CDE @Etat du Valais

Empower Developers to do whatever they want
whenever they want

but in a secure way!

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Agenda

- Context

- The starting point

- Why a CDE

- What's behind the scene

- And now ?

- Questions

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Context SCI@Etat du Valais

- 90 IT FTEs for more than 50 business services

  - Small internal dev. Teams

- A Strategy based on external products

  - Buy standard Product when possible

  - External partners create and maintain custom products

- Integration team, providing

  - Common API's (services, sso)

  - A Platform allowing any int/ext teams to develop, deploy and manage products securely

- Managing secured access to platform ressources

  - git, oc, quay, elk, api's and so on

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Strategy implication for developers

◢ Manage access to platform resources and Api's

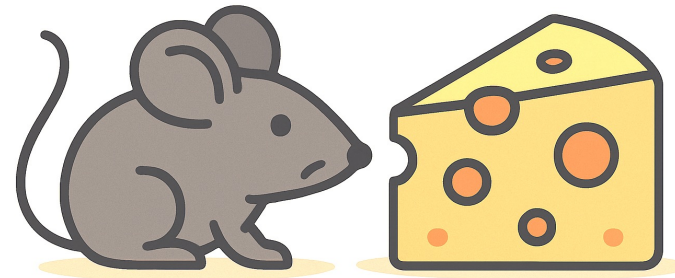◢ Ensure secured external access
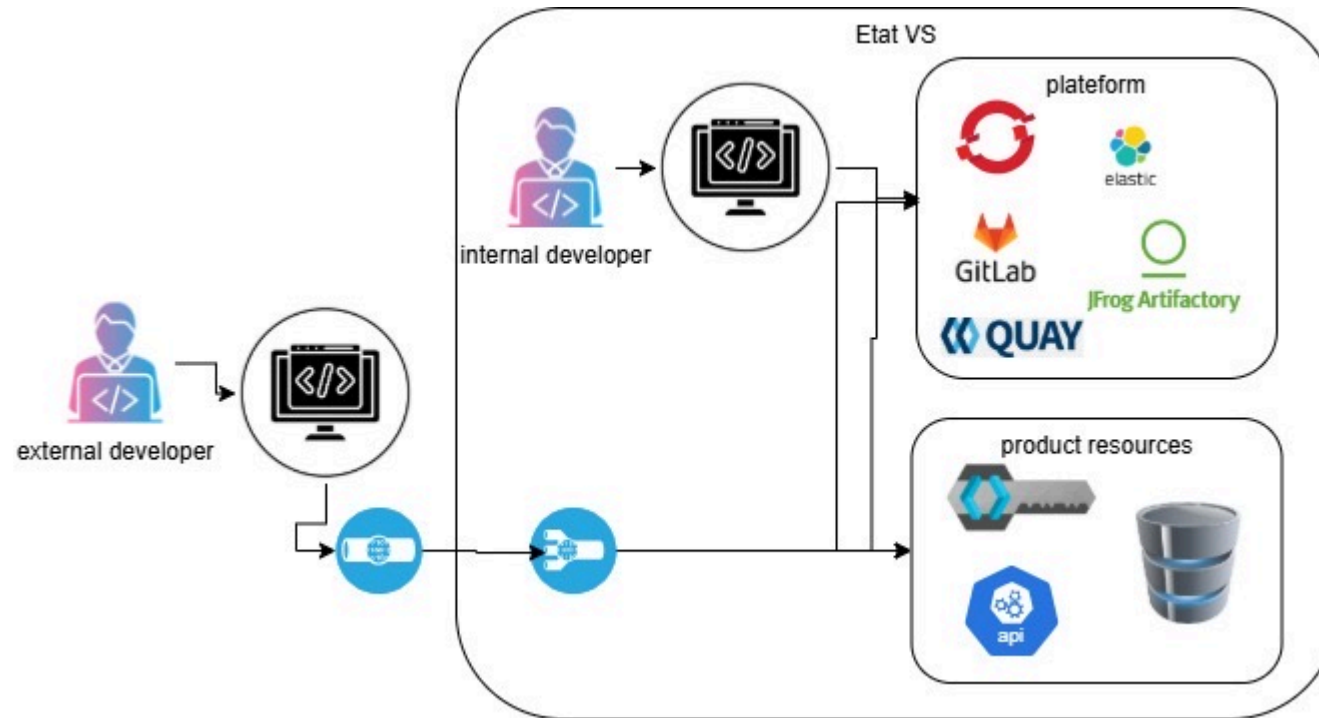
The starting point

