

Intent-based holistic (data center) infrastructure management

OpenInfra Summit Berlin 2022

Christian Berendt, 8. June 2022



Who am !?

- Christian Berendt
- OpenStack for over 10 years



Who are we?

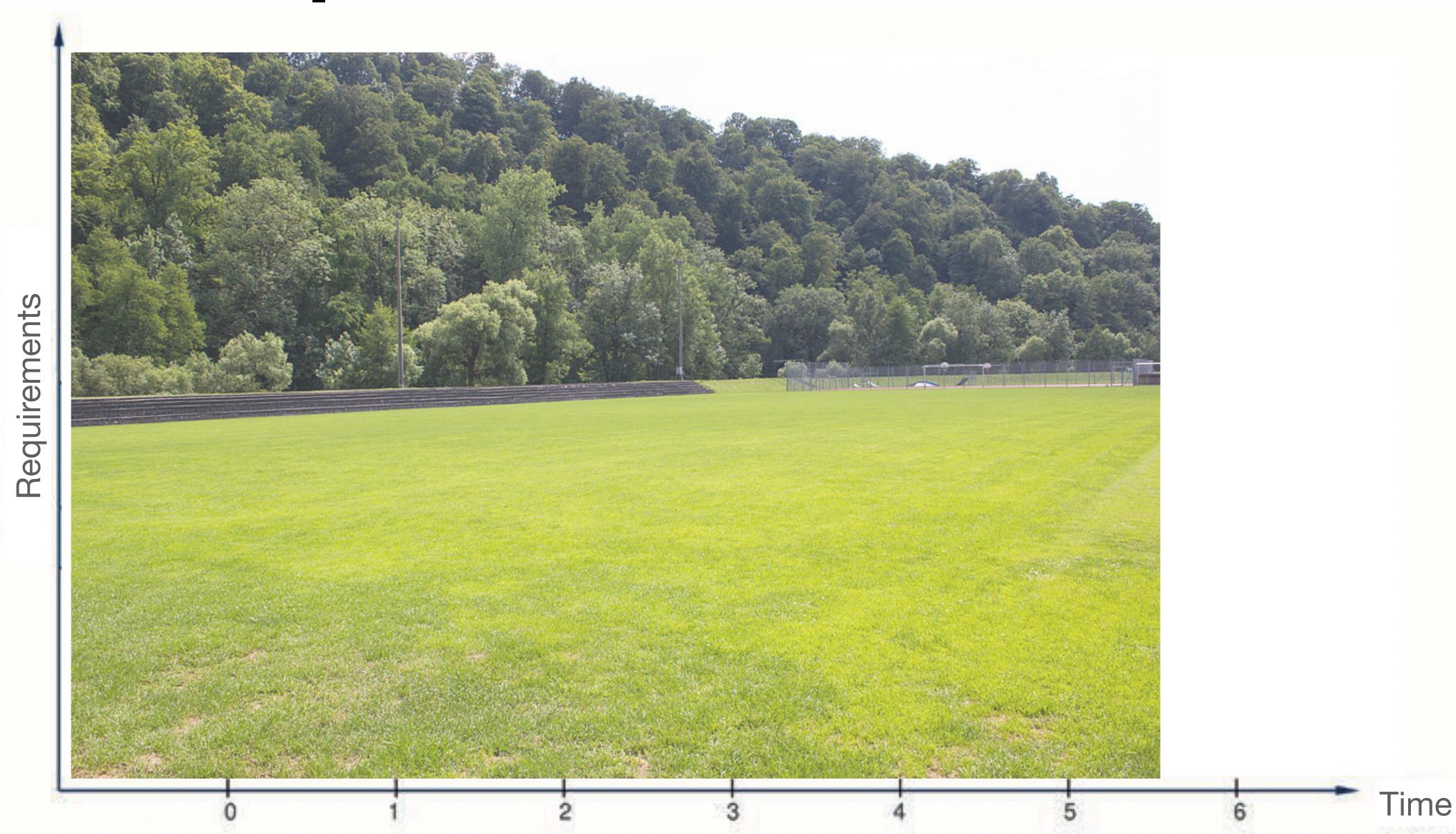
- OSISM
- OpenStack experts from Germany
- In business for over 5 years
- Here to establish the Sovereign Cloud Stack in Europe



