

Scaling Up by Scaling Down

Nordea's Kubernetes Journey Continues

Pavol Hronsky

Nordea



What advice would I
give teams that are
just starting their
container journey?

Early **2020** non-production and production split



1/1 clusters

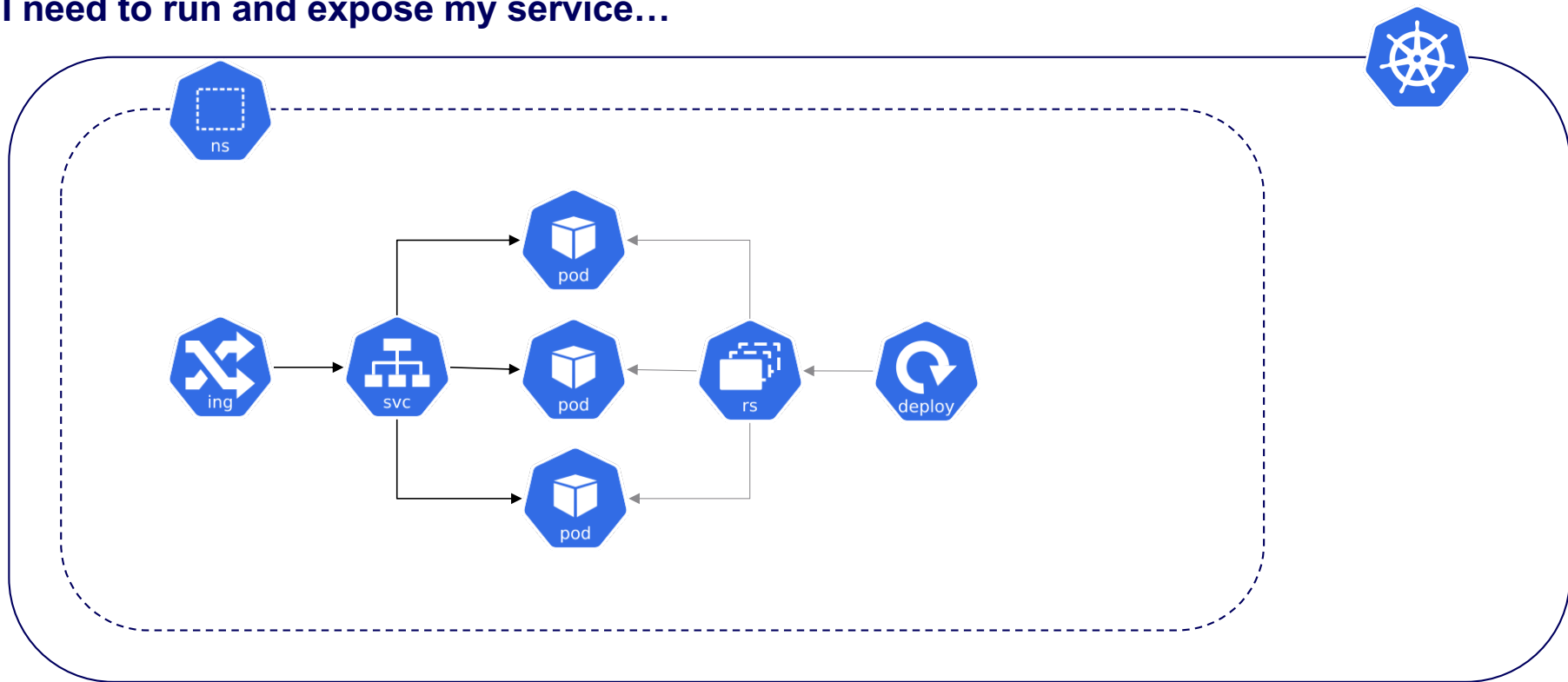


30/10 projects



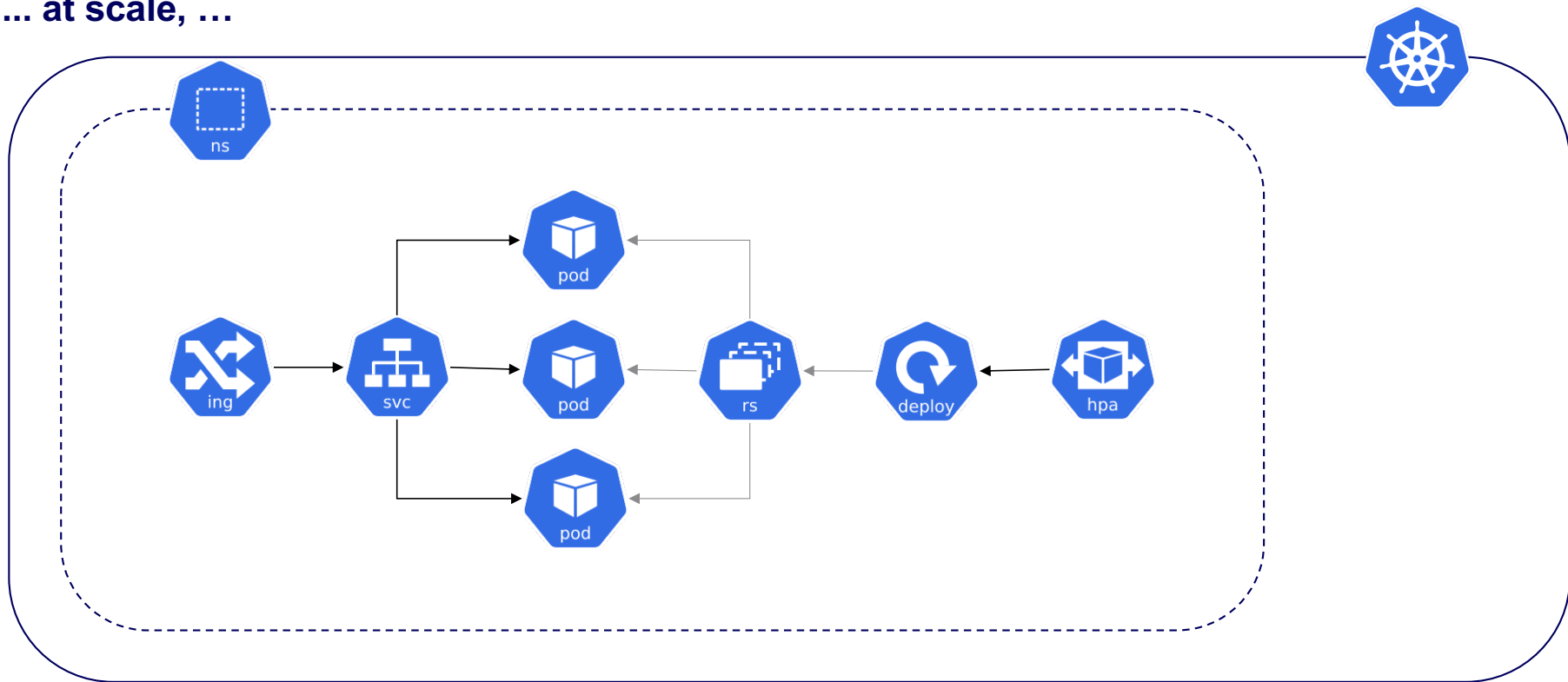
500/150 pods

I need to run and expose my service...



