
AWS
re:Invent
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PRT227

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Building an onboarding COE for AWS: Going beyond automation

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Agenda

Establishing a platform engineering mindset

Building a cloud onboarding COE

Introducing refactor readiness

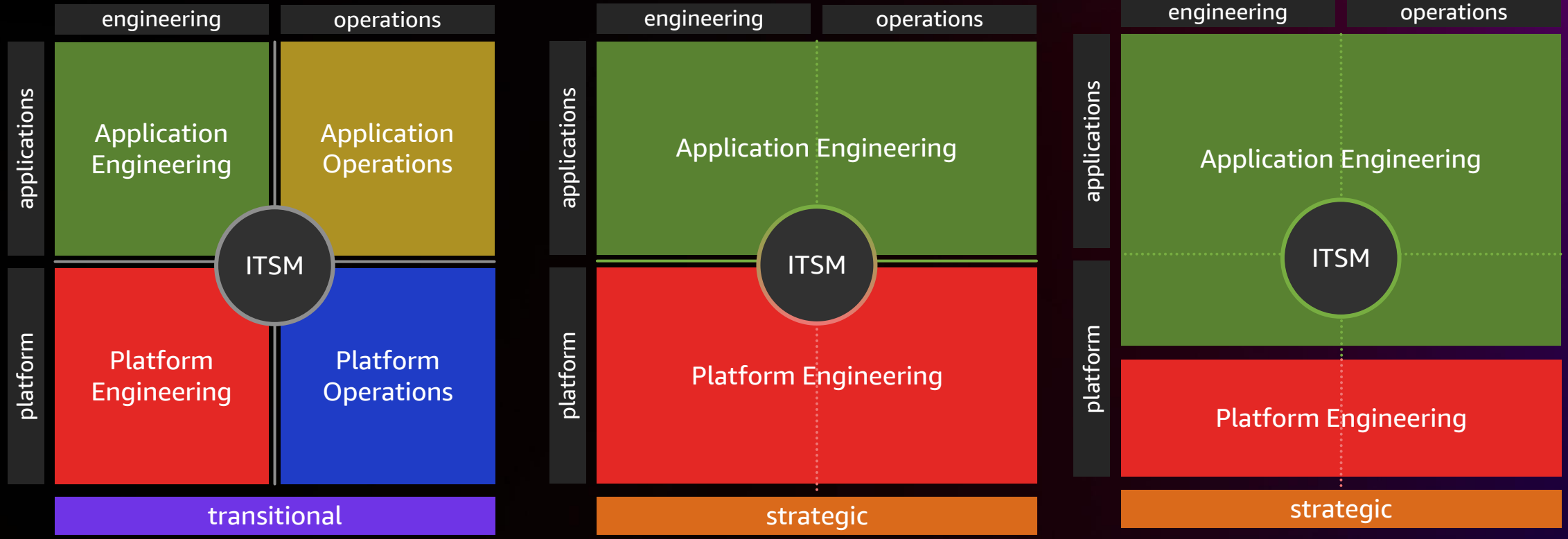
Measuring your cloud onboarding COE

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Establishing a platform engineering mindset

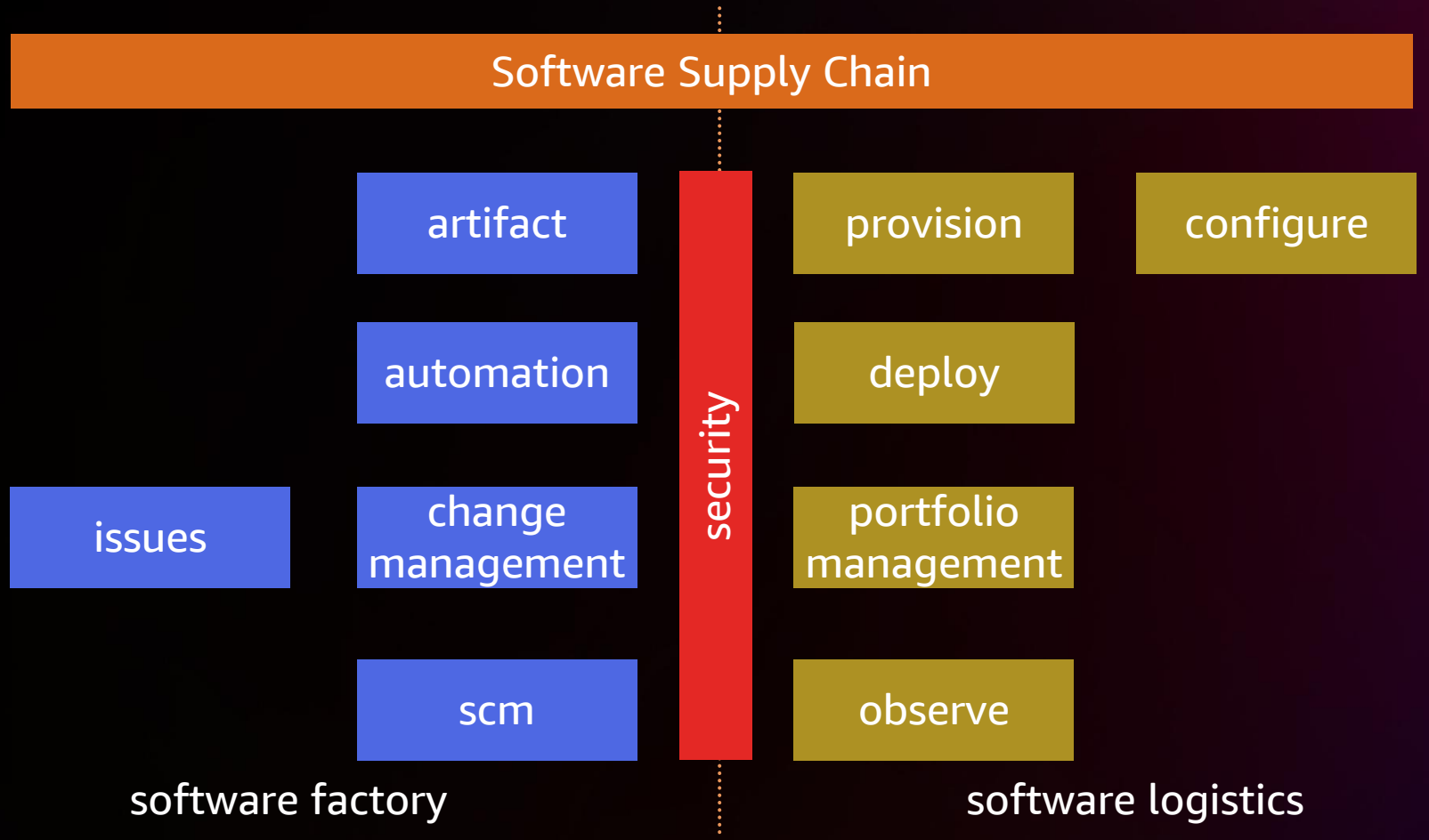
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The move to platform engineering



