

Kompliziertes einfach machen, einfaches komplizierter machen

Monolithische Software Architektur und Kubernetes



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Senior Technical Consultant

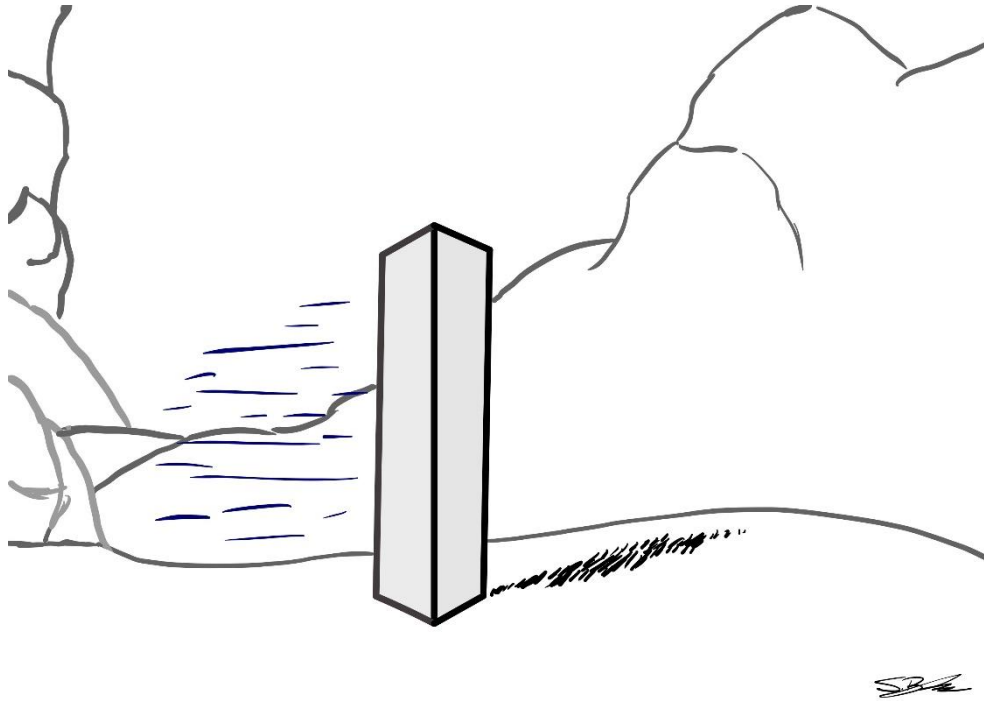
Zürich, 24.10.2023

www.controlware.de

**Die Herausforderungen eines Consultants,
wenn der Kunde fragt: „Können wir das?“,
der Hersteller sagt: „Ja klar!“,
und der Consultant es dann umsetzen muss.**



Der Monolith



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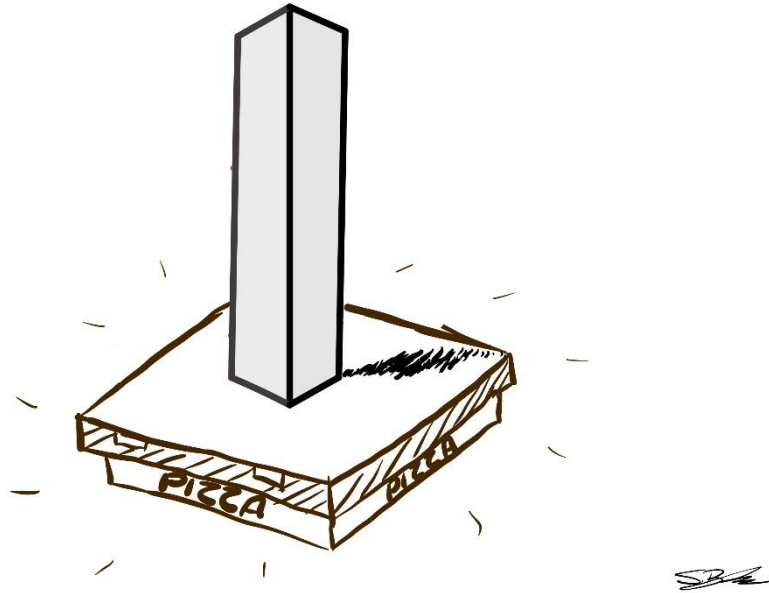