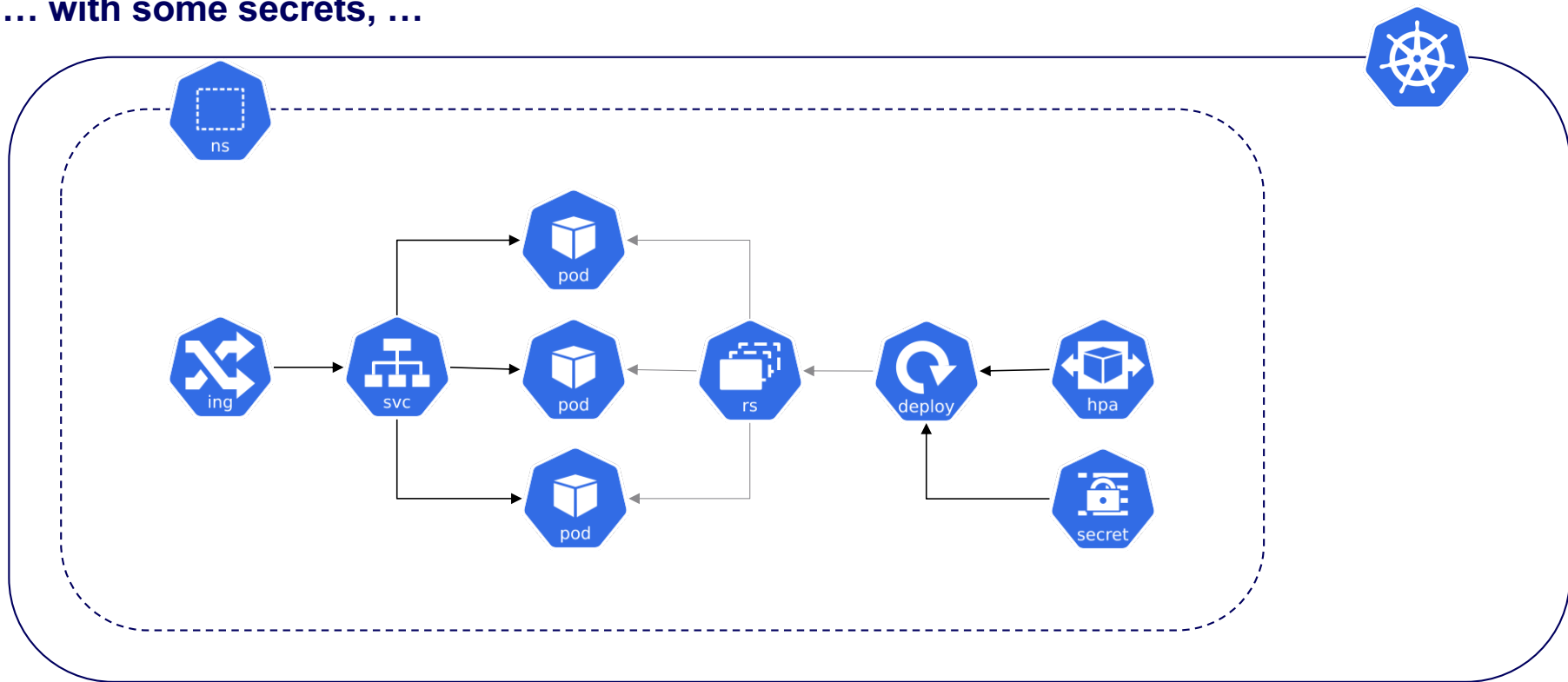
4 Inspired by <https://github.com/kubernetes/community/tree/master/icons>

... at scale, ...