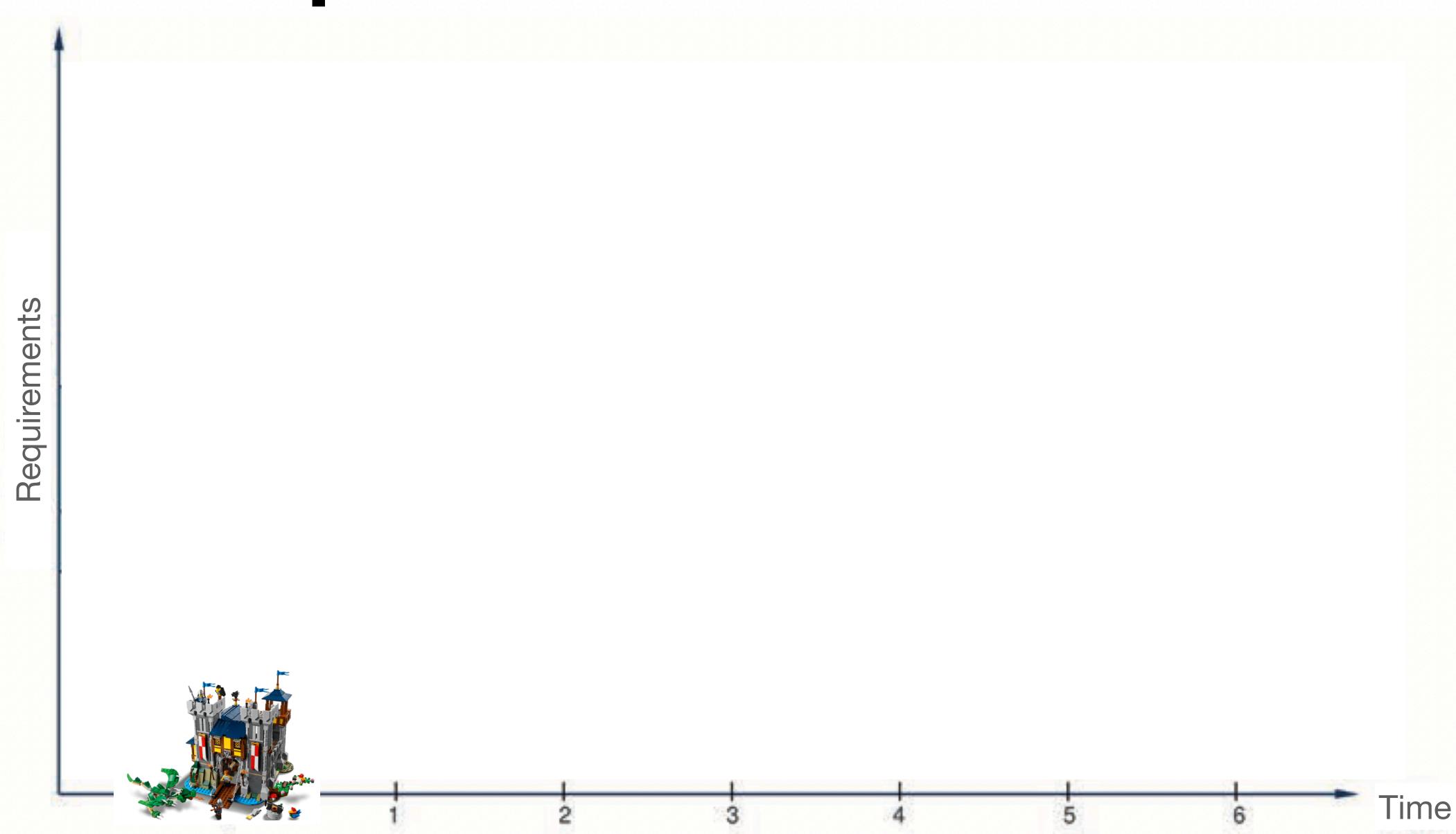




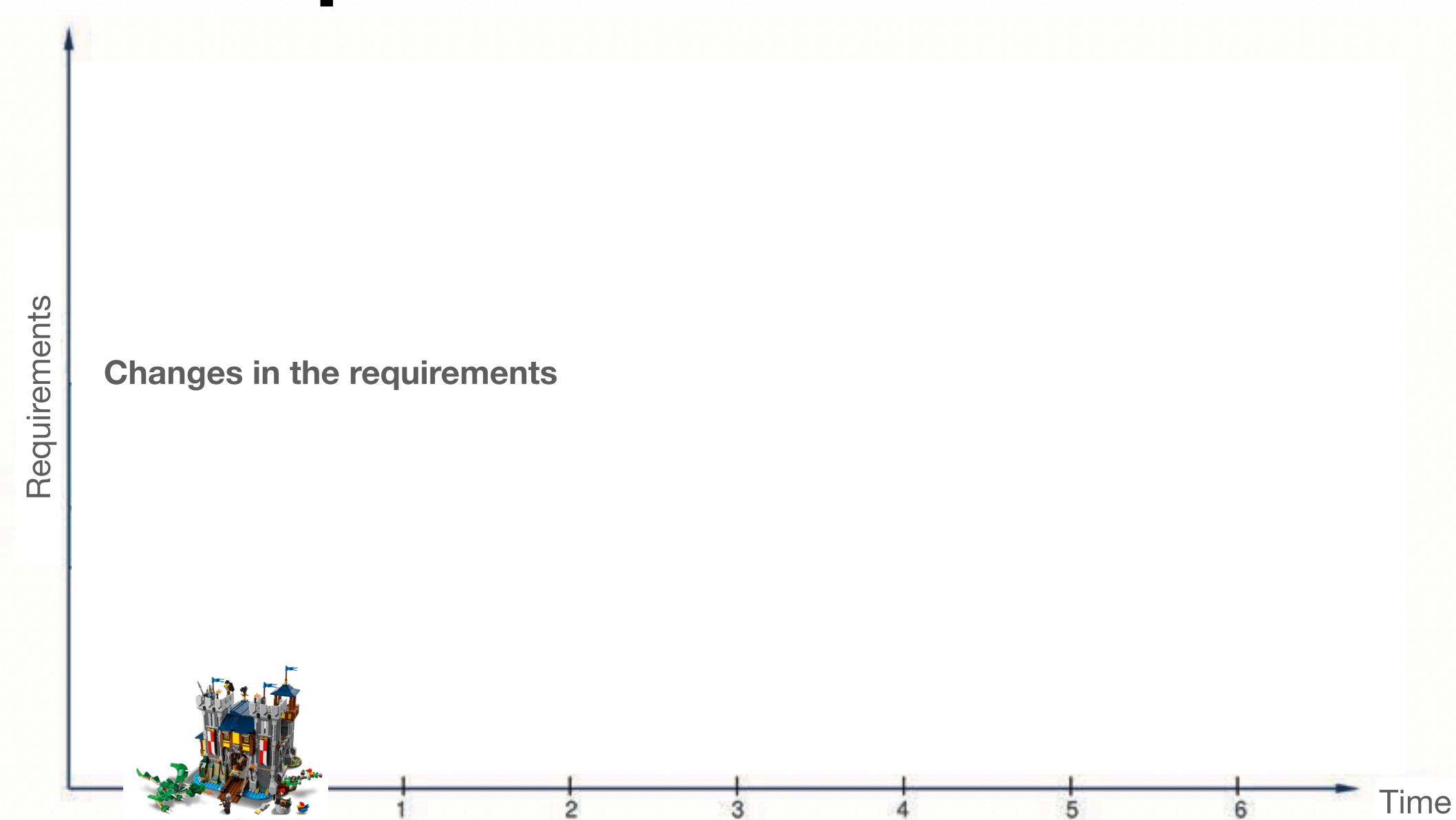




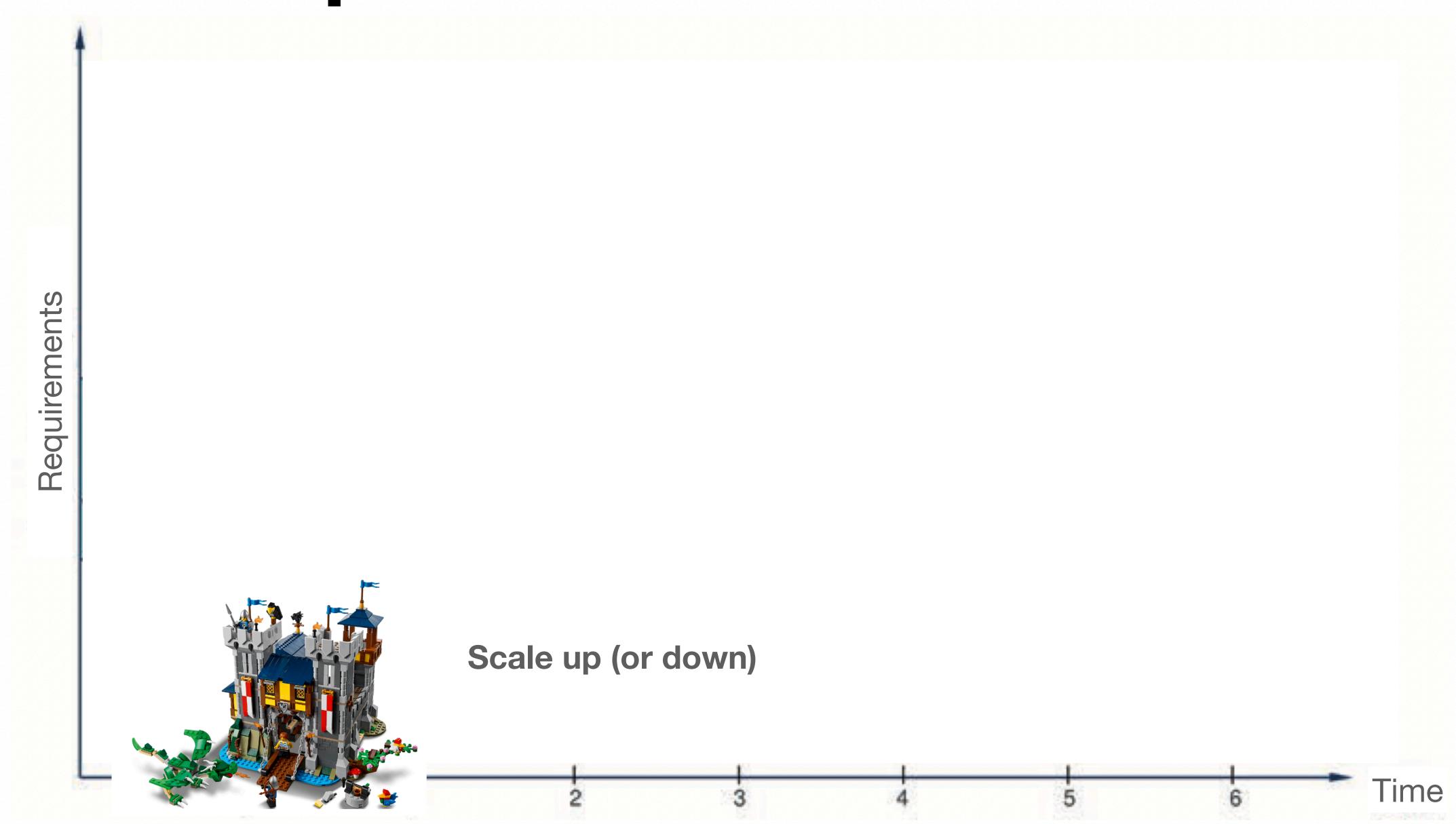






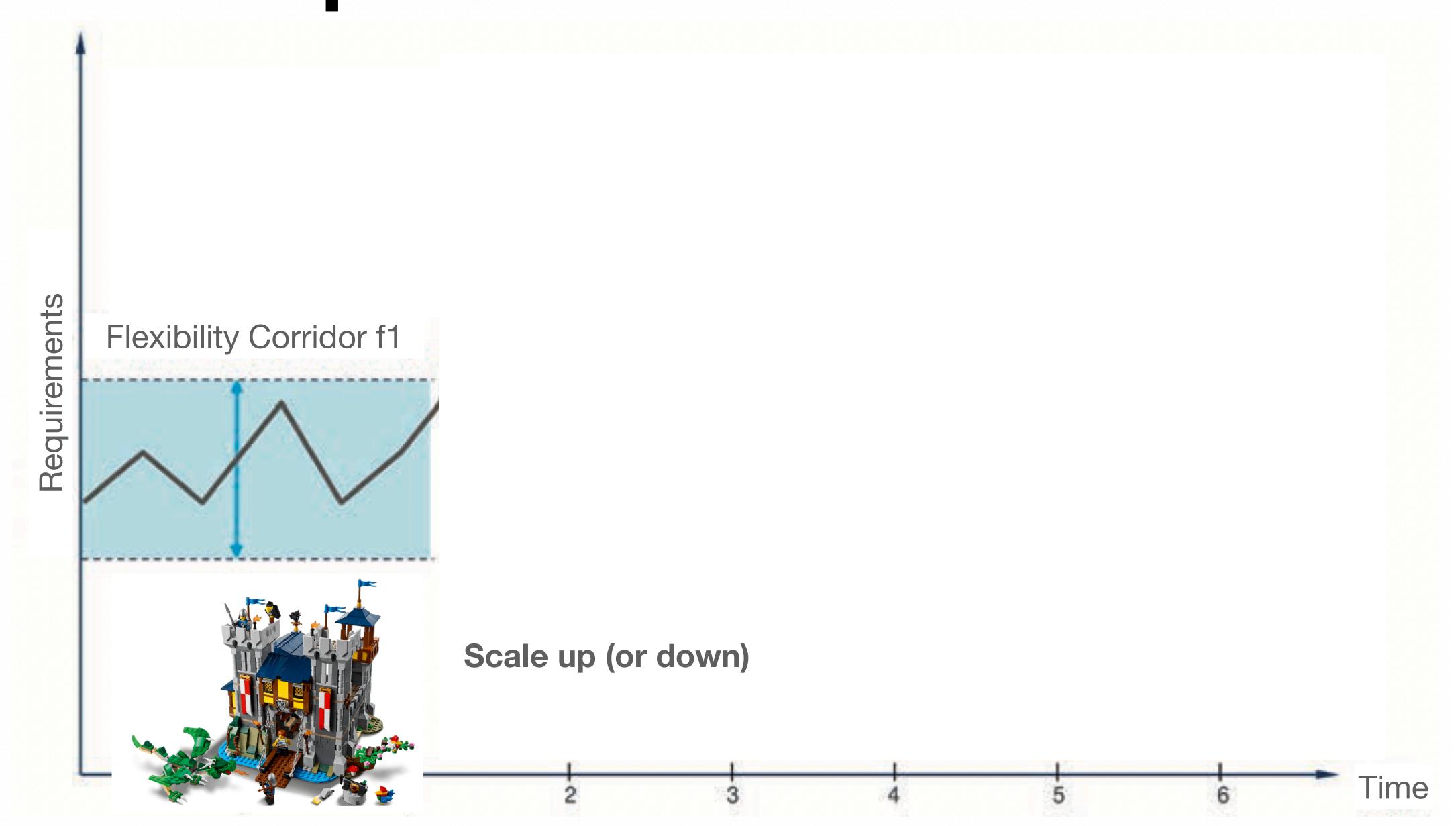