▲ Tickets, tickets, tickets !
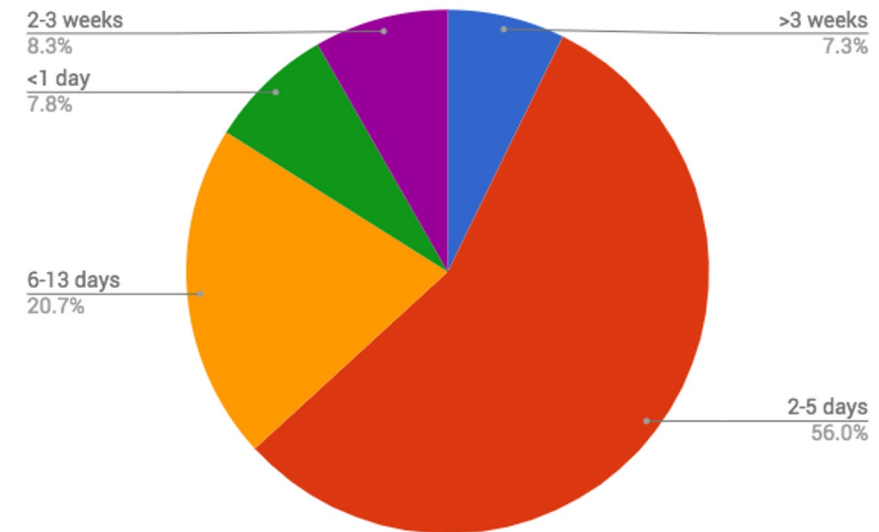
▲ Tunnels, tunnels, tunnels !

…

- ◢ Increasingly external partners

- ◢ Important onboarding delays

  - 5 to 10 days at average (by us, 3 weeks…)

Pie chart: 2-5 days 56.0%, 6-13 days 20.7%, 2-3 weeks 8.3%, <1 day 7.8%, >3 weeks 7.3%

- ◢ Poor user experience

  - And very long internal processes

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The Dev environment nightmare

▲ Dev environment at the age of cyber security

  • Dev : need internet access, running container locally

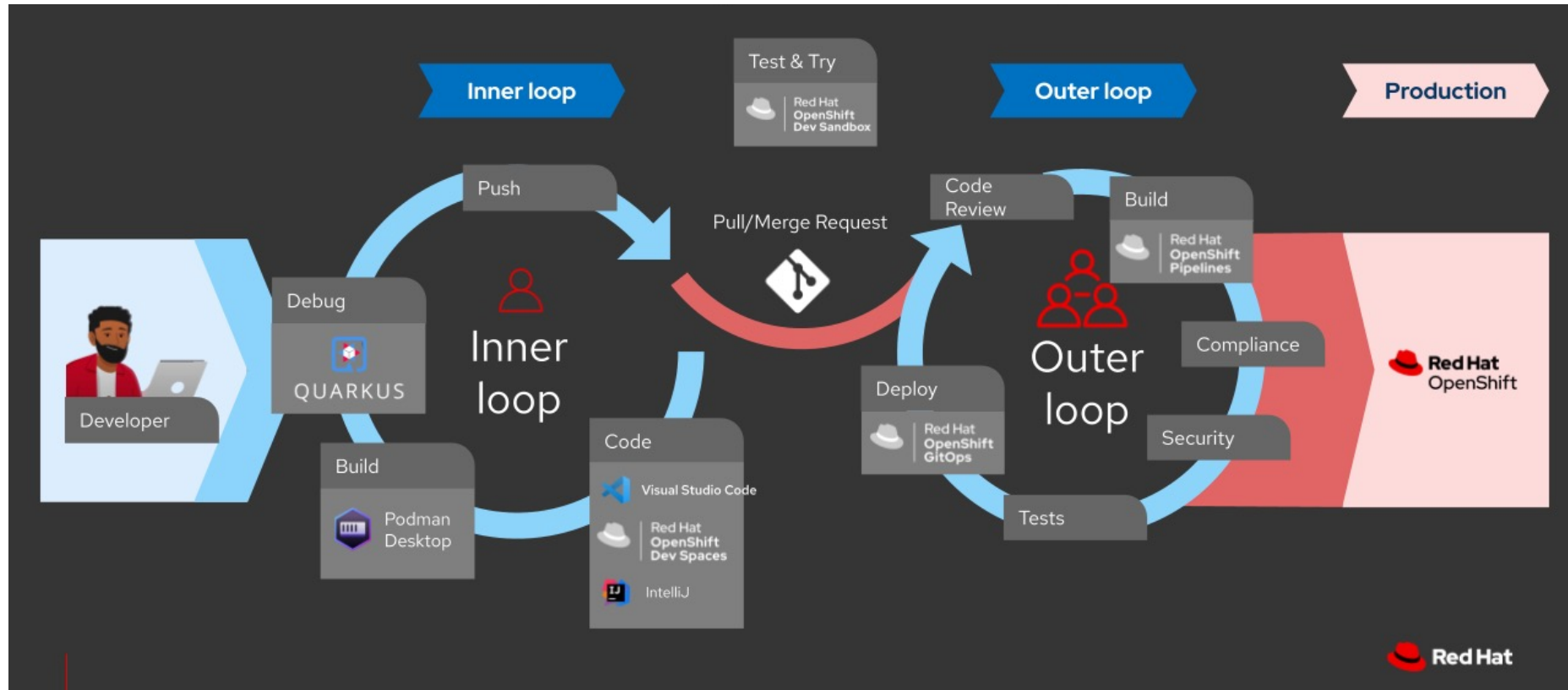 • Sec : need to secure dev desktop – can't run anything on dev desktop.