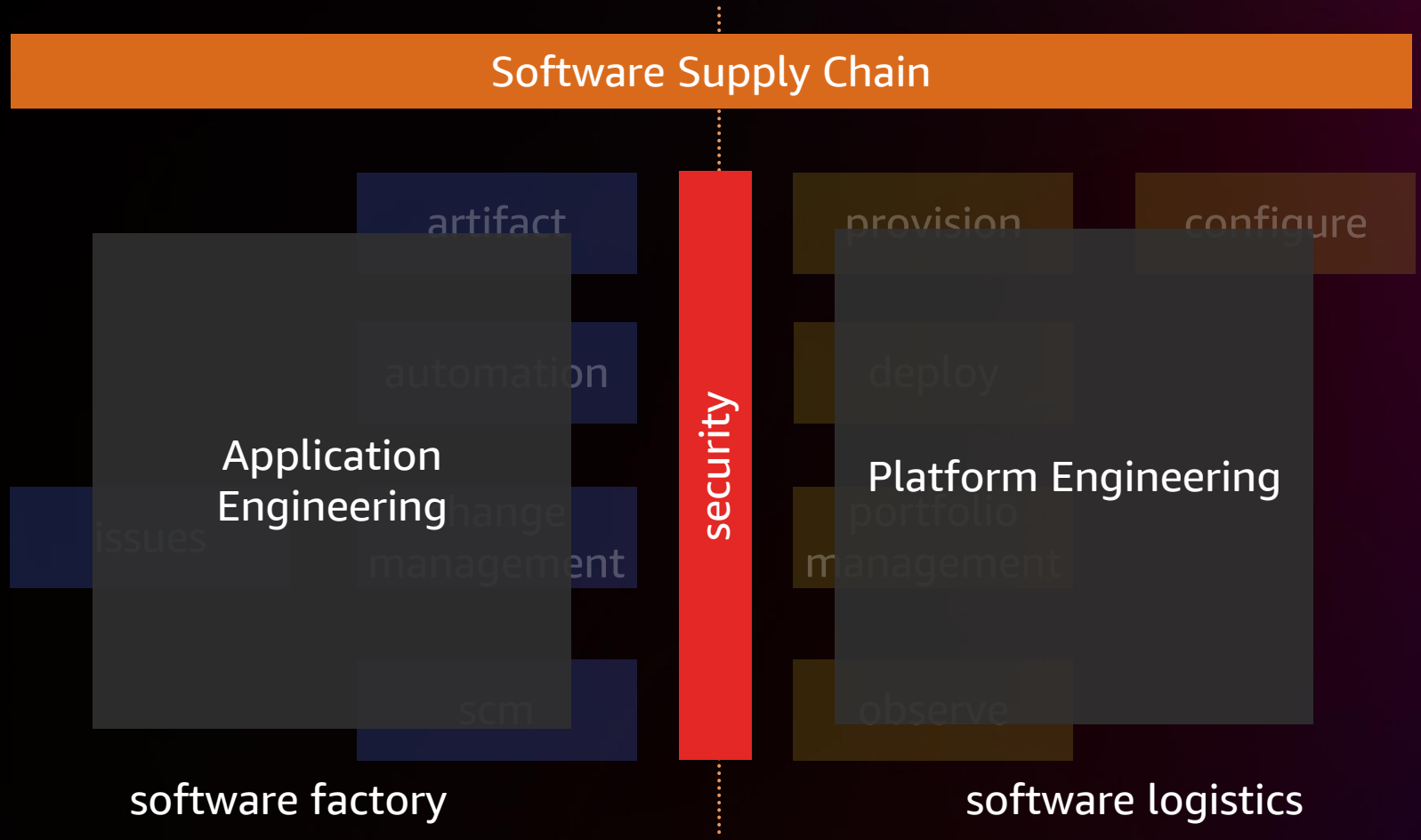
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The software supply chain