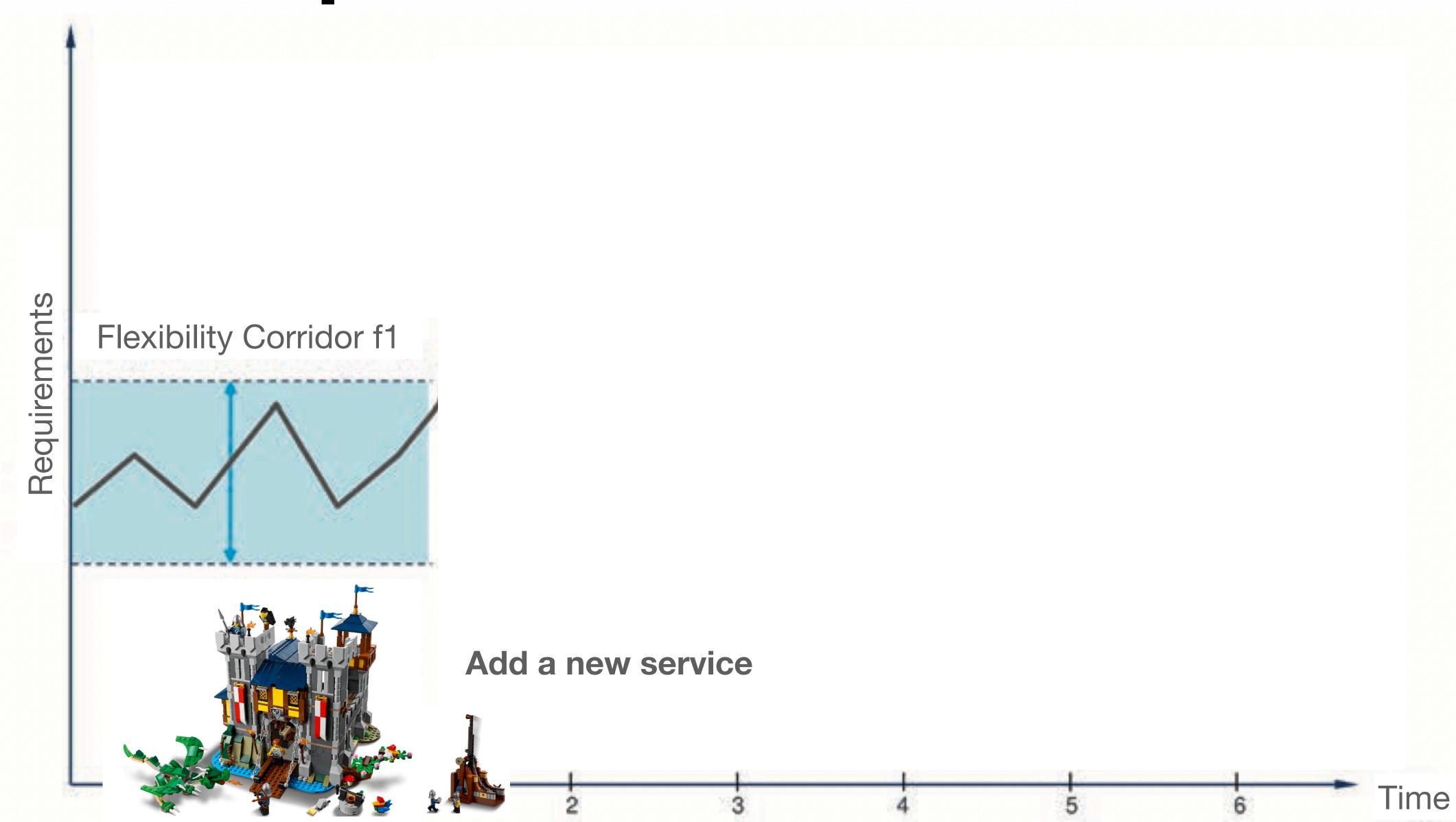


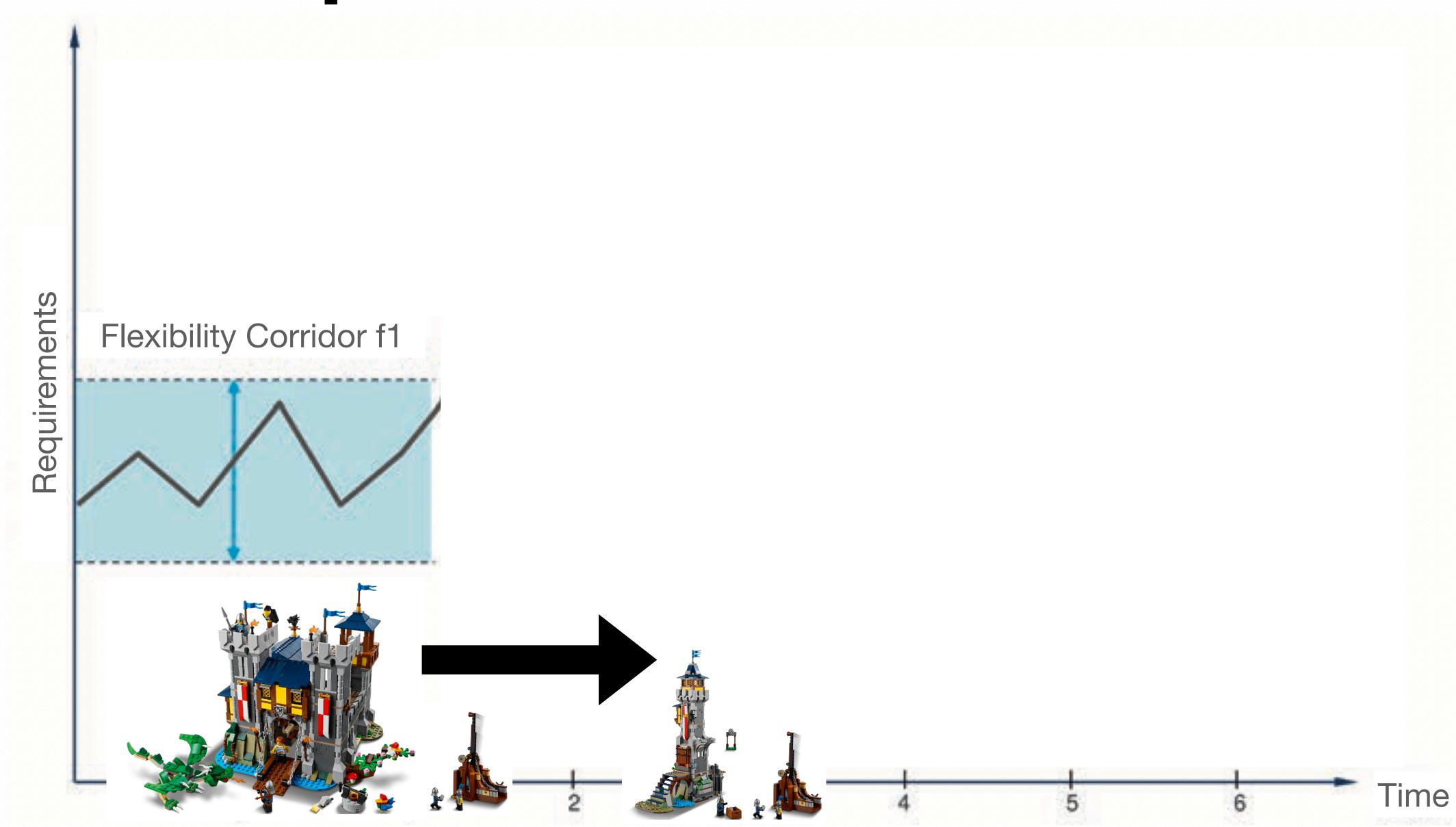
Public document



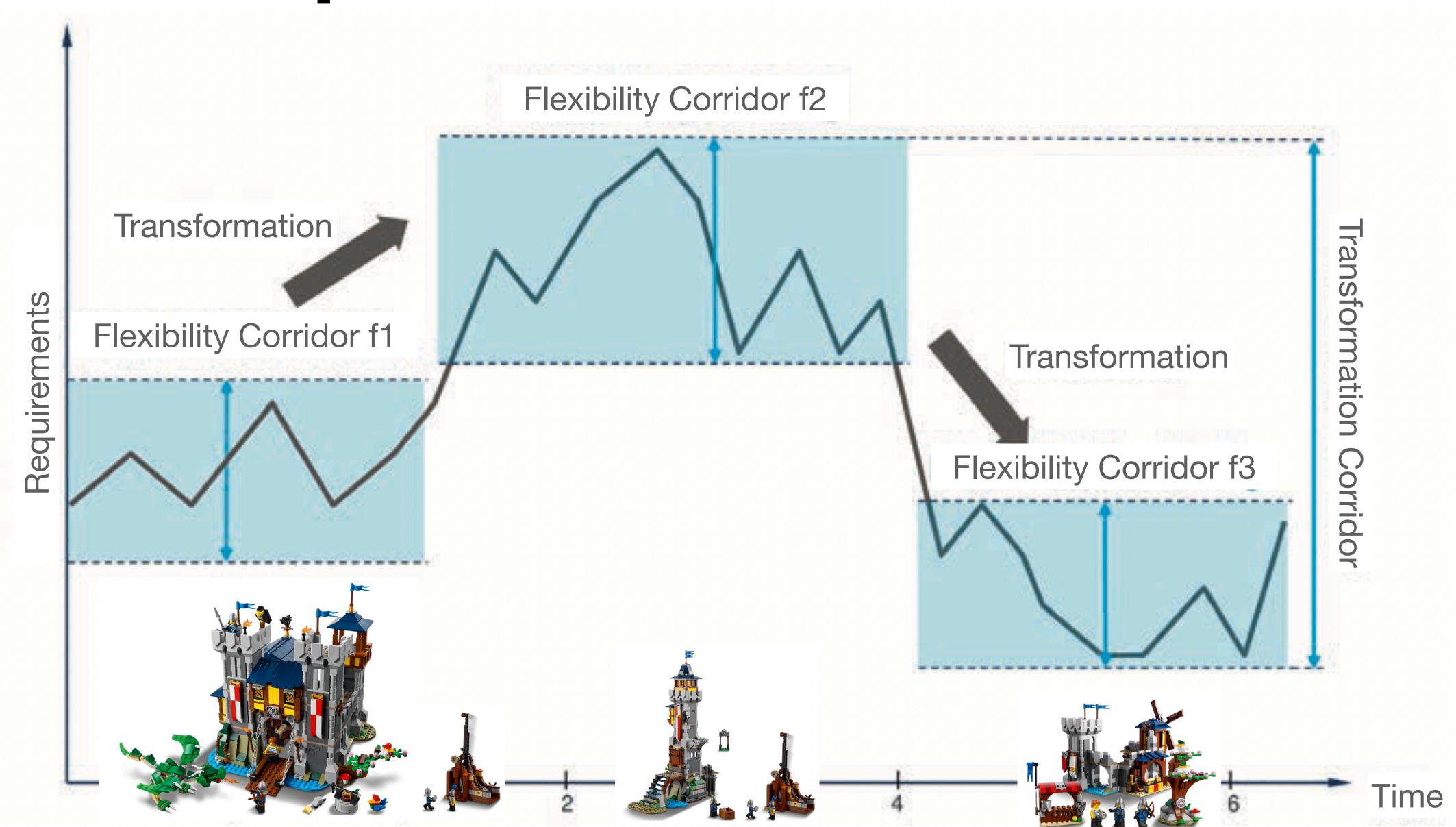


