

# DevOps Getting Started

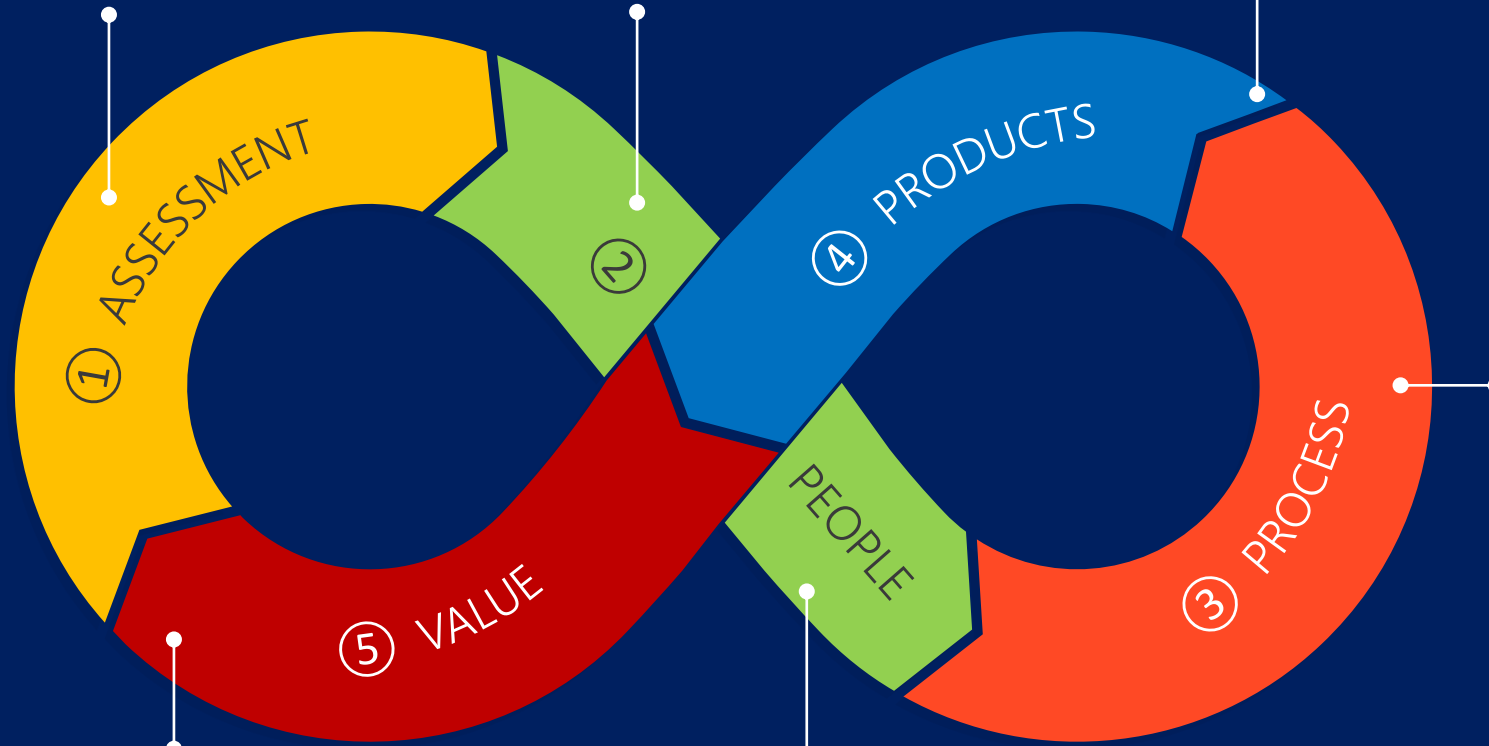
DevOps X-Ray Assessment  
<https://www.devops-survey.com>

Microsoft DevOps Self-Assessment  
<https://aka.ms/devopsassessment>

Transforming the culture is the biggest challenge.

All **PEOPLE** need to buy into the transformation, be kept up to date on all initiatives, understand how their roles will be affected, collaborate transparently, and take responsibility for their features.

**PRODUCTS** and technology are enablers, allowing teams and architects to focus on outcomes.



It's about delighting our customers with **VALUE!**

Key performance indicators

- Deployment frequency
- Lead time for changes
- Change failure rate
- Time to recover

Leadership

- Vision
- Inspirational communications
- Intellectual stimulation
- Supportive leadership
- Personal recognition

Team Culture

- Cross-functional collaboration
- Climate of learning
- Effective use of tools
- Everyone is responsible

Culture

- Value stream based teams
- Dogfooding and canaries
- Org trained to run the business
- Everyone empowered
- Everyone responsible and on call
- Everyone engaged in the team

Key **PROCESS** Goals

- Focus on quality (security, test, deploy,...)
- Loosely coupled architectures enable scaling
- Lightweight change management process
- Automate everything – fast, stable, consistent
- Multiple releases per day
- Celebrate success as a team and organization!

Live Site Incidents

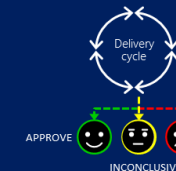
- Track live site incidents
- Remediate at root cause level

Lean Management

- Limit work in progress (WIP)
- Visual (dashboards) work management
- Create a production feedback loop
- Lightweight (empower, trust) change approvals

Lean Development

- Work in small batches (WIP)
- Make flow of work visible (dashboards)
- Gather & action feedback
- Experiment, learn, and influence



HYPOTHESIS

We believe {customer/business segment} wants {product/feature/service} because {value prop}

Continuous Delivery

- Built-in quality
- Work in small batches
- Use computer for repetitive tasks
- Continuous improvement
- Everyone is responsible