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DevOps 2025:

what to expect

What is DevOps?
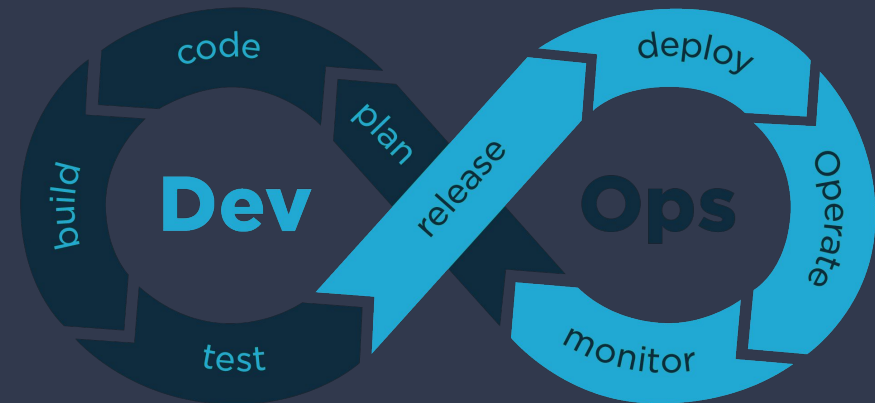
Calms model

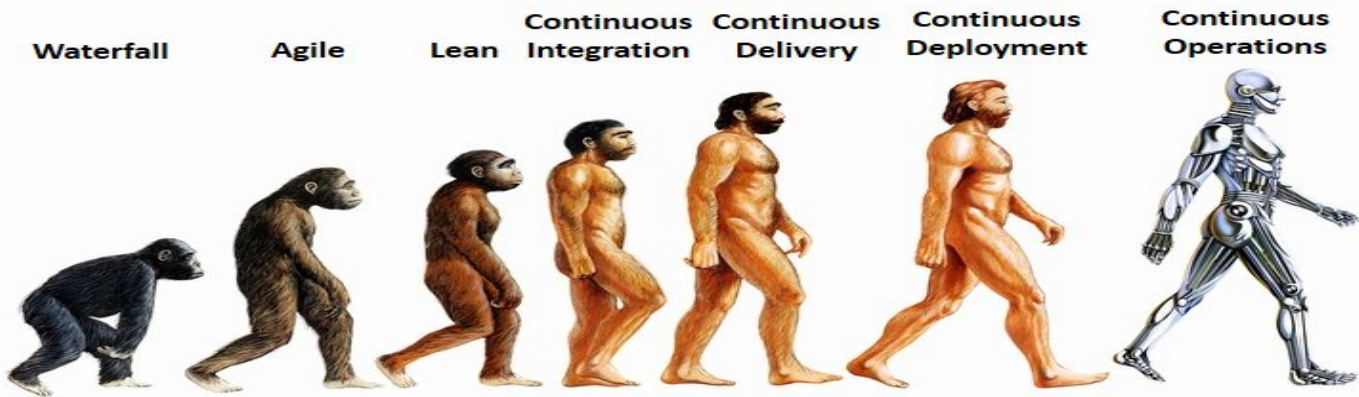|	
Culture	• Focus on People • Embrace Change & experimentation
Automation	• "Continuous Delivery" • "Infrastructure as Code"
Lean	• Focus on producing value for the end-user • Small batch sizes
Measurement	• Measure everything • Show the improvement
Sharing	• Open information sharing • Collaboration & Communication