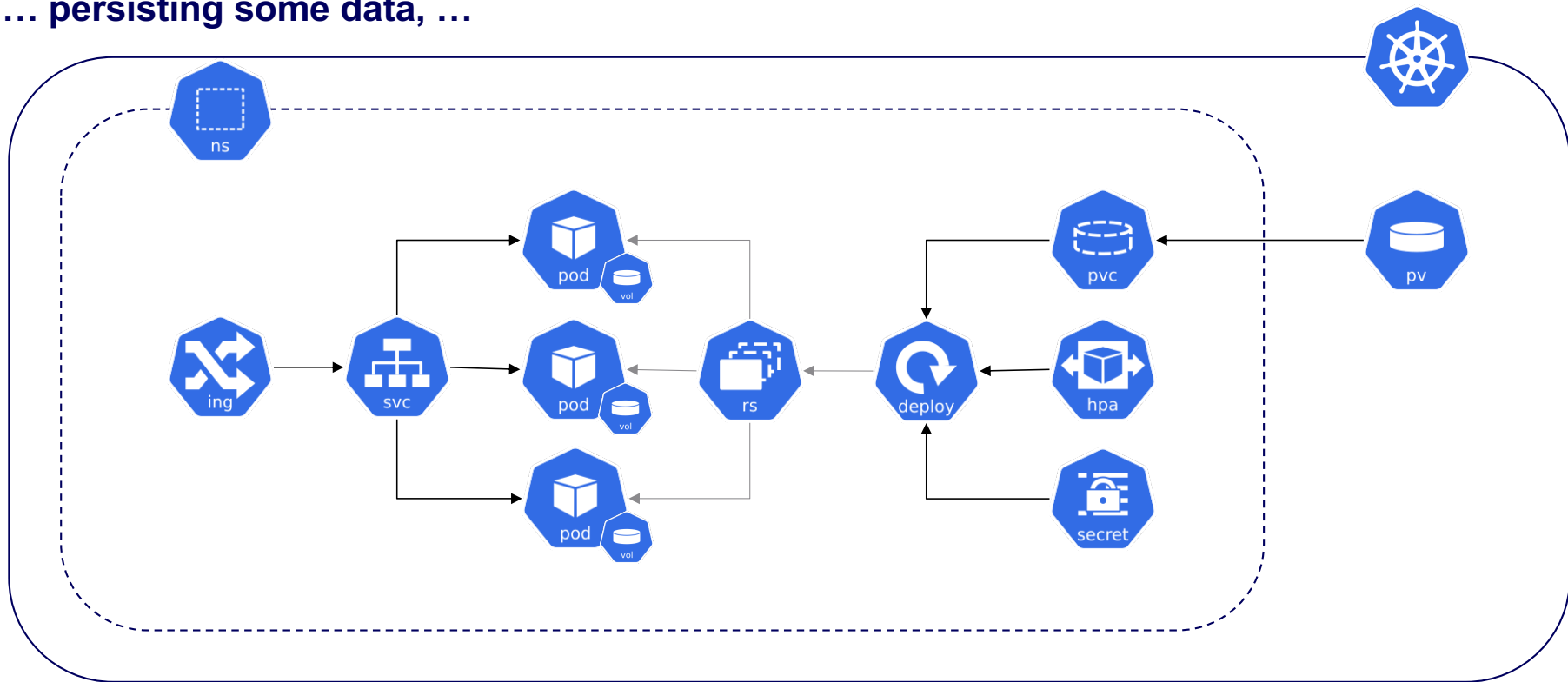
5 Inspired by <https://github.com/kubernetes/community/tree/master/icons>