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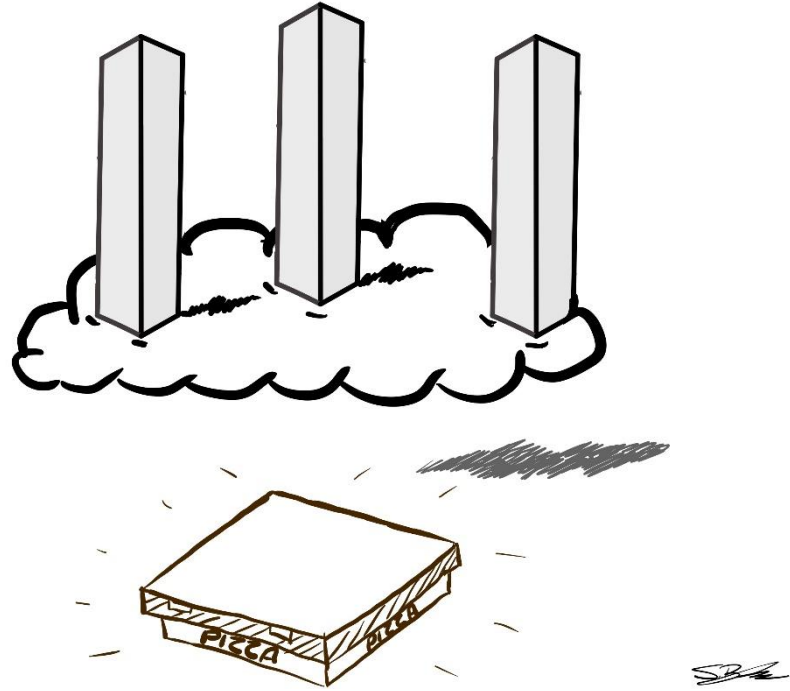


Der Monolith auf der Pizzaschachtel

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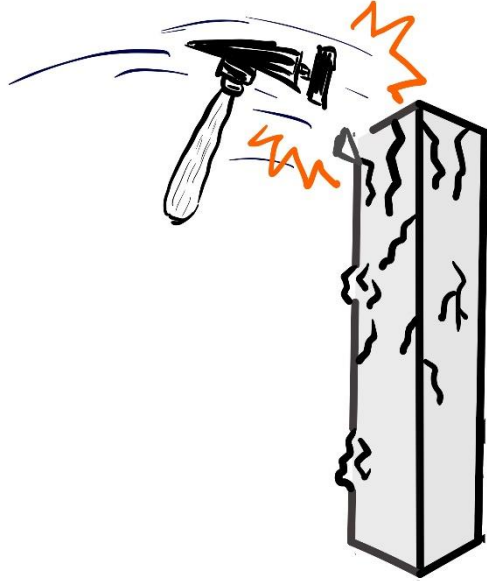


Der virtualisierte Monolith



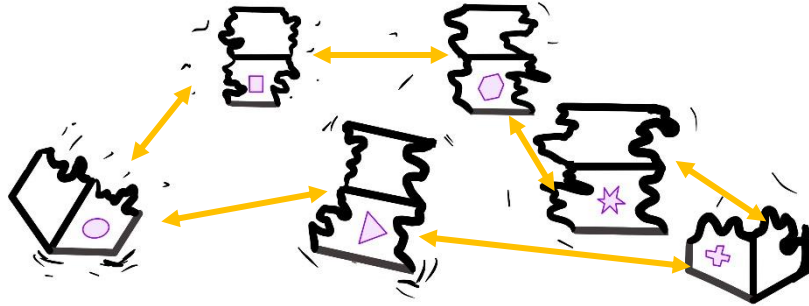
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SPK



