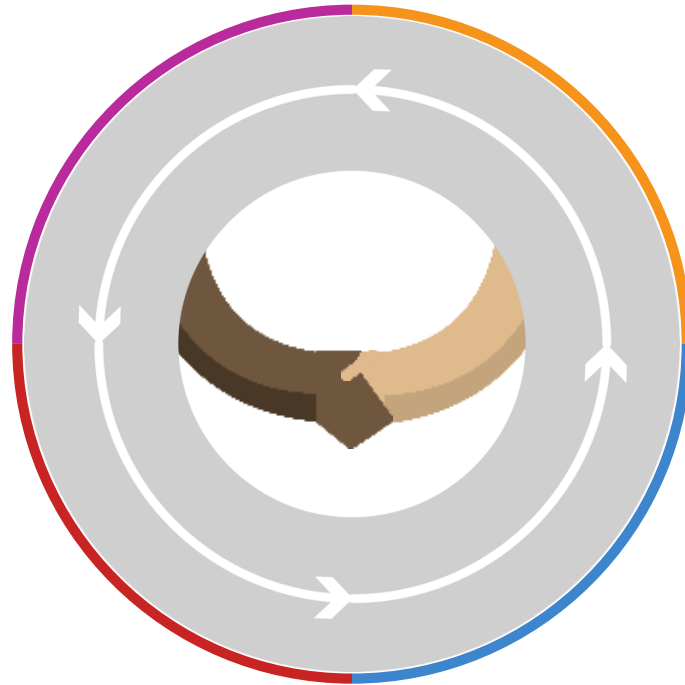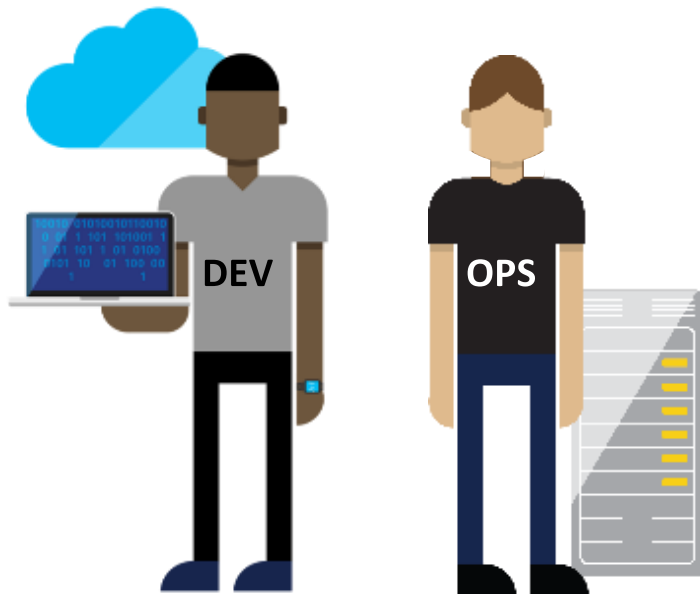# DevOps Transformation

Agenda

- What's DevOps?
- DevOps Benefits.
- DevOps Tools

DevOps

is a set of practices that combines software development (Dev) and IT operations (Ops). It aims to shorten the systems development life cycle and provide continuous delivery with high software quality.

DevOps: the three stage conversation

| **1** People | **2** Process | **3** Products |

DevOps Benefits

Strong IT Performance is a competitive advantage

Firms with high-performing IT organizations were 2x as likely to exceed their profitability, market share, and productivity goals

Deploy code 30x faster

and with 200x shorter lead time as compared to their lower-performing peers

DevOps Practices improve IT performance

Have 60x fewer failures

and recover from failure 168x faster as compared to their lower-performing peers

puppet labs

2015 STATE OF Dev Ops REPORT

In Partnership with IT REVOLUTION

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Source: https://puppetlabs.com/

➢ **DevOps Tools:**

    - Source control Management   {Git}
    - Cloud   {AWS}
    - IaC   {Terraform}
    - Configuration Management   {Ansible }
    - Orchestration   {K8S}
    - CI/CD   {Jenkins}
    - Monitoring   {Grafana}

Thanks