... with some secrets, ...



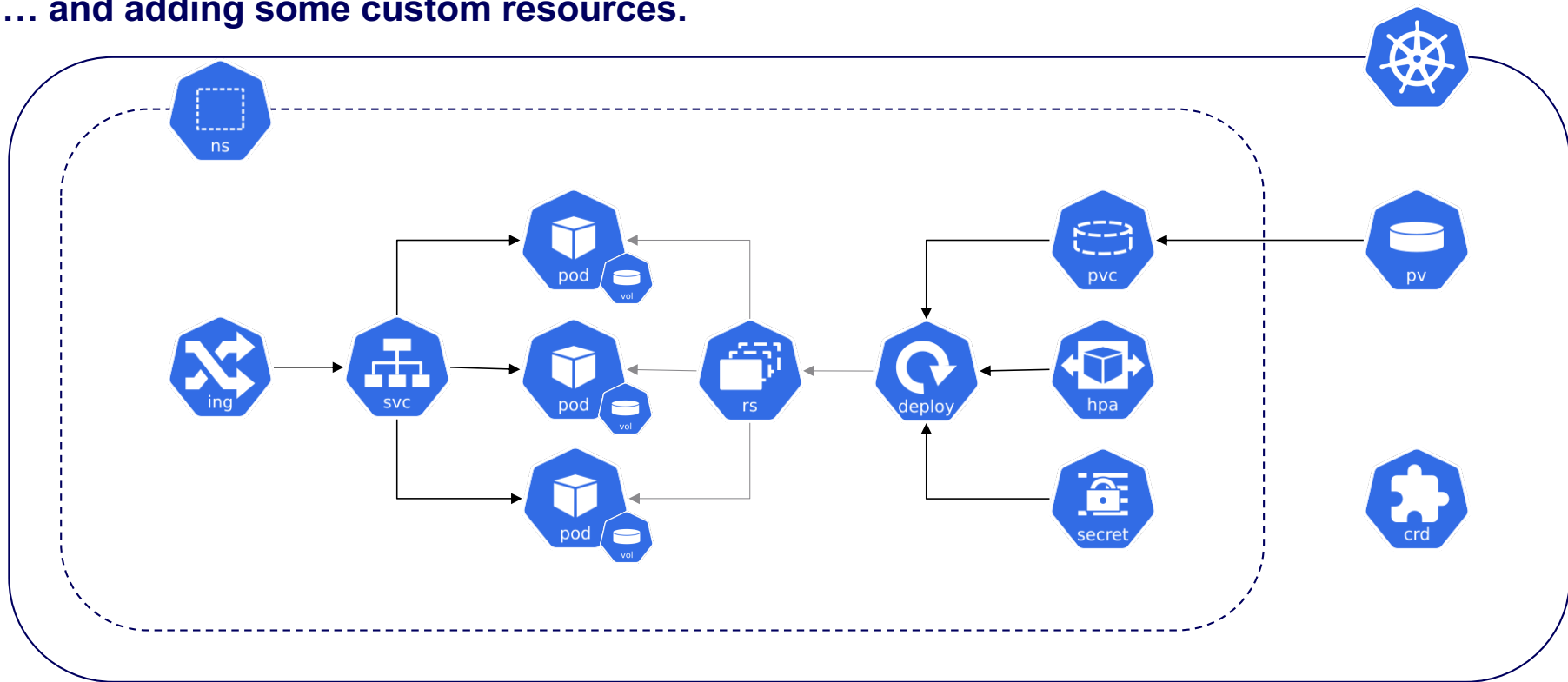
6 Inspired by <https://github.com/kubernetes/community/tree/master/icons>