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The software supply chain

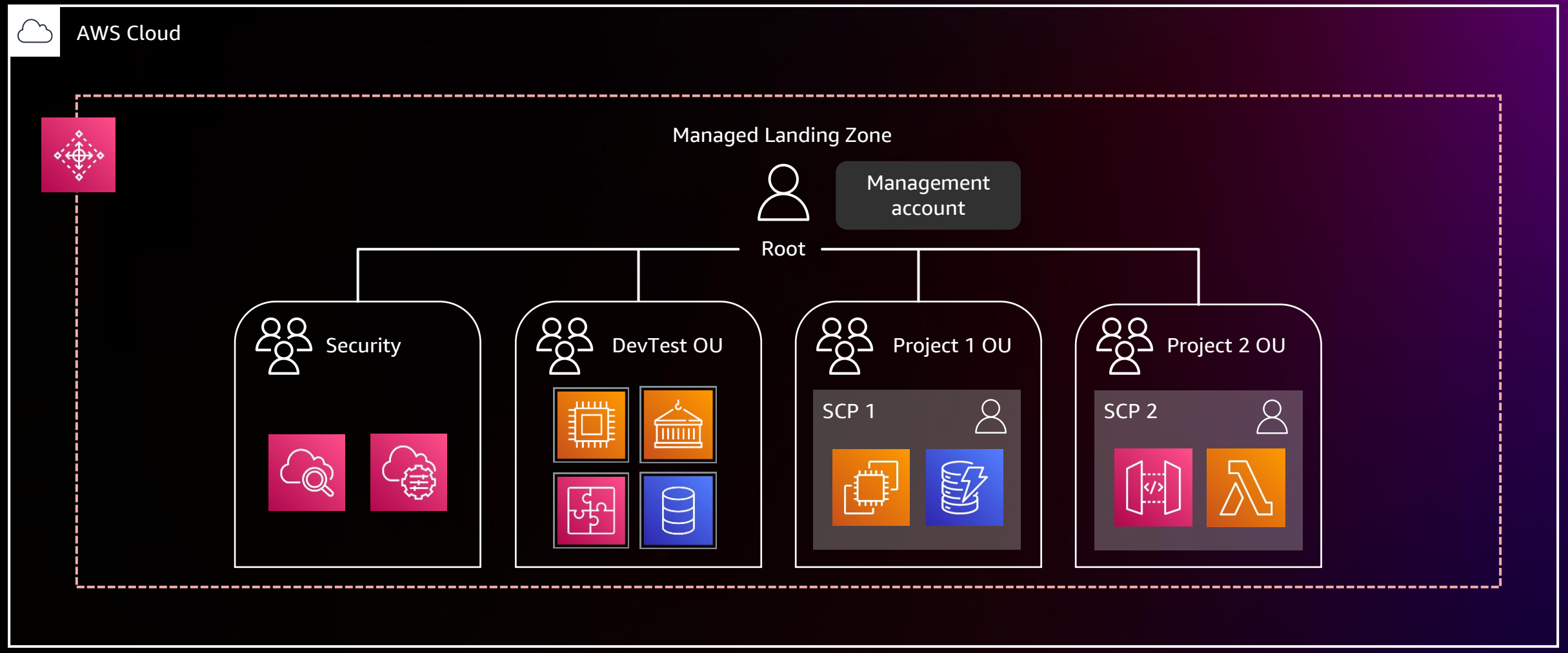


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Building a cloud onboarding COE

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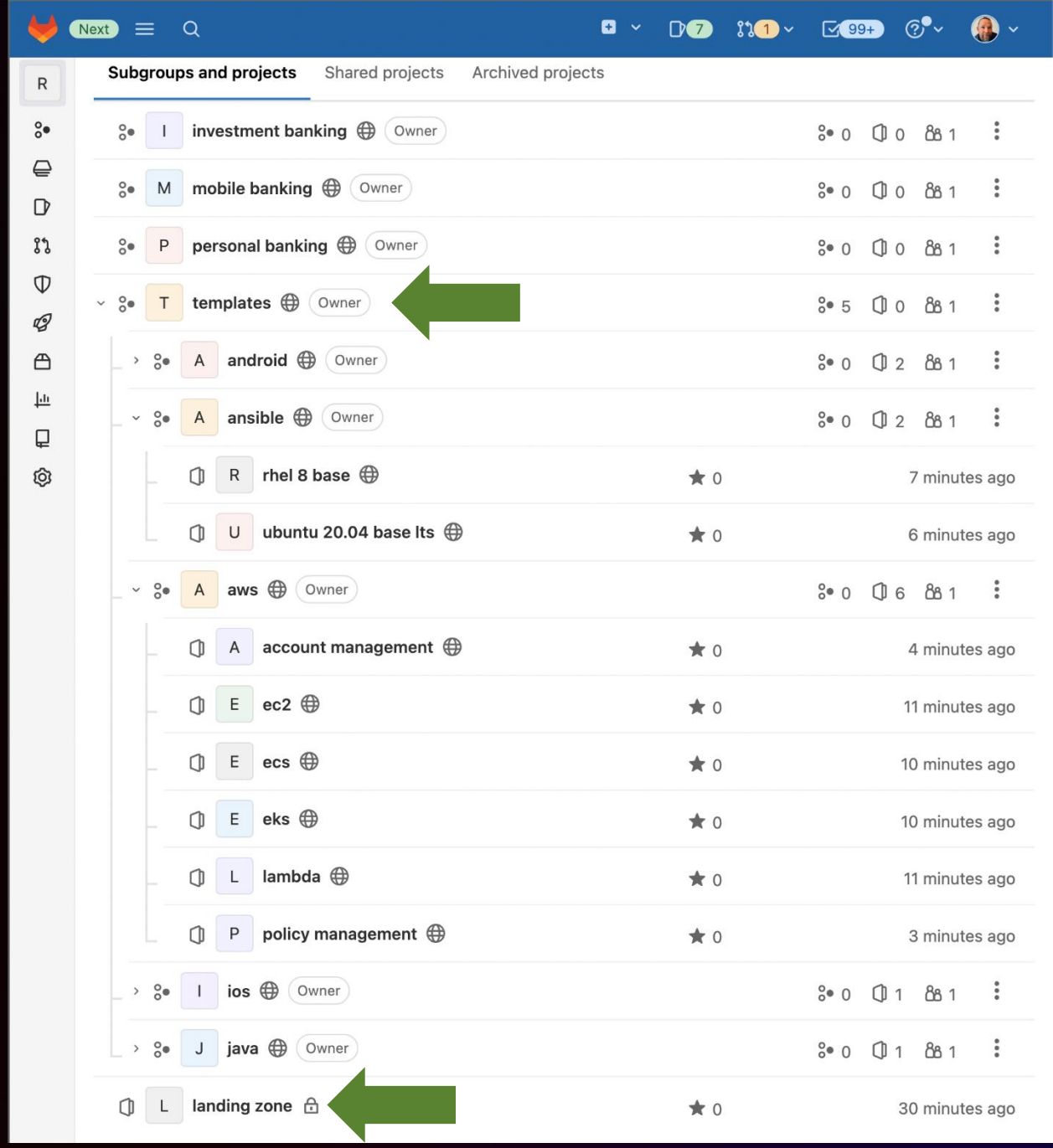
Landing Zone project templates