Public document











What's the solution?

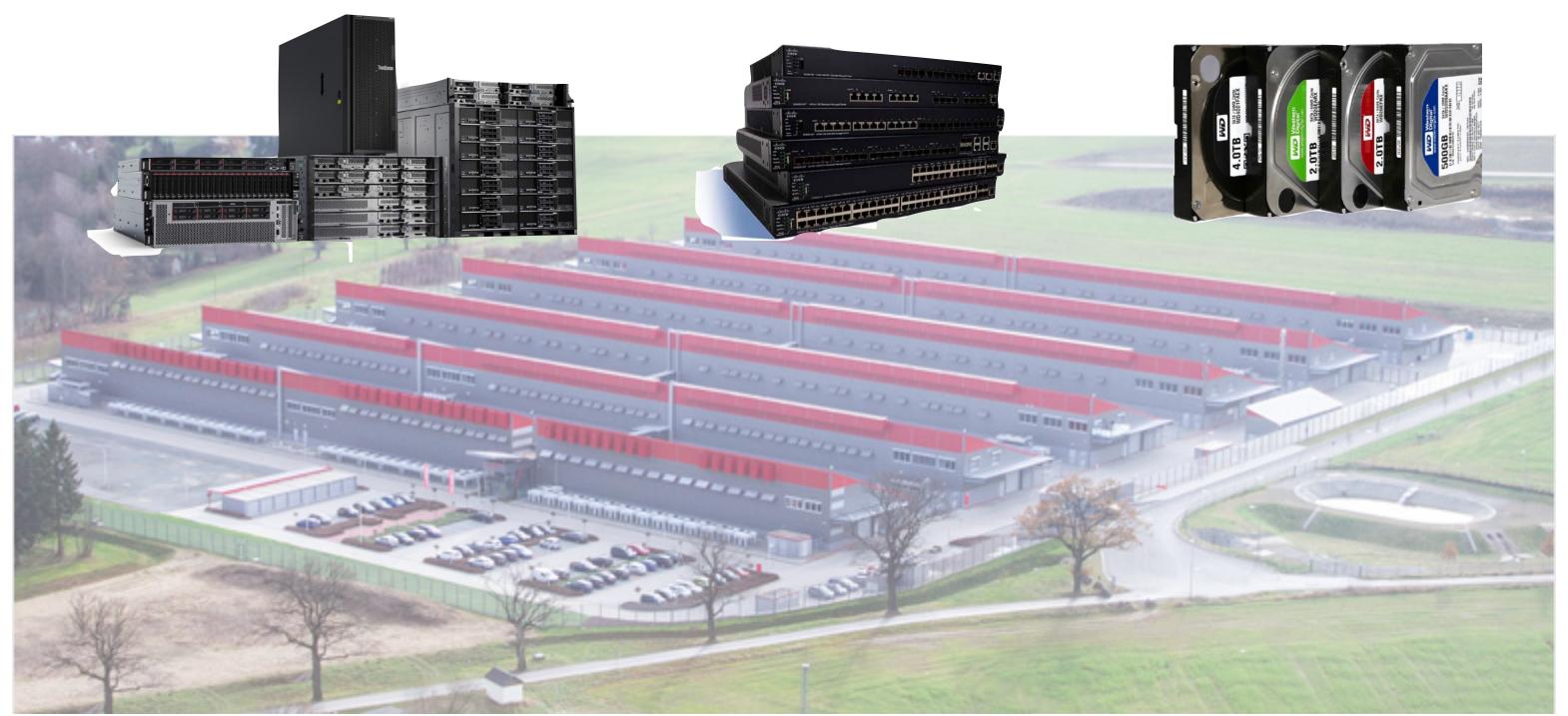
Mastery of <u>scale</u>, <u>flexibility</u> and <u>transformation</u>