... persisting some data, ...

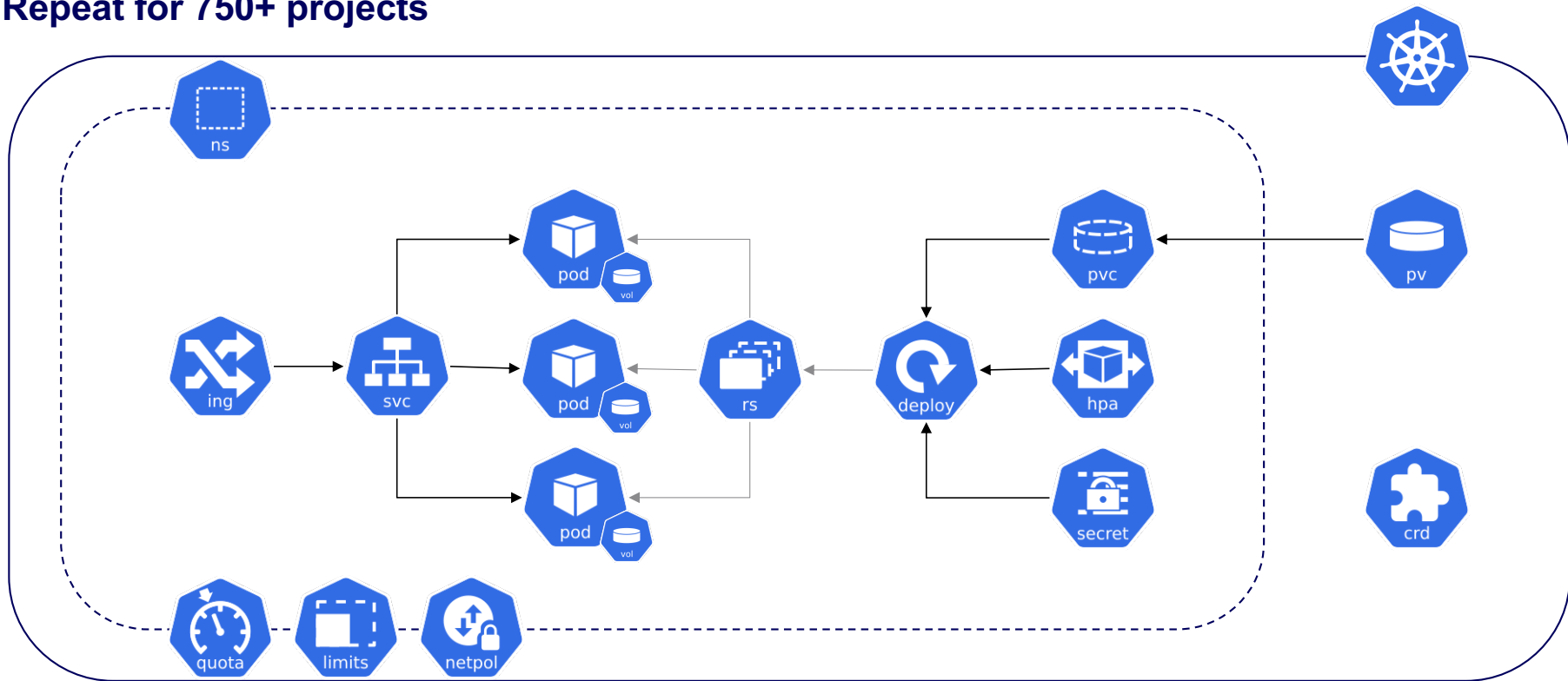


7 Inspired by <https://github.com/kubernetes/community/tree/master/icons>

... and adding some custom resources.