Current Multi-Cloud Accommodations

- Separation between development and deployment
- More challenging
- Responding to changing technologies
- Understanding cloud platform's native features
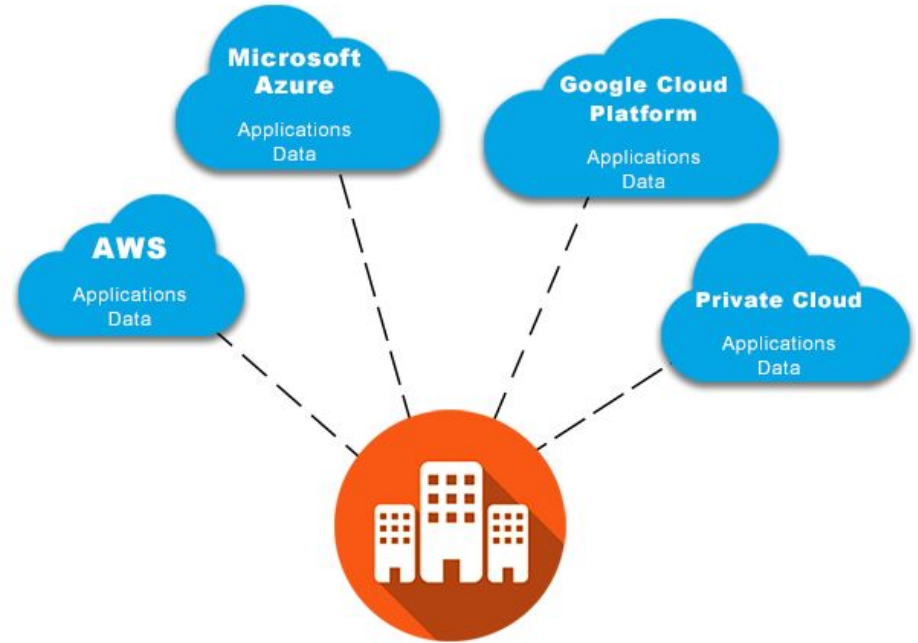
What this means for the future of DevOps

- A lot of containarization of software,
- Applications run using the cloud,
- Software management using standardized frameworks,
- DevOps professionals will have more time to drive efficient innovations.

DevOps Movement

Waterfall   Agile   Lean   Continuous Integration   Continuous Delivery   Continuous Deployment   Continuous Operations

Trends

- There's an increase in diversity of cloud services which are leading to multi-could and hybrid infrastructures.
- Data managers are facing more requirements regarding the emergence of DataOps.

More than one cloud management platform is utilized in single IT environment due to:

- to minimize downtime through redundancy
- reduce data loss and sprawl
- avoid vendor lock-in
- provide versatility to meet a team's varying project needs

Code is a required skill

Categories that will helps DevOps professionals:

- **Ability:** This is the level at which a DevOps professional can perform their tasks.
- **Knowledge:** This is something that's learned.
- **Skill:** This is something that is learned through experience or training.

Microservice Architecture

- Increase in demand,
- Are loosely coupled and distributed,
- Entire solution does not break if one team's changes fail,
- Allows rapid development,
- Scalabe.
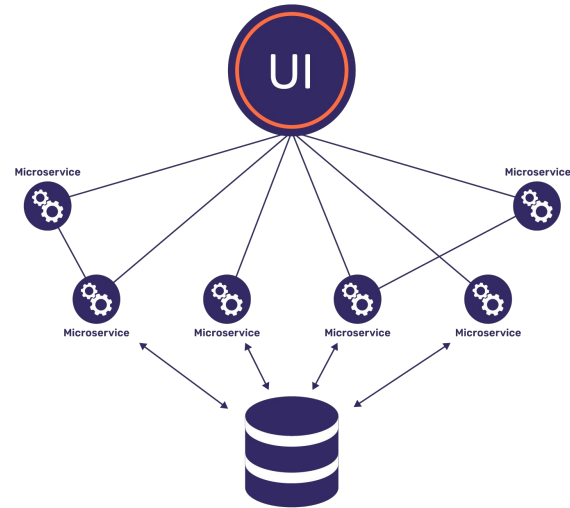
Serverless technologies

Some of the most significant ways serverless computing is providing benefits and agility to DevOps include:

- better start-up times
- improved resource utilization
- finger-grained management

Take home

It's a Wrap!

The execution of successful DevOps relies on teams communicating clearly with each other. The future of DevOps means the diminishing of manual approvals, but the human element will never vanish entirely.