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GitLab group structure

- Root secure landing zone
- Provisioning templates
- Configuration templates
- Application templates

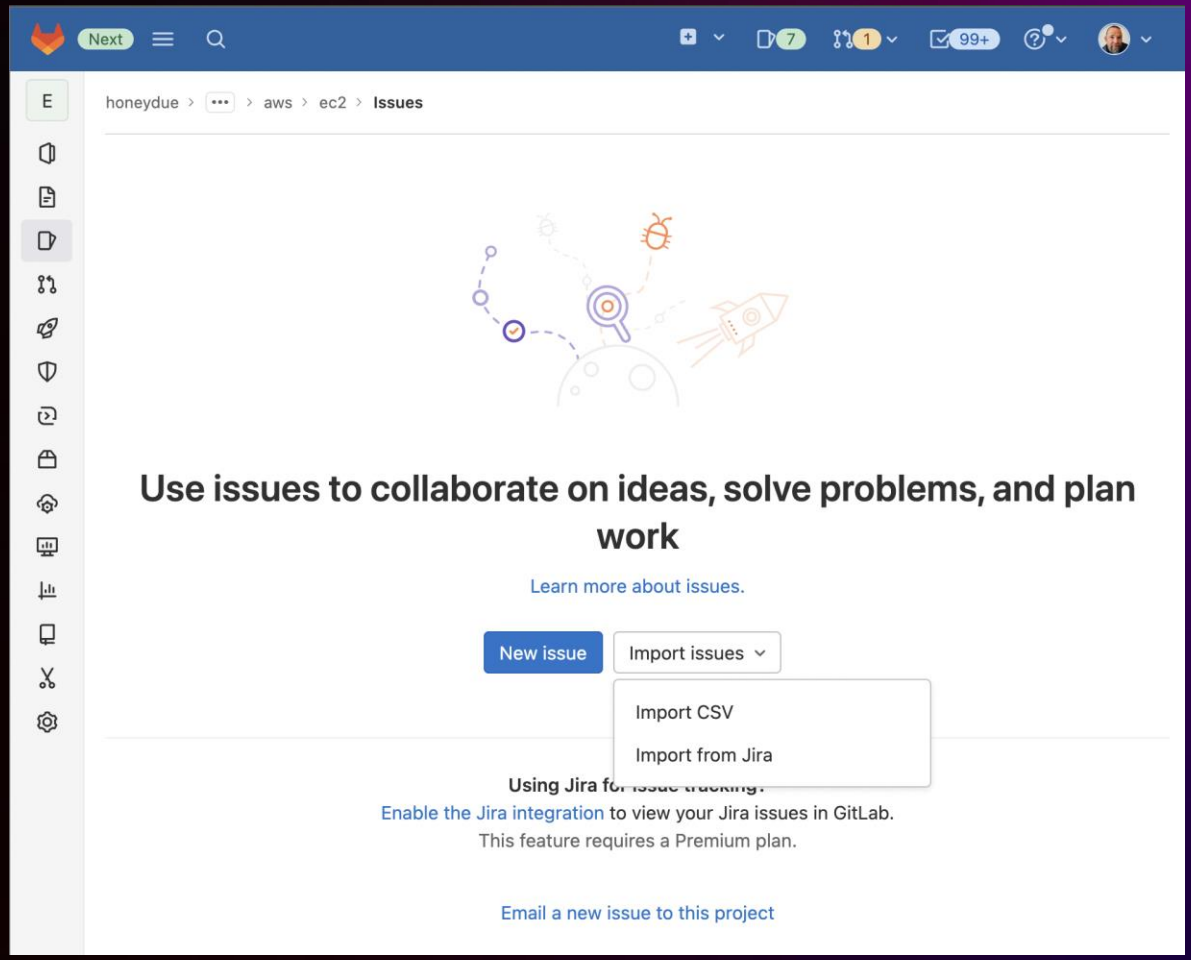


*Example project shown

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Planning best practices

- Project template issues are copied to new projects
  - Use common labels for automation
  - Use scoped labels to show advanced issue statuses
  - Use boards to show issue progression
- Integrate with existing Jira projects for ITSM
- Use CSV templates to create standard ITSM issues