orient●

Cyber Security   VS   Software Engineering
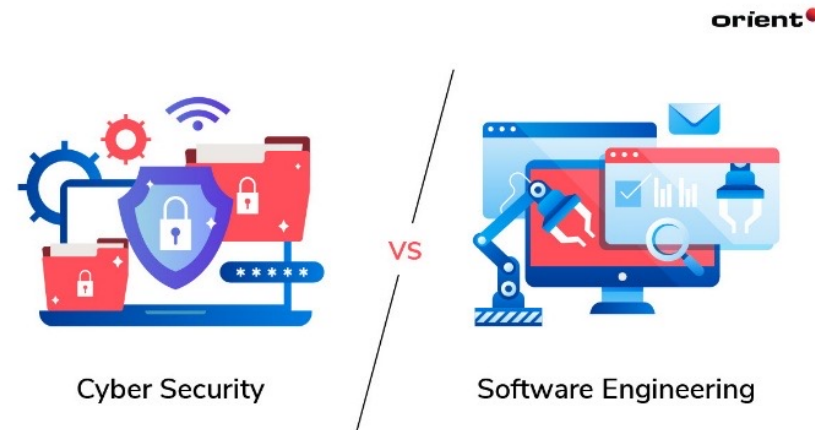
▲ IDE and SDK lifecycle