Repeat for 750+ projects



9 Inspired by <https://github.com/kubernetes/community/tree/master/icons>



Our goal was to grow

Early **2025** non-production and production split



21/9 clusters



750/400 projects

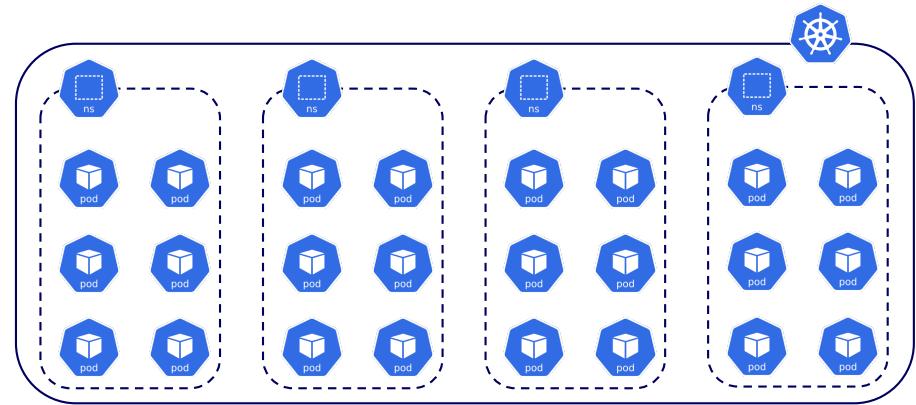


25,500/10,500
pods

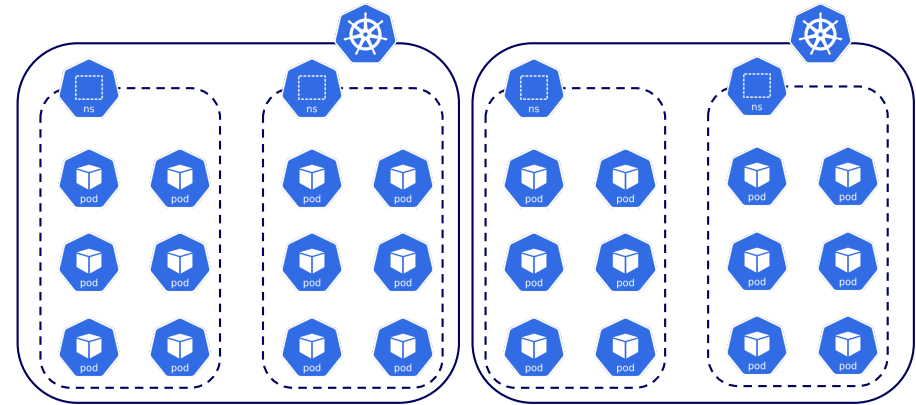


With great ~~power~~
growth come great
~~responsibility~~ *challenges*

Blast radius

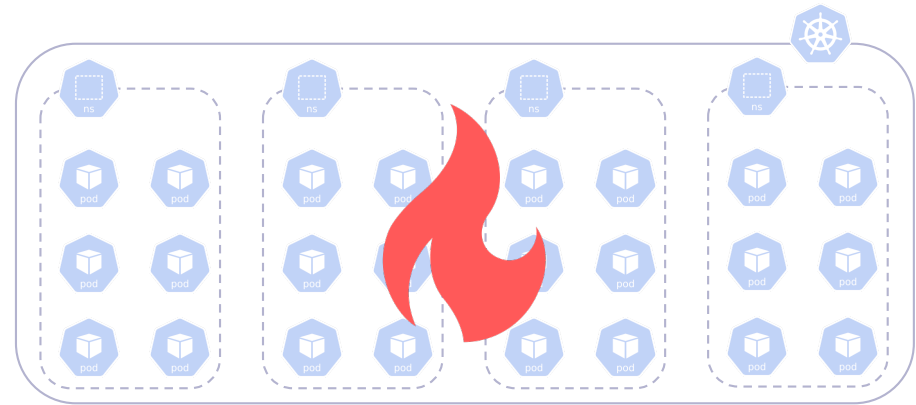


VS

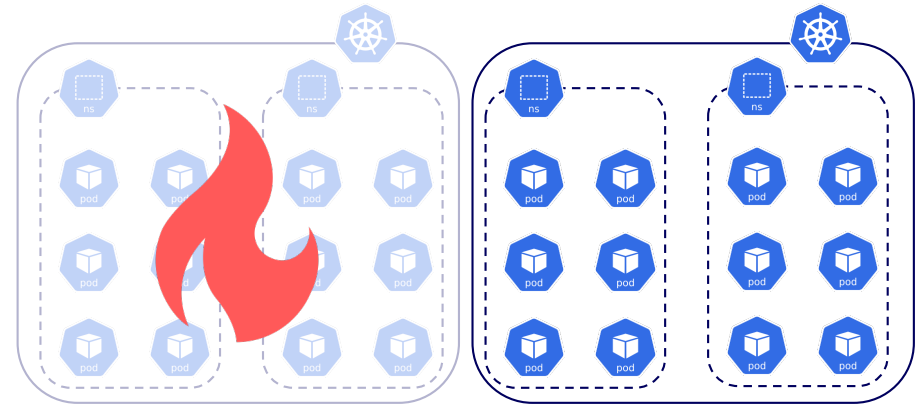


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Blast radius



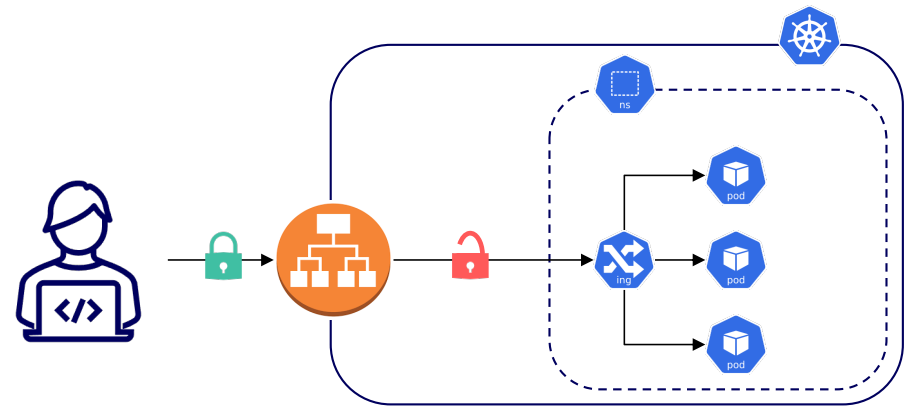
VS



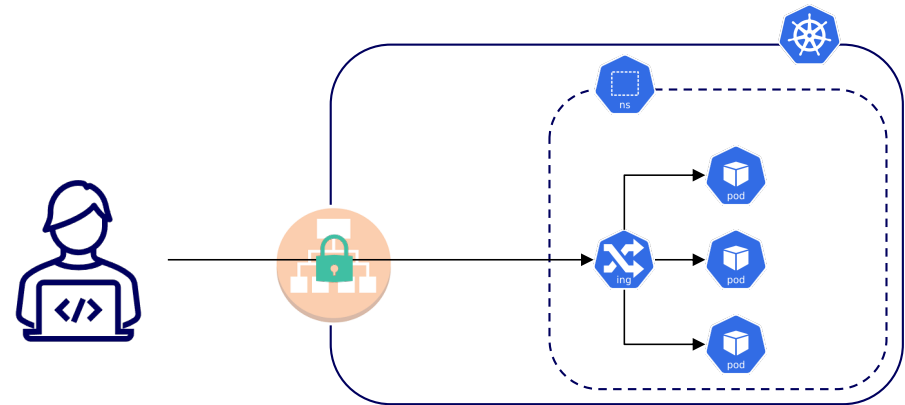
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Blast radius

Various needs of data encryption



VS

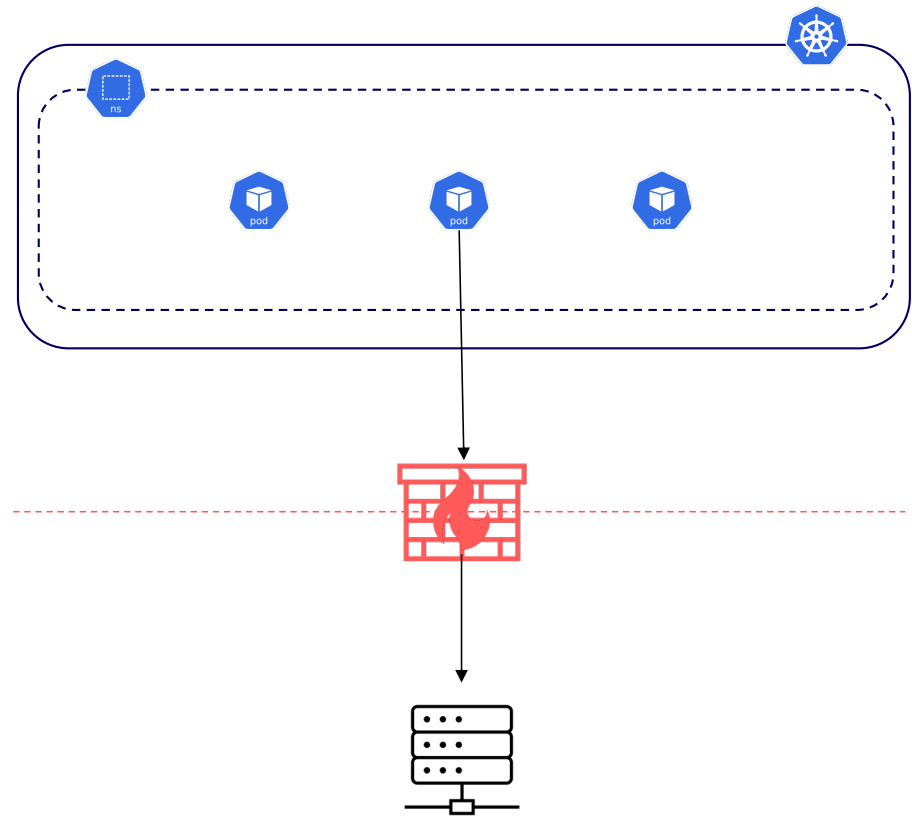


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Blast radius

Various needs of data encryption

Cloud-native platform inside a traditional organization





Create the best
Developer Experience

We treat platform as our product,
engineers our customers

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engineers our customers

- Provide real value
- Act on a feedback from customers
- Don't get distracted by shiny new technology

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We standardize and tackle shared
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- Reduce friction areas
- Remove slowdowns in development

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We are a glue that saves time

- Design technology integration patterns (golden paths)
- Smooth self-service workflows
- Bring toolchains together

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- Unify and simplify CI/CD flows
- Actually, much more than just CI/CD and runtime: common reporting, regulation, audit... a gateway to the rest of the organization

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A portrait of a young man with short brown hair, smiling, wearing a black t-shirt. He has his arms crossed. The background is a blurred industrial or workshop setting.

Thank you!

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