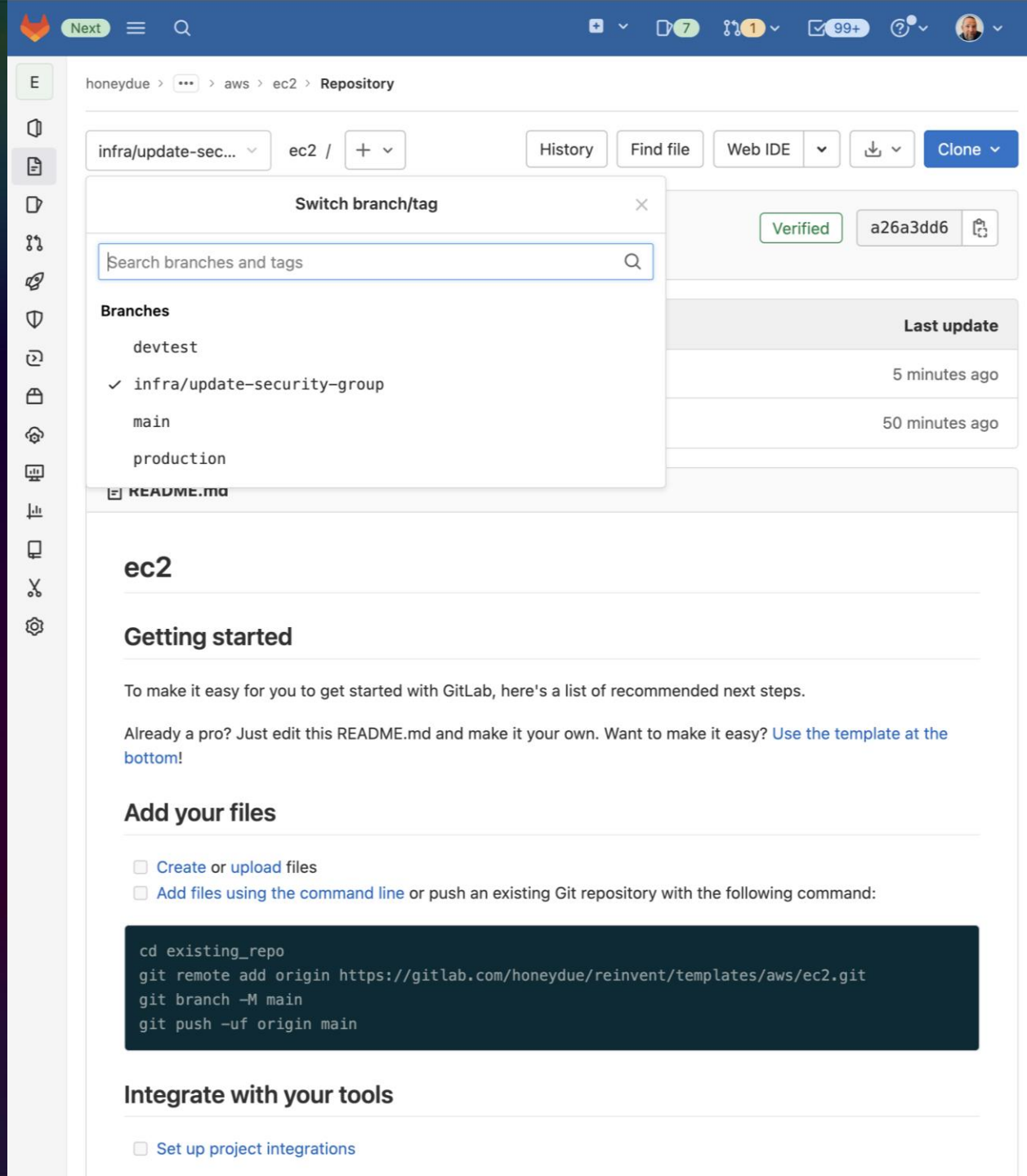
*Example project shown

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Branching strategies

- Branching strategies are required to fulfill change management tracking
- Using branching strategies allows automation to know when changes are specific to modify infrastructure

*Example project shown



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Git merge multiple repositories

```
:> git clone https://gitlab.com/honeydue/reinvent/mobile-banking/spring-boot-api.git
:> git clone https://gitlab.com/honeydue/reinvent/templates/aws/ec2.git

:> cd spring-boot-api
main:git > git remote add ec2 ../ec2
main:git > git fetch ec2 –tags
main:git > git merge --allow-unrelated-histories ec2/main
main:git > git remote remove ec2
```

aws

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Introducing refactor readiness

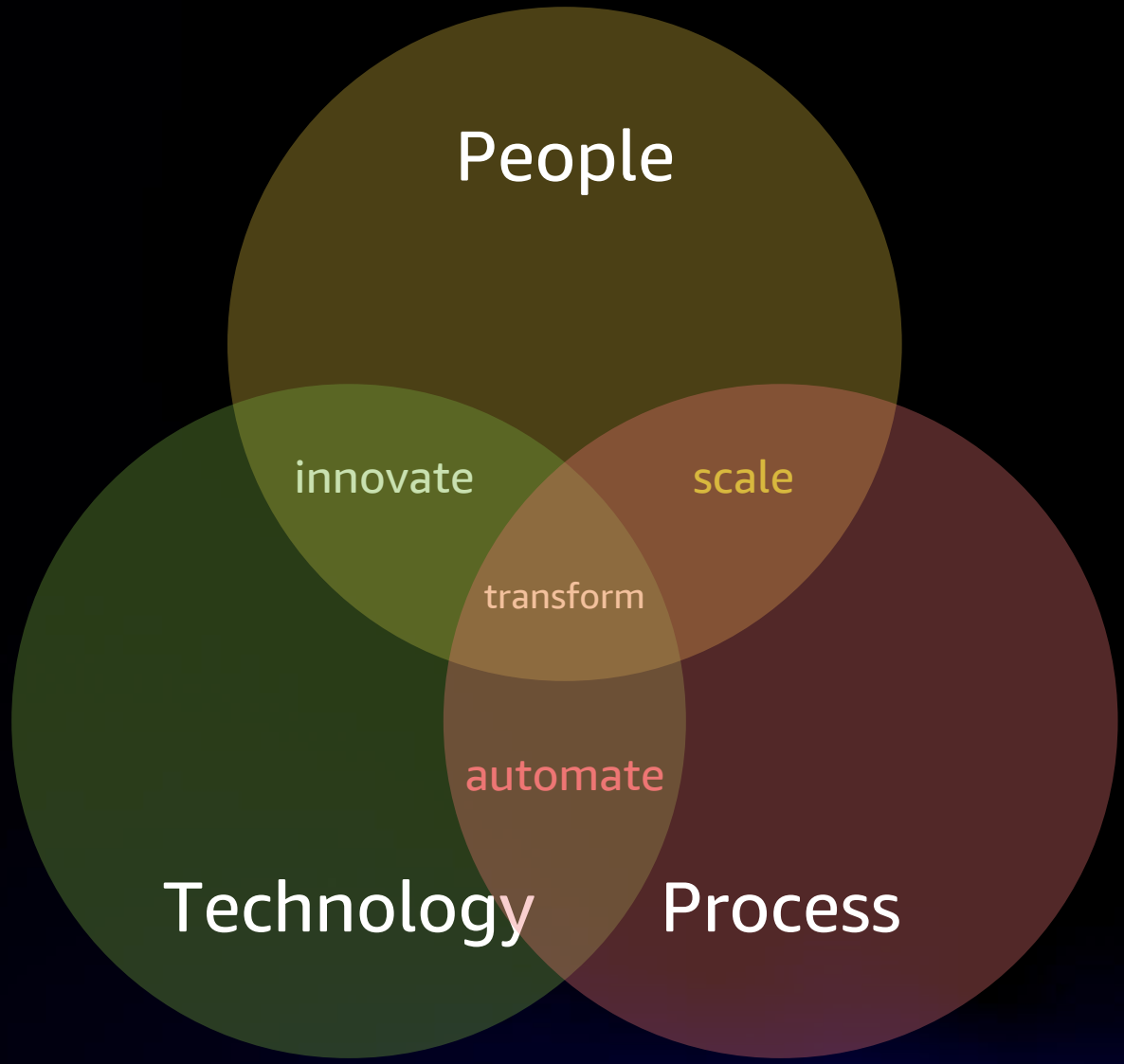
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Digital transformation