▲ Time for project onboarding (developer ready to work) when working on many projects with different technologies
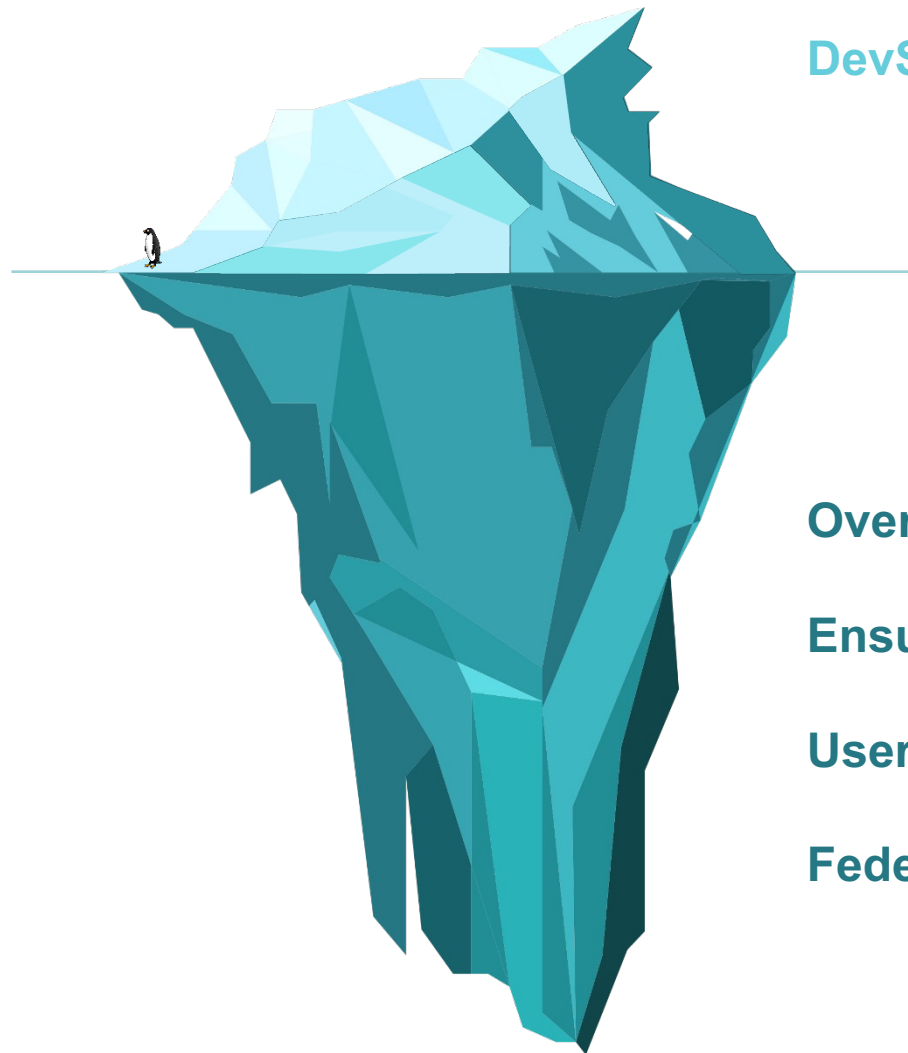
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Why a CDE ?

▲ Dev: Simplify the Inner loop   PM : make them happier ☺

▲ Mitigate the « but it works on my laptop » syndrome
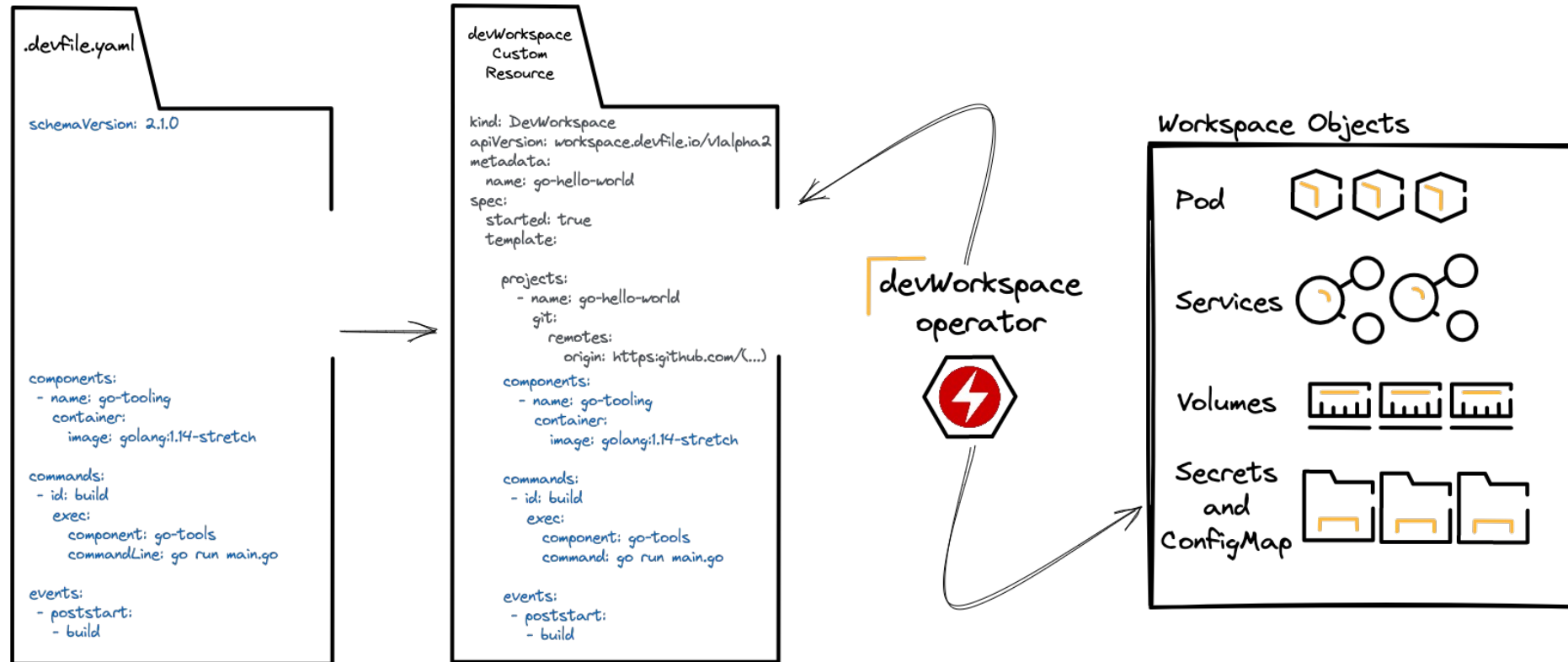
Behind the scene 1/2