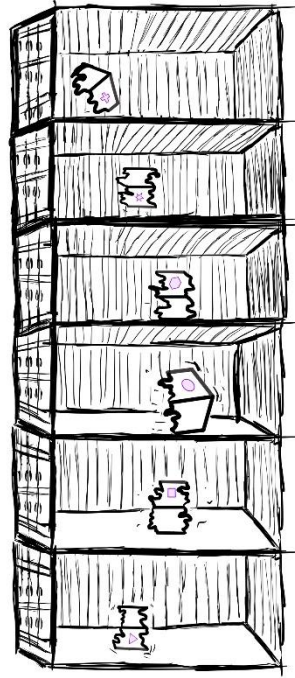


SBA



Microservice in Container

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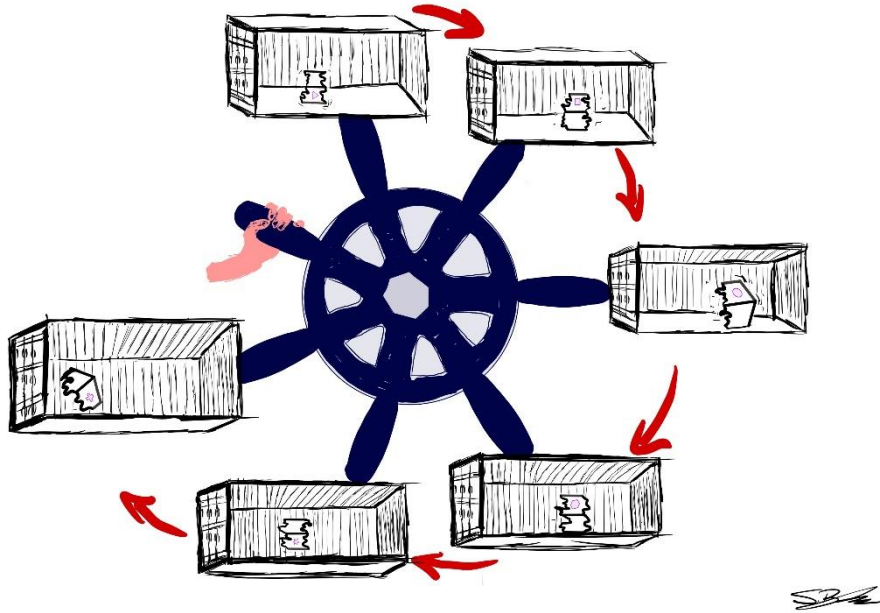


SB



Kubernetes und die Container

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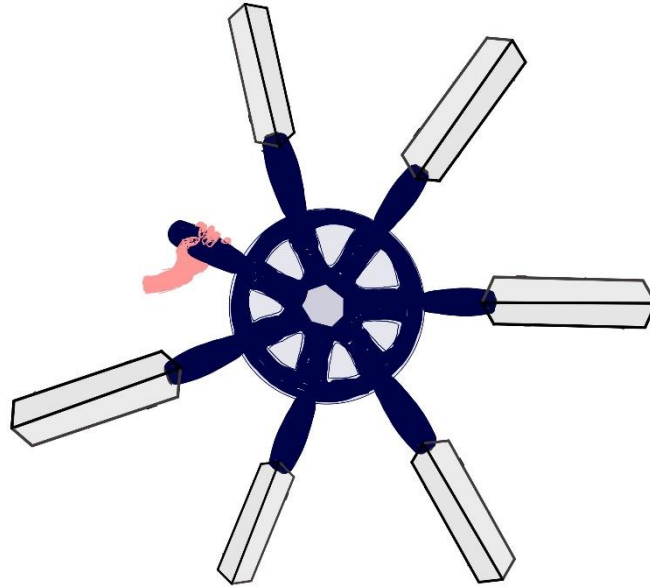
SD

