda
- IaC: Terraform (dev / qa / prod: workspace)
- CI CD: Github Actions
- Service: Nginx Application





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Architecture

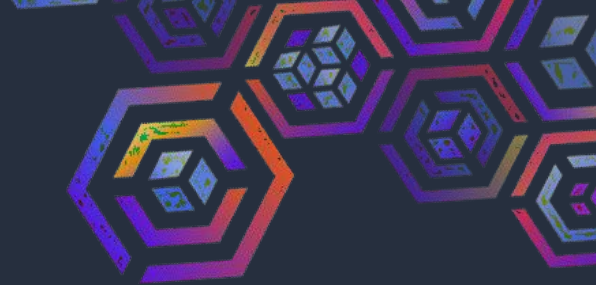




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Benefits: DAAS

- Code reusability
- Source codes management: Infrastructure
- Consistent Environments
- Auditability
- Reliable Team
- Synchronized Environments (Dev, QA & Prod)
- Transparency within teams
- Increased Code Quality

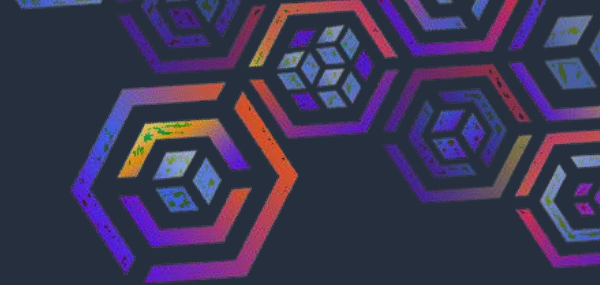




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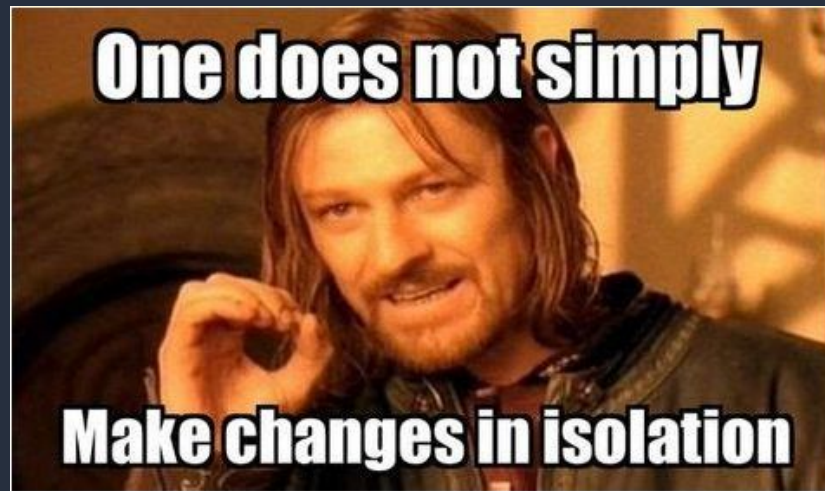
Cons: DAAS

- Transition Challenges
- Expertise: High Cost
- Pay As You Go Model
- Security





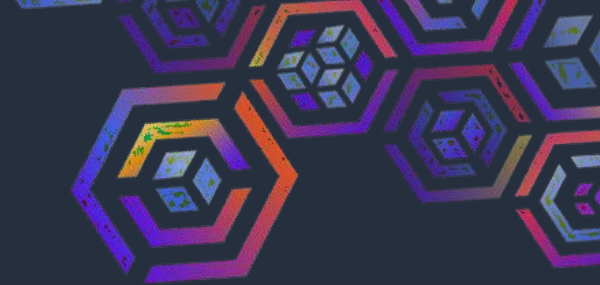
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Any Questions ?





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Final thoughts

WHAT DO WE WANT?



TO DELIVER BETTER SOFTWARE!



WHEN DO WE WANT IT?



CONTINUOUSLY!!!





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Thank You Notes.

