DevOps Maturity and Agile Adoption Survey

Sarah Parkes Draft Assessment v0.1

DevOps is not a destination, but a journey of constant improvement

General Information

1. **Company Name:**
2. **Department/Team:**
3. **Role/Position:**
4. **Team Size:**

   - 1-5 members
   - 6-10 members
   - 11-20 members
   - More than 20 members

Team Topology

1. Is your team product-based or project-based?
2. Do you have a dedicated product owner per service/product?
3. **How would you describe your team's topology?** (Select all that apply)

   - Stream-aligned team
   - Platform team
   - Enabling team
   - Complicated subsystem team
   - Other (please specify)

Agile Development

How long has your team been practising Agile methodologies?

- Less than 6 months

- 6 months to 1 year

- 1 to 2 years

- More than 2 years

2. **Which Agile practices are most commonly used in your team?** (Select all that apply)

- Scrum

- Kanban

- Extreme Programming (XP)

- Lean

- Other (please specify)

3. **How do you measure the success of Agile adoption in your team?** (Select all that apply)

- Increased team productivity

- Improved product quality

- Faster time to market

- Enhanced customer satisfaction

- Other (please specify)

4. **How are best practices introduced to the team?**

- Processes are pushed down from a higher authority e.g. central IT team or management

- We improve our processes when they are identified during a ceremony (e.g. retrospective, or root cause analysis)

- We submit suggestions to a "change control board"

- We don't change our processes unless they're broken

5. **How do you manage Technical Debt?**

- A percentage of every sprint is dedicated to remediating tech debt

- We triage issues, and add the most severe to the next sprint, and the rest onto the backlog

- We tackle all technical debt on in the next sprint

- Other (please specify)

6. **What tools do you use for Agile practices?** (Select all that apply)

- Jira

- Trello

- Asana

- Azure Boards

- GitHub Projects

- VersionOne

- Other (please specify)

7. **How frequently does your team conduct Agile ceremonies (e.g., daily stand-ups, sprint planning, sprint reviews, retrospectives)?**

- Daily

- Weekly

- Bi-weekly

- Monthly

- We do not conduct Agile ceremonies

8. **How does your team perform Agile estimation?** (Select all that apply)

- Estimates are performed by others (e.g. project managers)

- Planning Poker

- T-shirt Sizing

- Story Points

- Time based (e.g. Hours/Days)

- Other (please specify)

9. **How accurate are your team's Agile estimations?**

- Very accurate

- Accurate

- Neutral

- Inaccurate

- Very inaccurate

10. **What is the typical duration of your team's sprints?**

- 1 week

- 2 weeks

- 3 weeks

- 4 weeks

- Other (please specify)

11. **How frequently does your team conduct code reviews?**

- After every commit

- Daily

- Weekly

- Bi-weekly

- Monthly

- We do not conduct code reviews

DevOps Practices

1. **How long has your team been practising DevOps methodologies?**

   - Less than 6 months

   - 6 months to 1 year

   - 1 to 2 years

   - More than 2 years

2. **Which DevOps practices are implemented in your team?** (Select all that apply)

   - Continuous Integration (CI)

   - Continuous Delivery (CD)

   - Infrastructure as Code (IaC)

   - Automated Testing

   - Continuous Monitoring

   - Security testing (e.g. automatically scanning for secrets in code)

   - Other (please specify)

3. **What tools do you use for DevOps practices?** (Select all that apply)

   - Jenkins

   - GitLab CI/CD

   - Azure DevOps

   - Docker

   - Kubernetes

   - Other (please specify)

4. **What automated testing tools do you use?** (Select all that apply)

   - Selenium

   - JUnit

   - TestNG

   - Cucumber

   - Postman

   - Playwright

   - CodedUI

   - Other (please specify)

Developer Productivity - SPACE Metrics

1. **Satisfaction and Well-being:**

   - How satisfied are you with the current DevOps practices and engineering systems in your team?

     - Very satisfied

     - Satisfied

     - Neutral

     - Dissatisfied

     - Very dissatisfied

2. **Performance:**

   - How do you measure the performance of your DevOps processes?** (Select all that apply)

     - Code Review Velocity

     - Story points shipped

     - Customer Satisfaction

     - Deployment frequency

     - Lead time for changes

     - Change failure rate

     - Mean time to recovery (MTTR)

     - Other (please specify)

3. **Activity:**

   - How frequently do you deploy code to production?

     - Multiple times a day

     - Daily

     - Weekly

     - Monthly

     - Less frequently

4. **Communication and Collaboration:**

   - How effective is the communication and collaboration within your team?

     - Very effective

     - Effective

     - Neutral

     - Ineffective

- Very ineffective

5. **Efficiency and Flow:**

    - How do you ensure the efficiency and flow of your DevOps processes?**
      (Select all that apply)

        - Regular retrospectives

        - Continuous improvement initiatives

        - Automation of repetitive tasks

        - Other (please specify)

6. **How frequently does your team conduct retrospectives?**

    - After every sprint

    - Monthly

    - Quarterly

    - Annually

    - We do not conduct retrospectives

Challenges Faced

1. **What are the main challenges your team faces in adopting Agile methodologies?** (Select all that apply)

    - Resistance to change

    - Lack of training and knowledge

    - Inadequate tools and resources

    - Poor communication and collaboration

    - Difficulty in measuring success

    - Other (please specify)

2. **What are the main challenges your team faces in adopting DevOps practices?**
   (Select all that apply)

    - Resistance to change

    - Lack of training and knowledge

    - Inadequate tools and resources

    - Integration with existing systems

    - Security concerns

    - Other (please specify)

Benefits Observed

1. **What benefits has your team observed from adopting Agile methodologies?**
   (Select all that apply)

    - Improved team collaboration

- Increased productivity

- Faster delivery of features

- Higher quality of deliverables

- Better customer satisfaction

- Other (please specify)

2. **What benefits has your team observed from adopting DevOps practices?**
   (Select all that apply)

   - Faster deployment times

   - Reduced downtime

   - Improved system reliability

   - Enhanced security

   - Better alignment between development and operations

   - Other (please specify)

Additional Comments

1. **Please provide any additional comments or suggestions to improve Agile and DevOps practices in your team:**