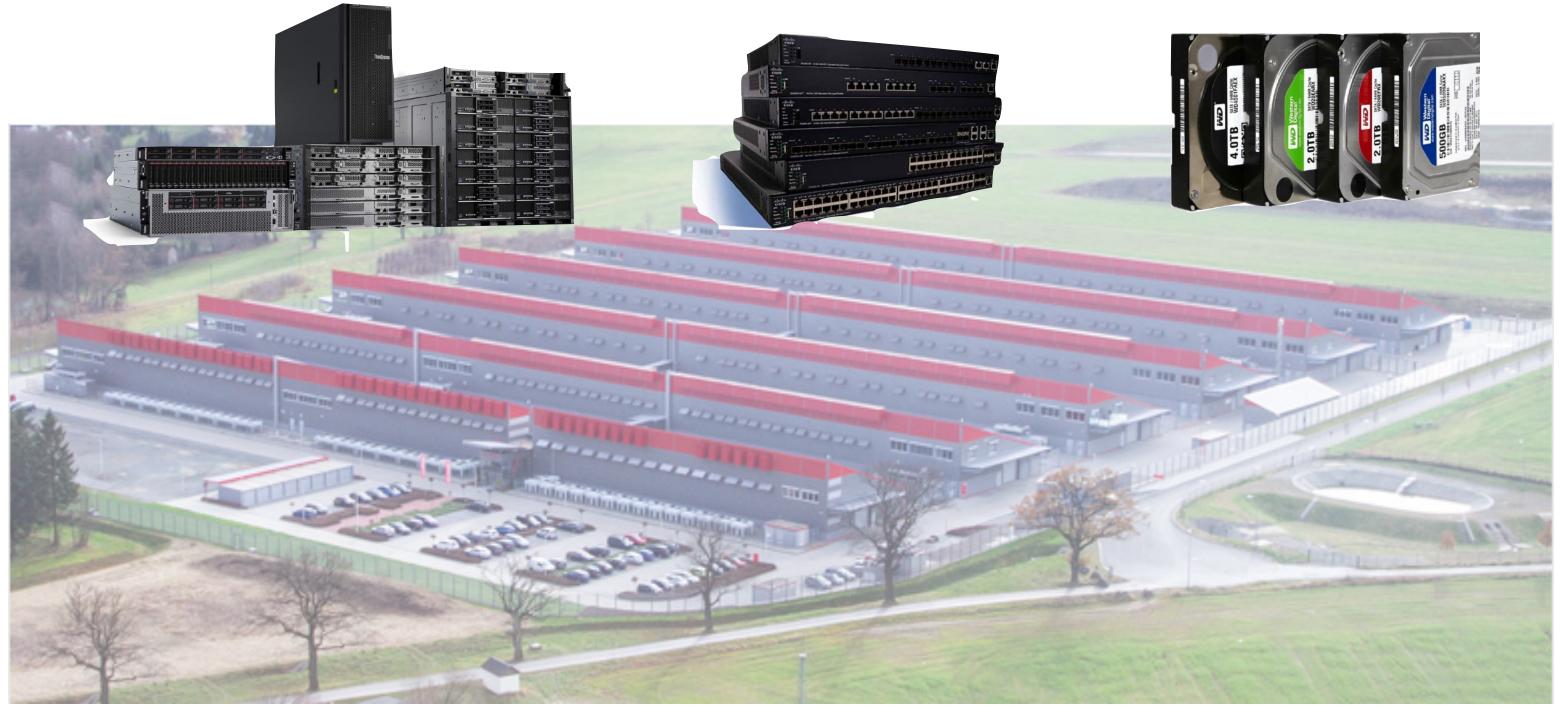






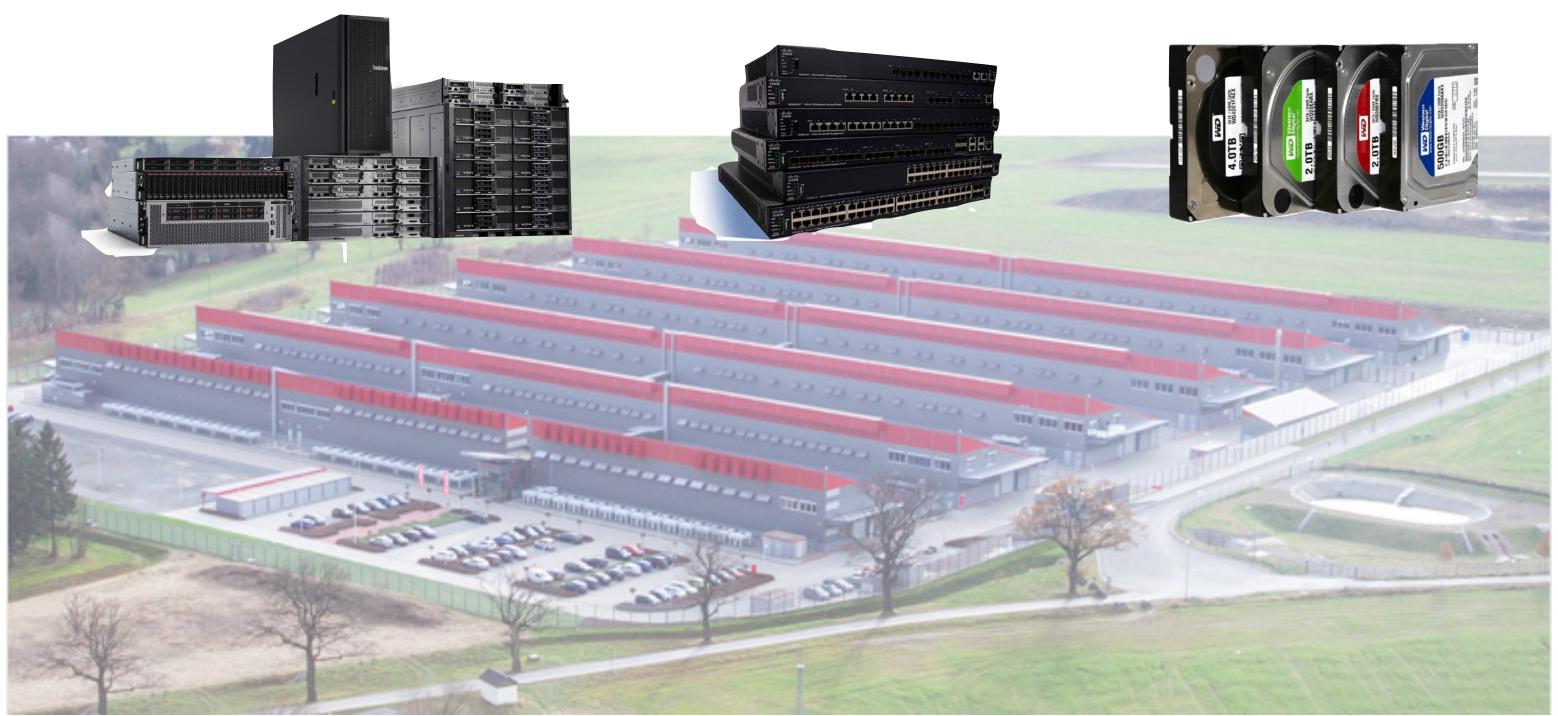








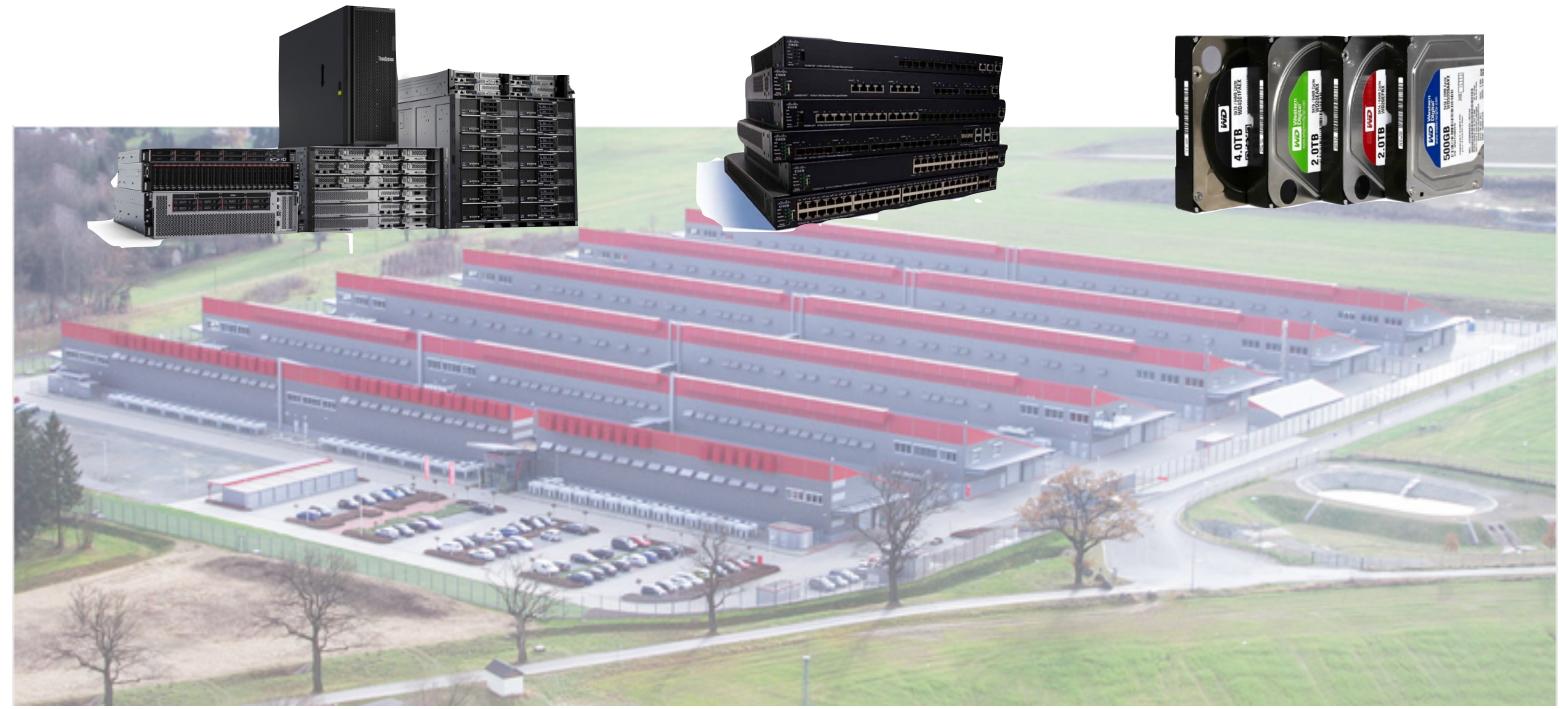
Kubernetes as a Service





Kubernetes as a Service

X as a Service

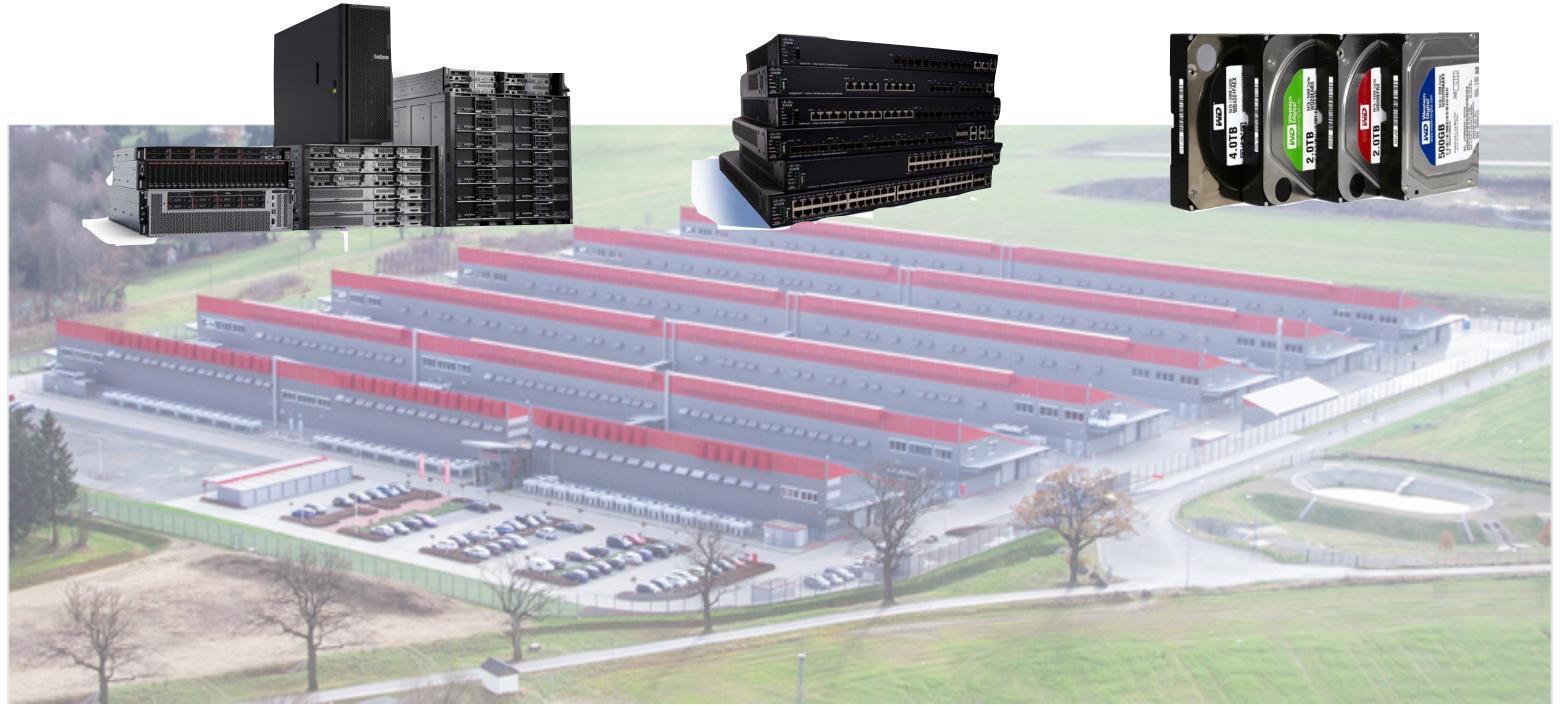




Cloud Native Workload

Kubernetes as a Service

X as a Service





In order to enable high dynamics (scale, flexibility, transformation) and high quality in the workload, high sustainability, long-term reliability and high quality are required in the lowest layer.

