

# DevOps Getting Started

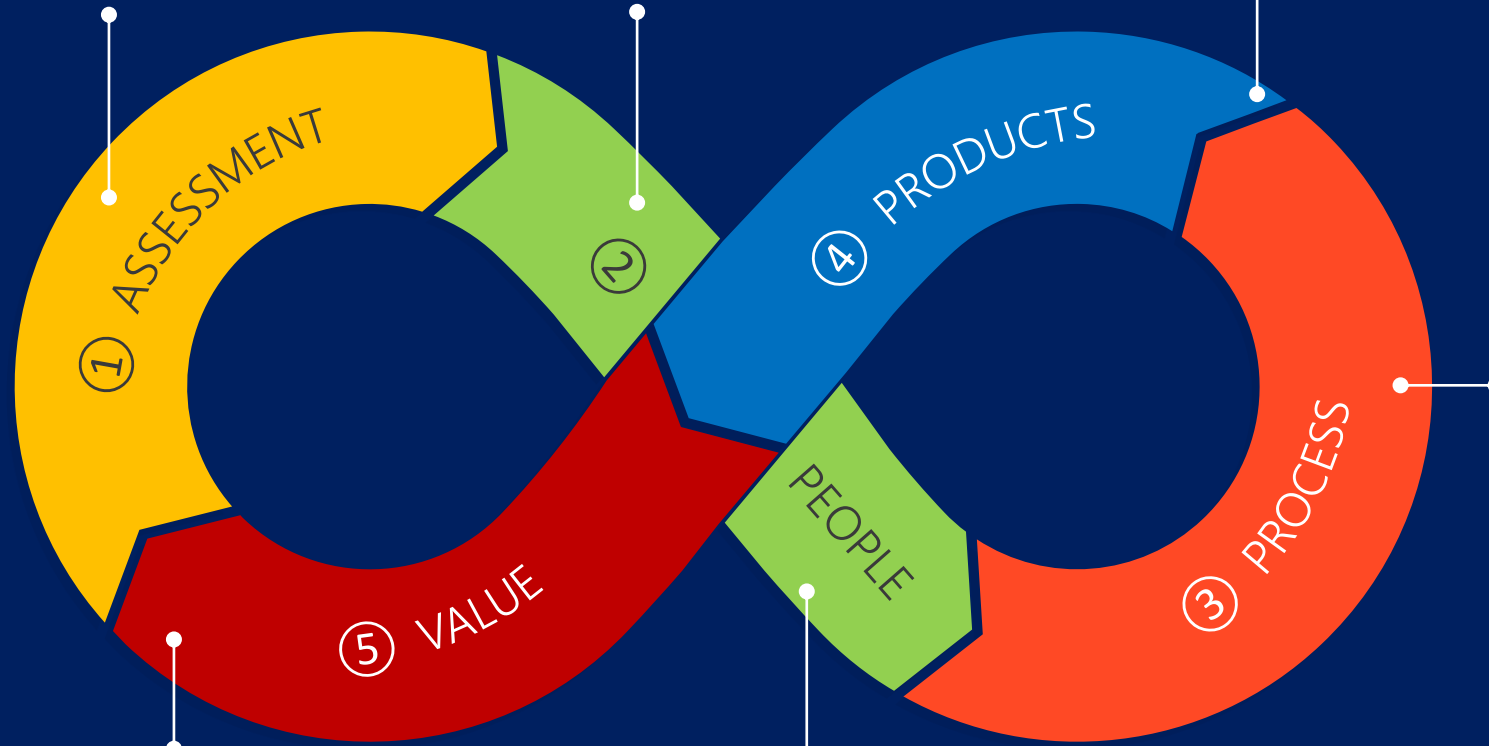
DevOps X-Ray Assessment  
<https://www.devops-survey.com>

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.



## Key **PROCESS** Goals

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

## Live Site Incidents

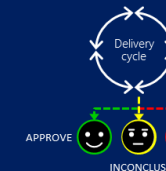
- Track live site incidents
- Remediate at root cause level

## Lean Management

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

## Lean Development

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



## HYPOTHESIS

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

## Continuous Delivery

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

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

## Key performance indicators

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

## Leadership

- Accept failures as normal
- Inspirational communications
- Intellectual stimulation
- Own the vision
- Personal recognition
- Supportive leadership

## Culture

- Climate of learning
- Cross-functional collaboration
- Dogfooding and canary environments
- Effective use of tools
- Everyone empowered
- Everyone responsible and on call
- Trained to run the business
- Value stream-based teams