- Project-driven > task-based

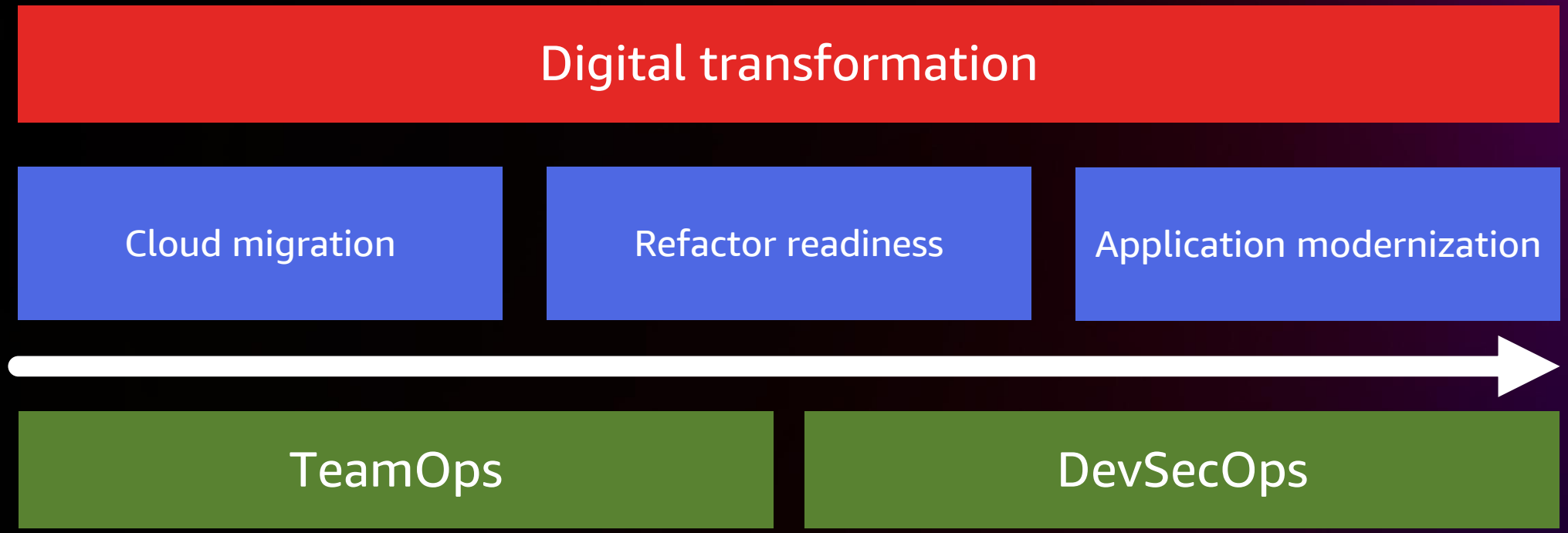
- versus -

- Product-driven > value-based



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Refactor readiness



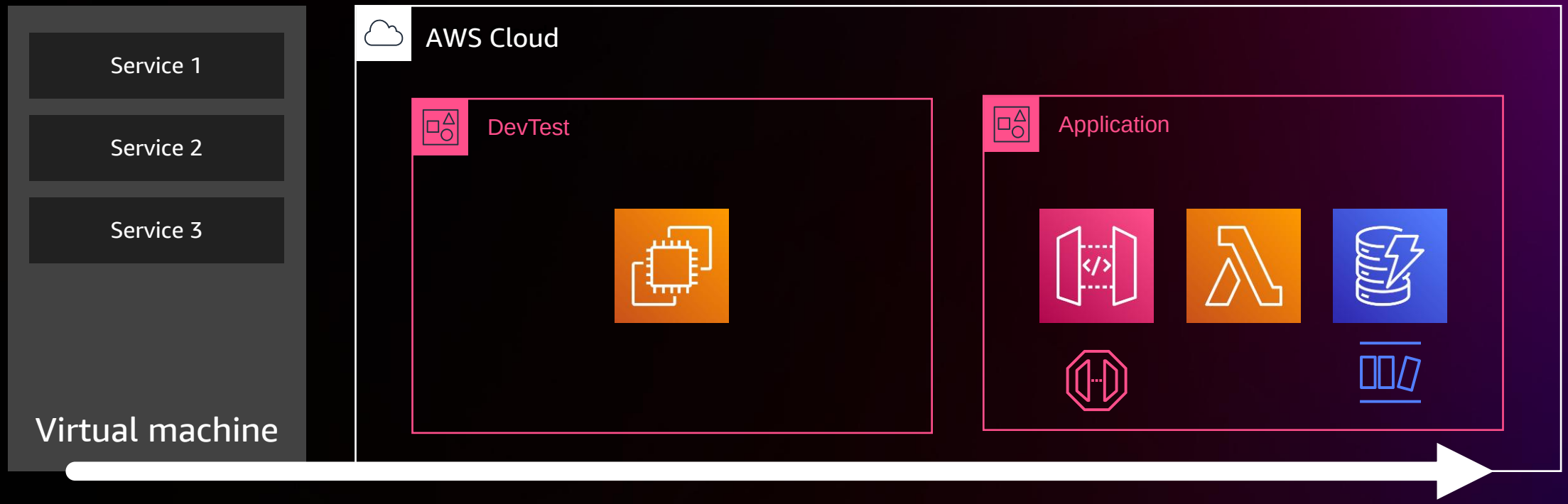
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Case study