DevSpaces

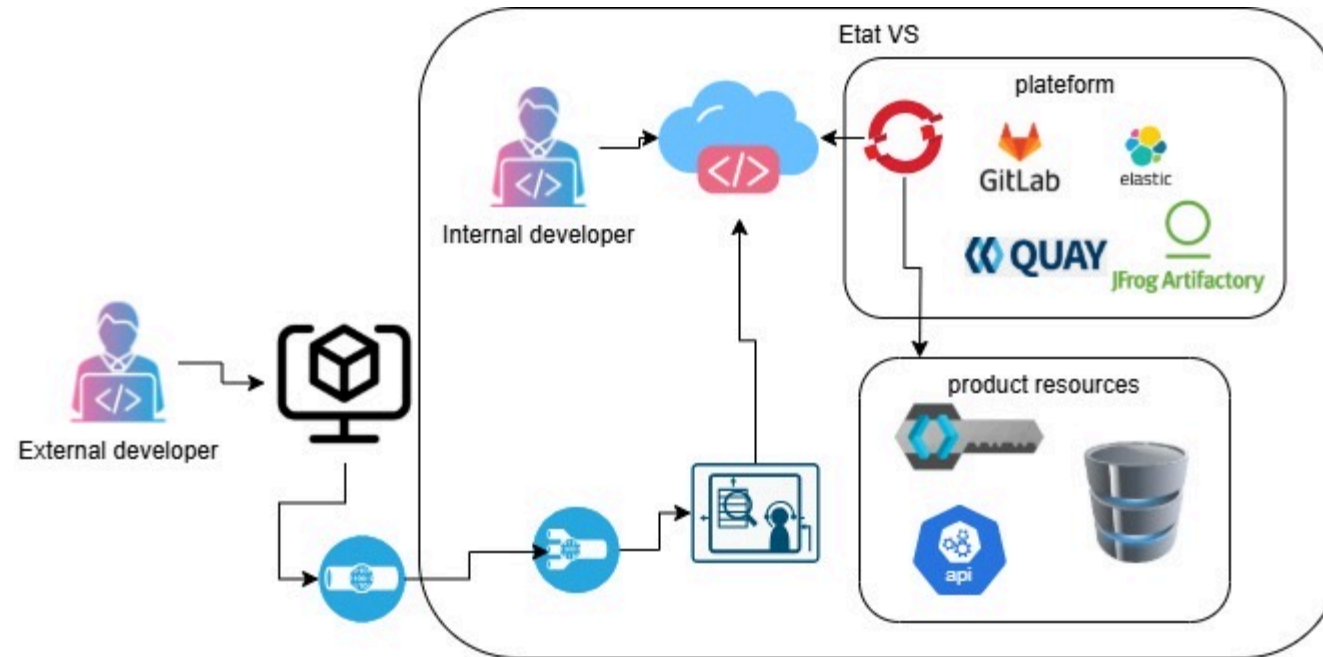**Overall onboarding process (r)evolution**

Ensure security compliance

User acceptance

Federate the team

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Behind the scene 2/2

The result: a more efficient dev environment

Time for the show ?

And now ?

Dev Team acceptance

IDP (Internal Developer Platform)

Images management

Thank you !

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