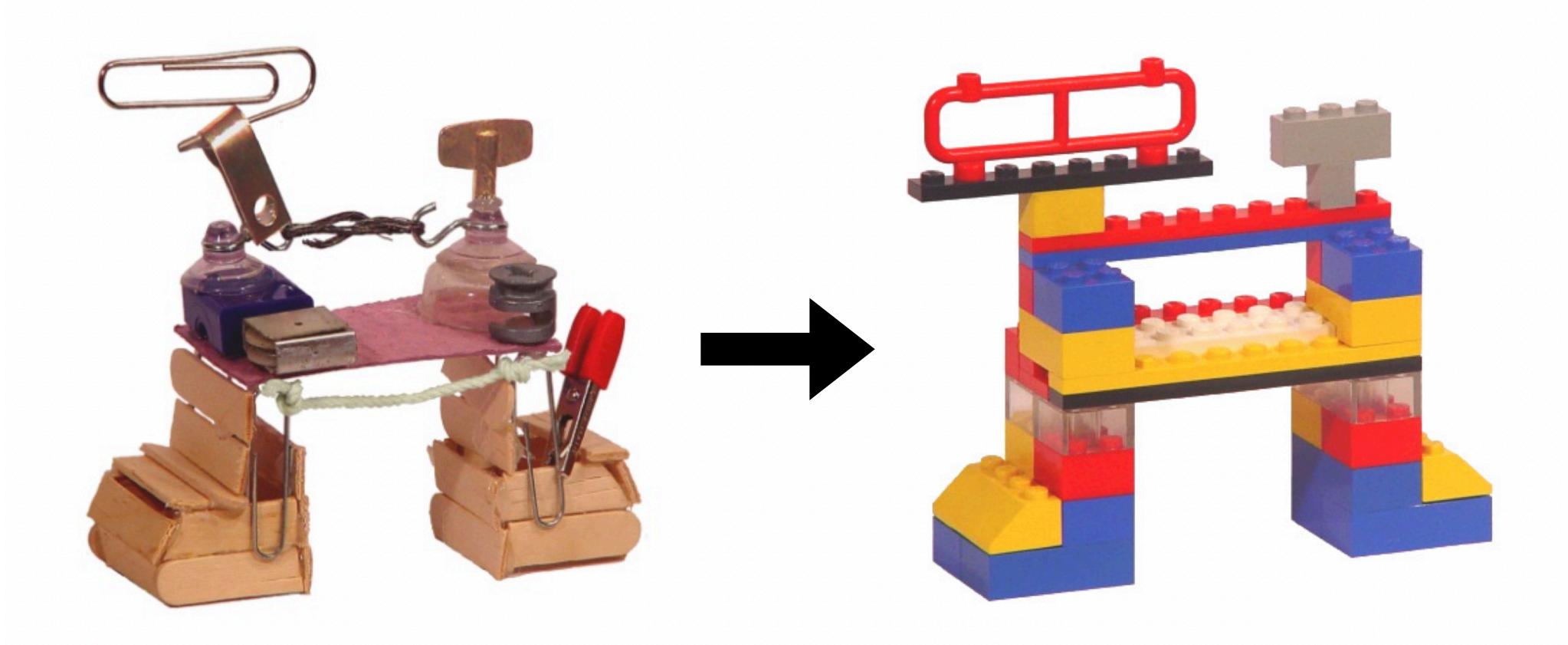






Unique one-time engineering Good for art, bad for infrastructure





Unique one-time engineering Good for art, bad for infrastructure

Standardized modular components
Changeable, scalable, repeatable, understandable, integrated

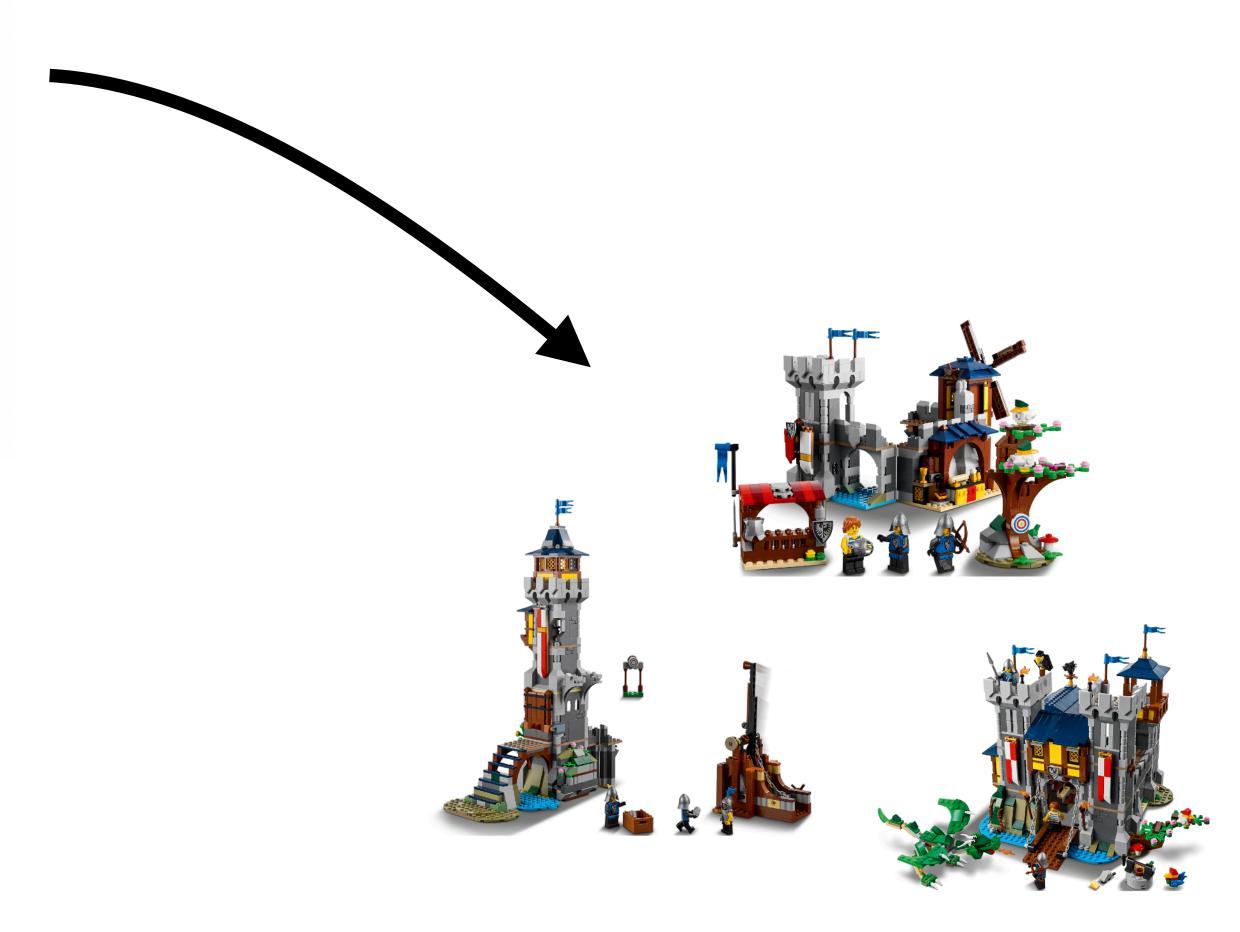




Unique one-time engineering Good for art, bad for infrastructure

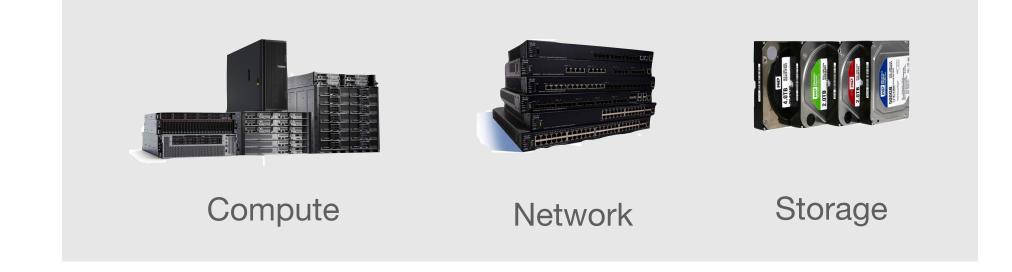


Standardized modular components
Changeable, scalable, repeatable, understandable, integrated



Public document Public document Photo: Schneider Electric Data Center Science Center White Paper116 Rev3