VALUE STREAM: BUILDING A SECURE ON-RAMP TO THE PUBLIC CLOUD



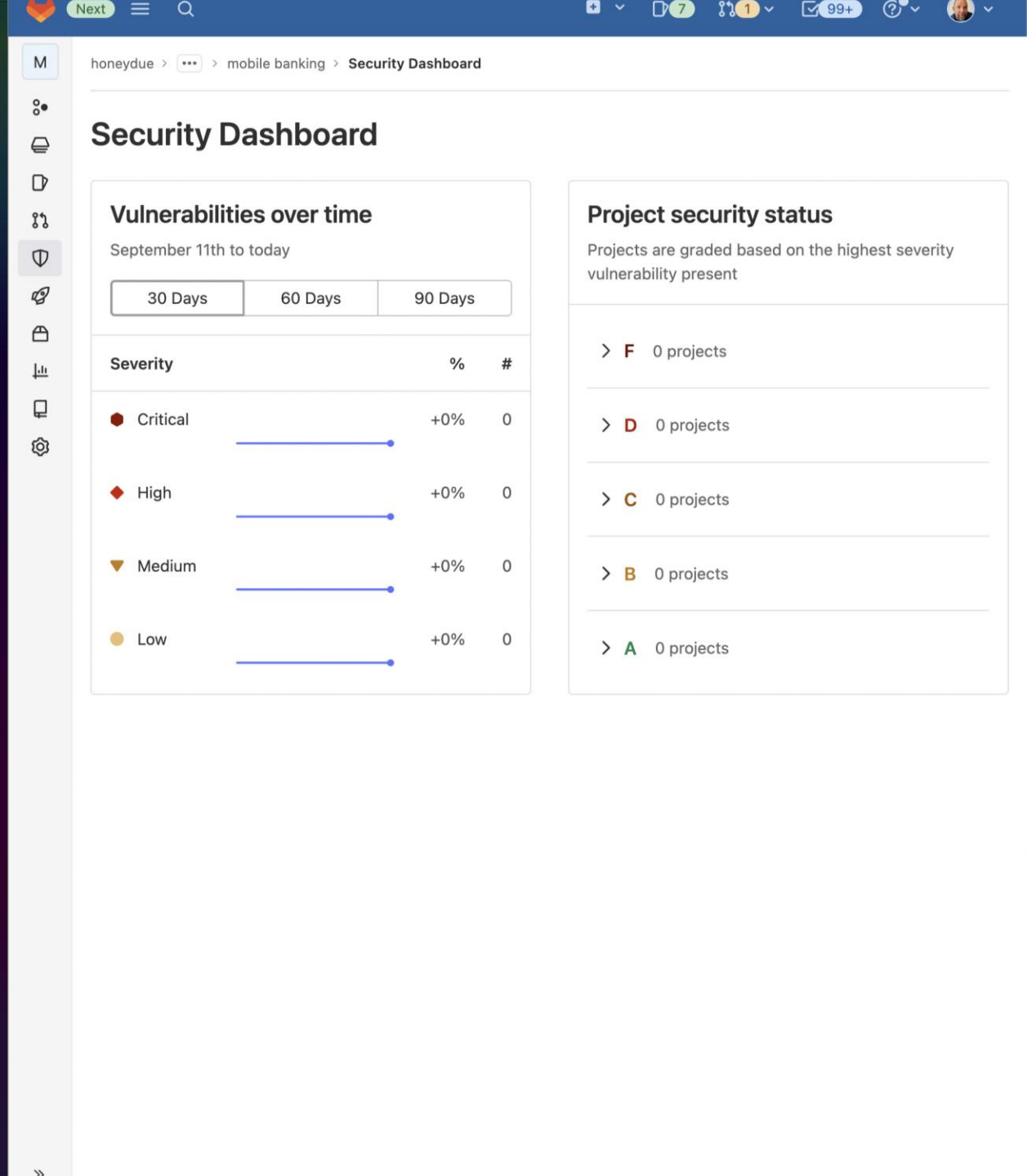
GitLab

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Building a secure on-ramp

Using built-in functionality in GitLab, security teams can enforce industry best practices from infrastructure to application vulnerabilities using compliance policies

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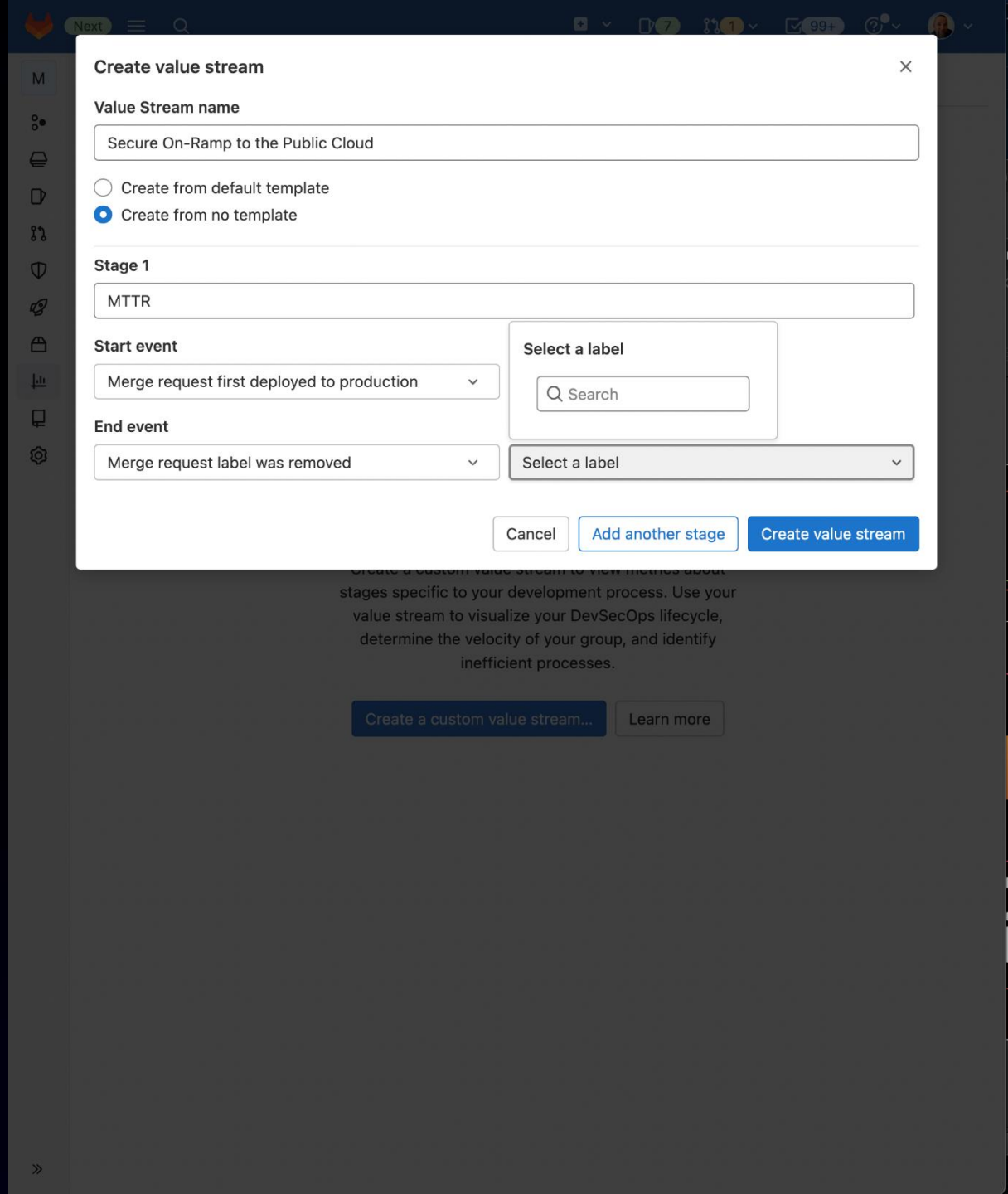


