

Module Two

DevOps, SRE, and Why They Exist

1. Key Points
2. Reflection Activity

1. Key Points

- DevOps emerged to help close gaps and break down silos between development and operations teams.
- DevOps is a philosophy, not a development methodology or technology.
- SRE is a practical way to implement DevOps philosophy.
- Developers focus on feature velocity and innovation; operators focus on reliability and consistency.
- SRE consists of both technical and cultural practices.
- SRE practices align to DevOps pillars:

Share ownership



1. Reduce organizational silos

Blamelessness



2. Accept failure as normal

Reduce cost of failure



3. Implement gradual change

Toil automation



4. Leverage tooling and automation

Measure toil and reliability



5. Measure everything

2. Reflection Activity

In this module, you heard the story of an online retailer whose developers suffered from burnout due to the demands of increased feature deployment while addressing reliability issues on the side.

Have you ever noticed this type of behavior with your development teams? If so, what do you think caused it?