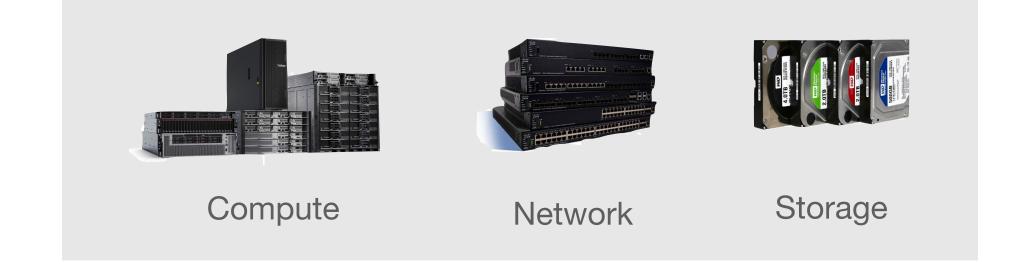


















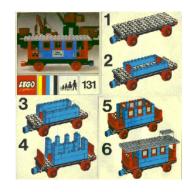




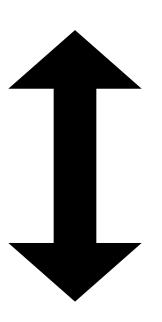








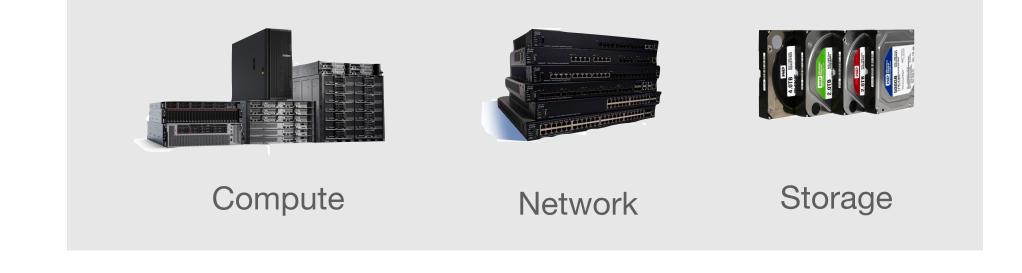














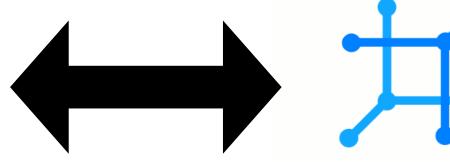






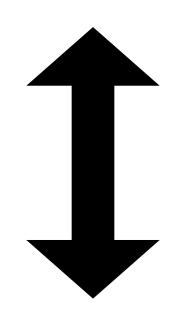








States











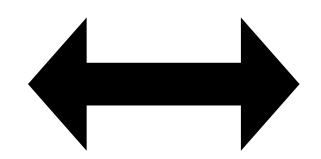














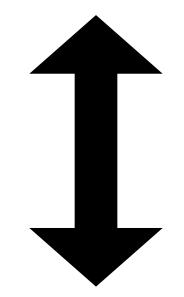


States



Configurations

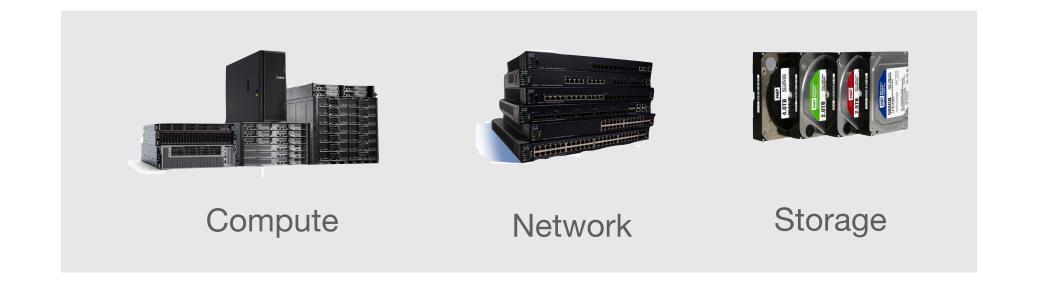
Descriptions











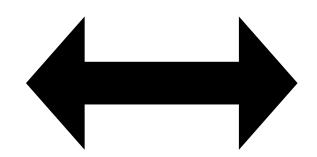






Single Point of Truth (SPOT)







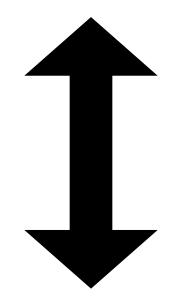


States



Configurations

Descriptions





















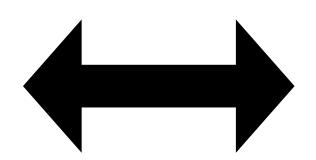
















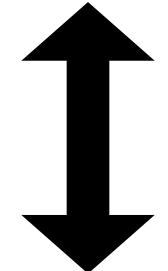
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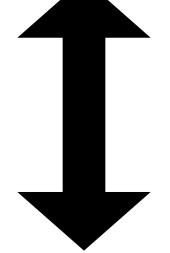


Configurations

Descriptions

Environments



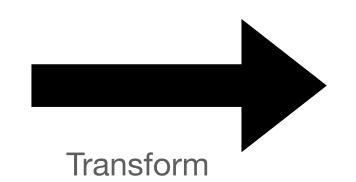


















Network



Storage

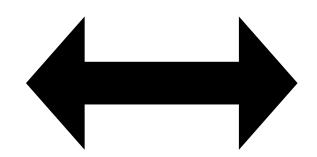
















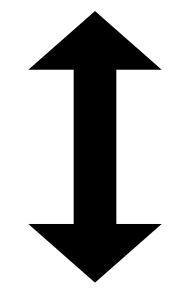
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Configurations

Descriptions

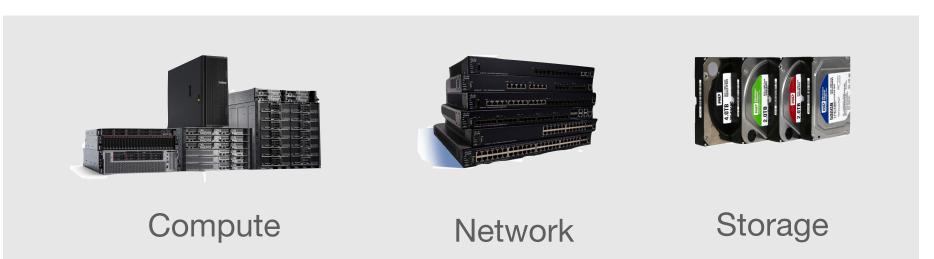




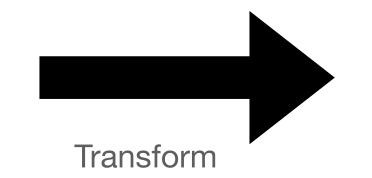
















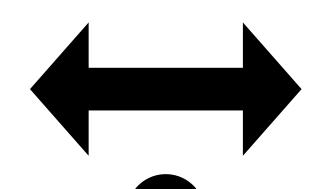




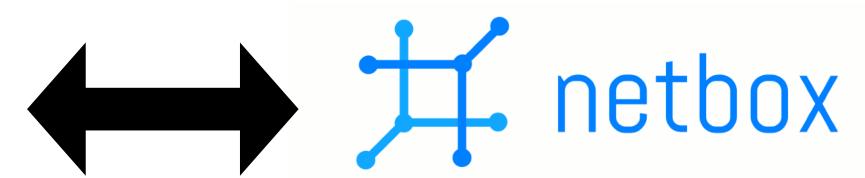












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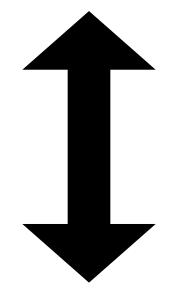
Letter of Intent

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Configurations

Descriptions





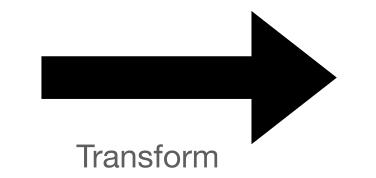














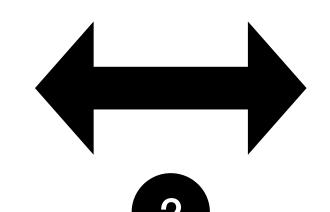




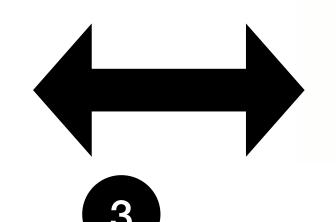














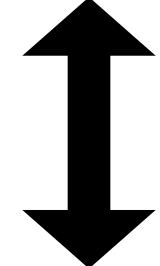
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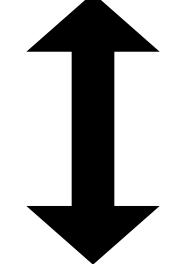


Configurations

Descriptions



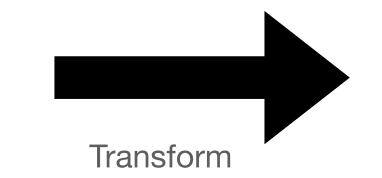








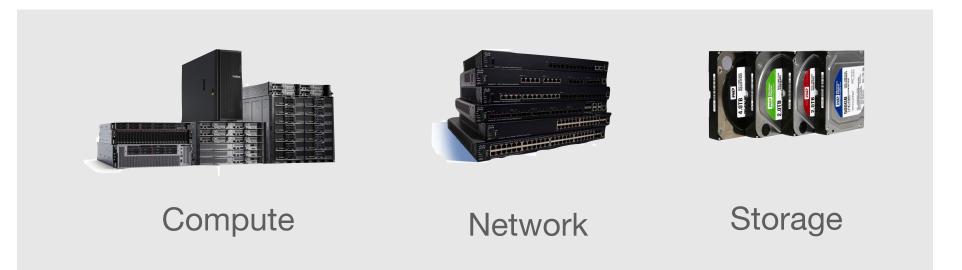












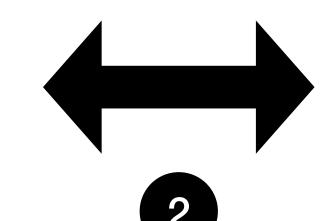




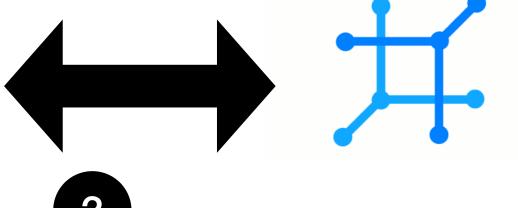






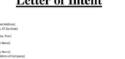








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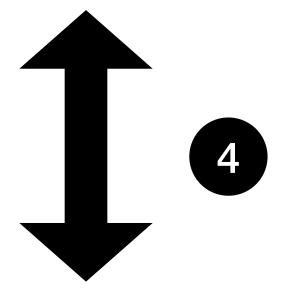
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Configurations