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Custom value stream measurement

Using project templates while aggregating data to groups and sub-groups allows teams to measure product outcomes over time

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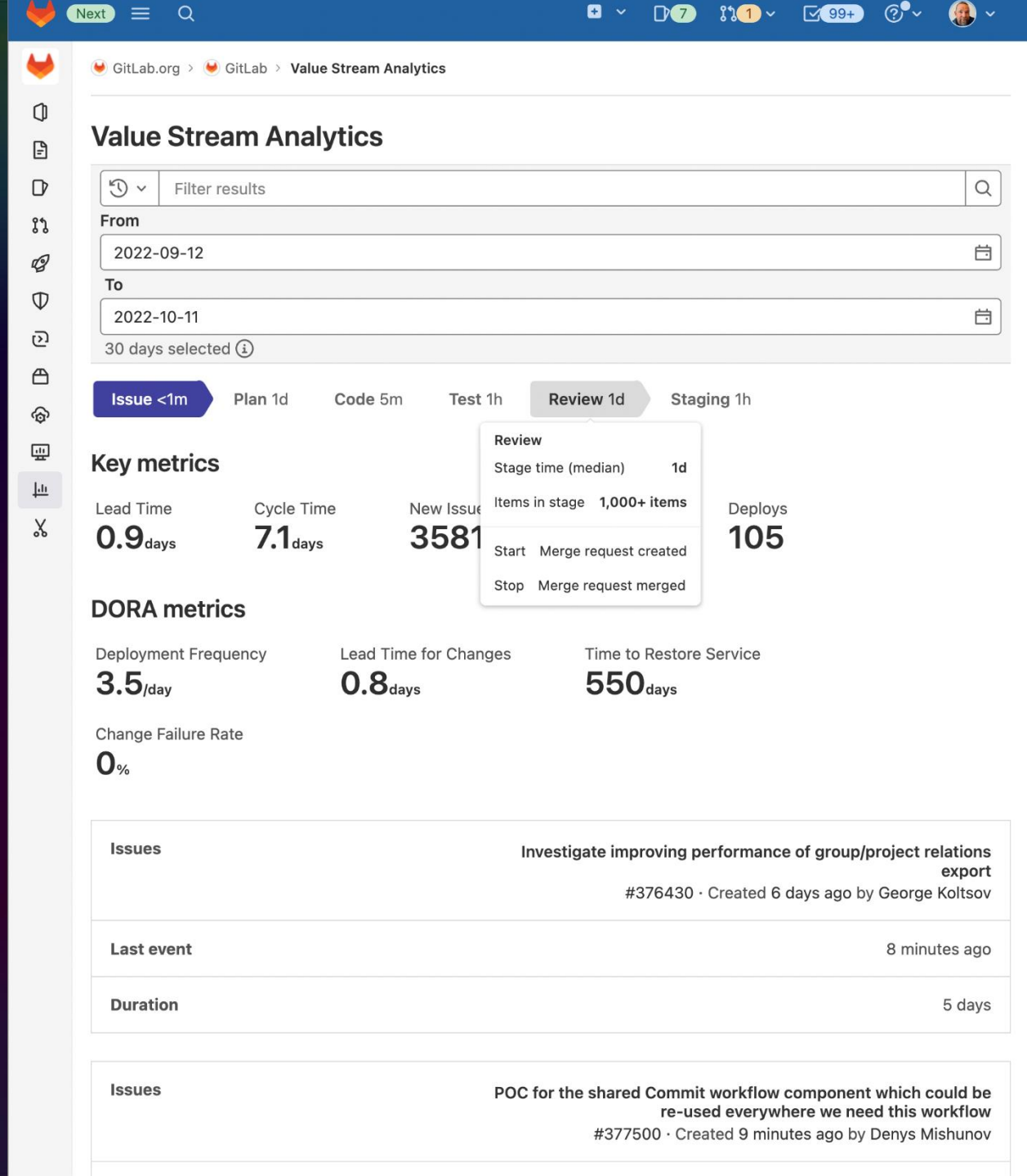


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Executive dashboards

Using customer value stream analytics, you can monitor the status of projects over time to evaluate applications and grow high-performing teams

*Example project shown



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