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Environments





















Network



Storage

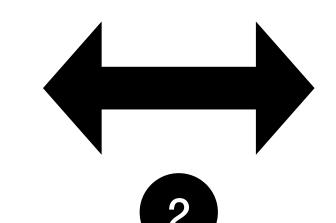




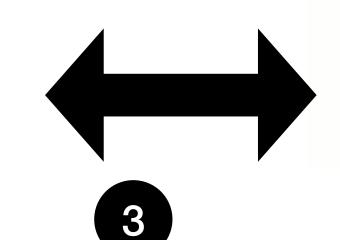












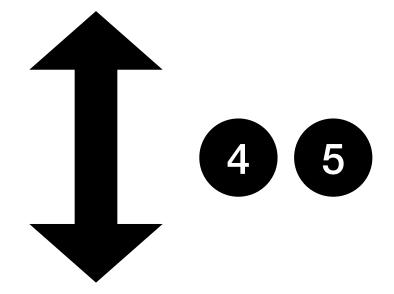


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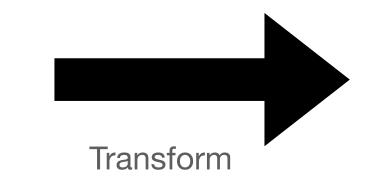




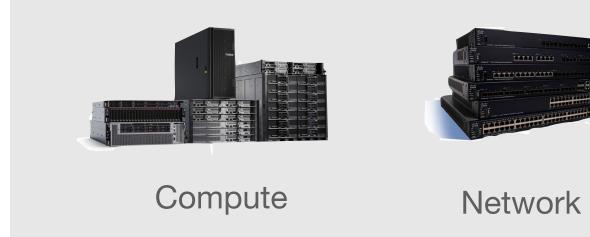














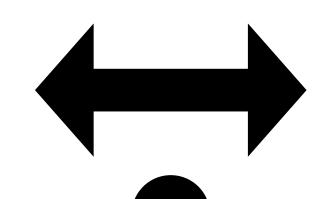




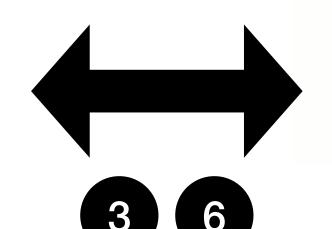


Single Point of Truth (SPOT)











States

Letter of Intent

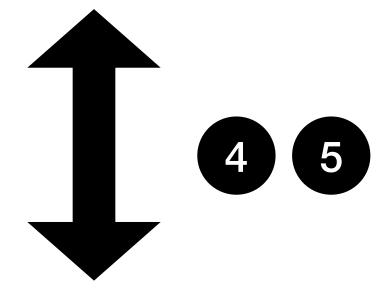
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Environments



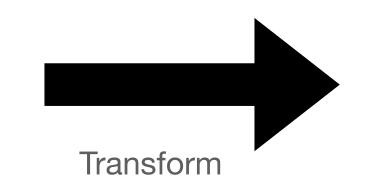




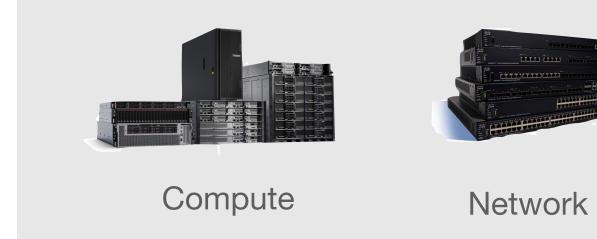














Storage

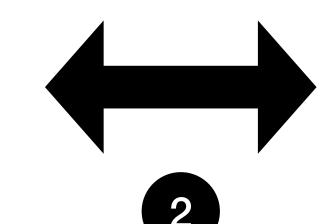




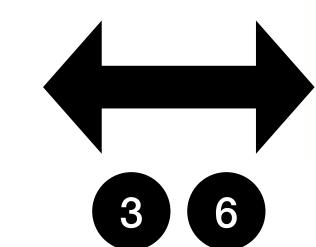


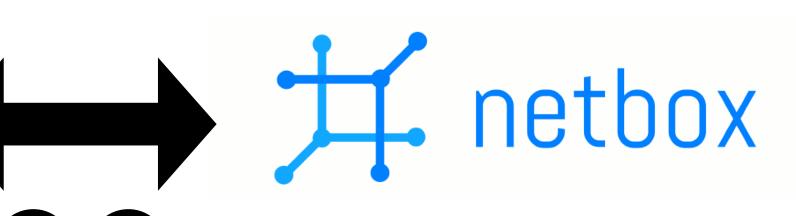
Single Point of Truth (SPOT)











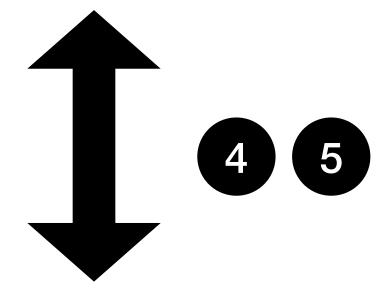
States

Letter of Intent

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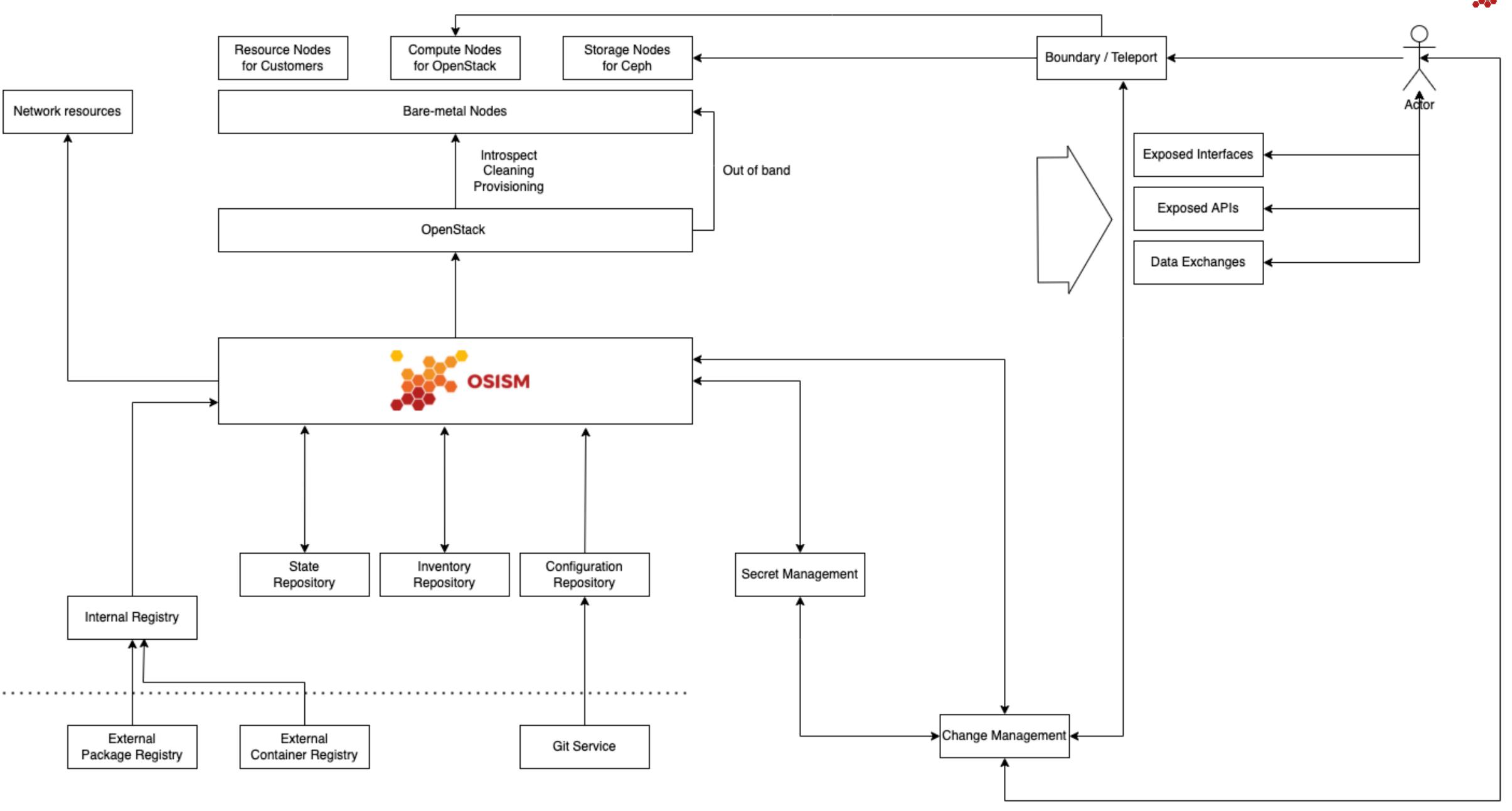






How does it look too much in detail?









How to get in contact with us?



https://github.com/osism



@osismtech

https://osism.tech

info@osism.tech



Thank you!