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Kubernetes und der Monolith

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SRK

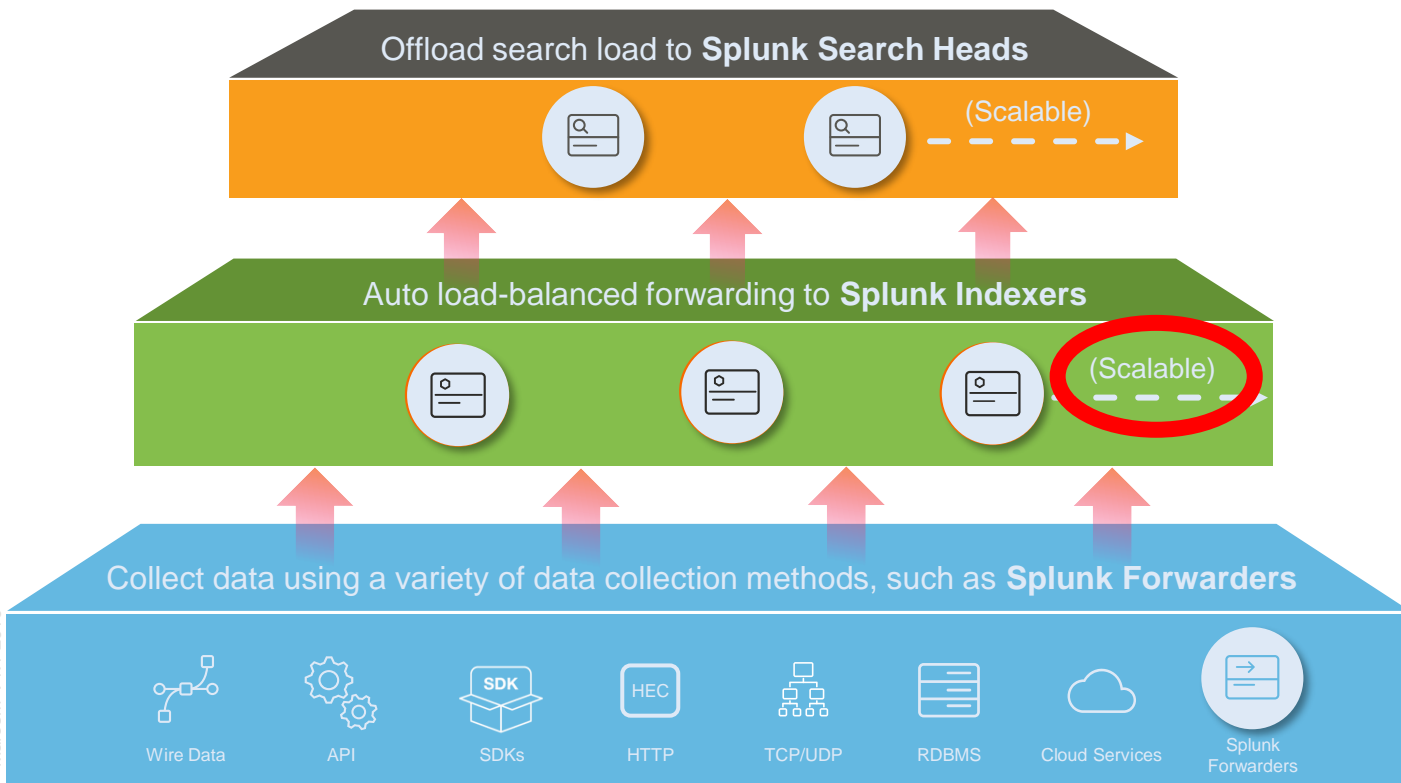


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Scales to Petabytes Per Day

Enterprise-Class Scale, Resilience and Interoperability



- > Distribute Searches to Indexers
- > Can be clustered (active-active)

- > Receive and store raw data
- > Data is analysed and indexed
- > Can be clustered (active-active)

- > Collect/monitor and forward data to Indexers
- > Collection options for a variety of data sources

Splunk Indexer Cluster: Peer Nodes und Manager Node

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Indexer Cluster



Indexer



Indexer

...



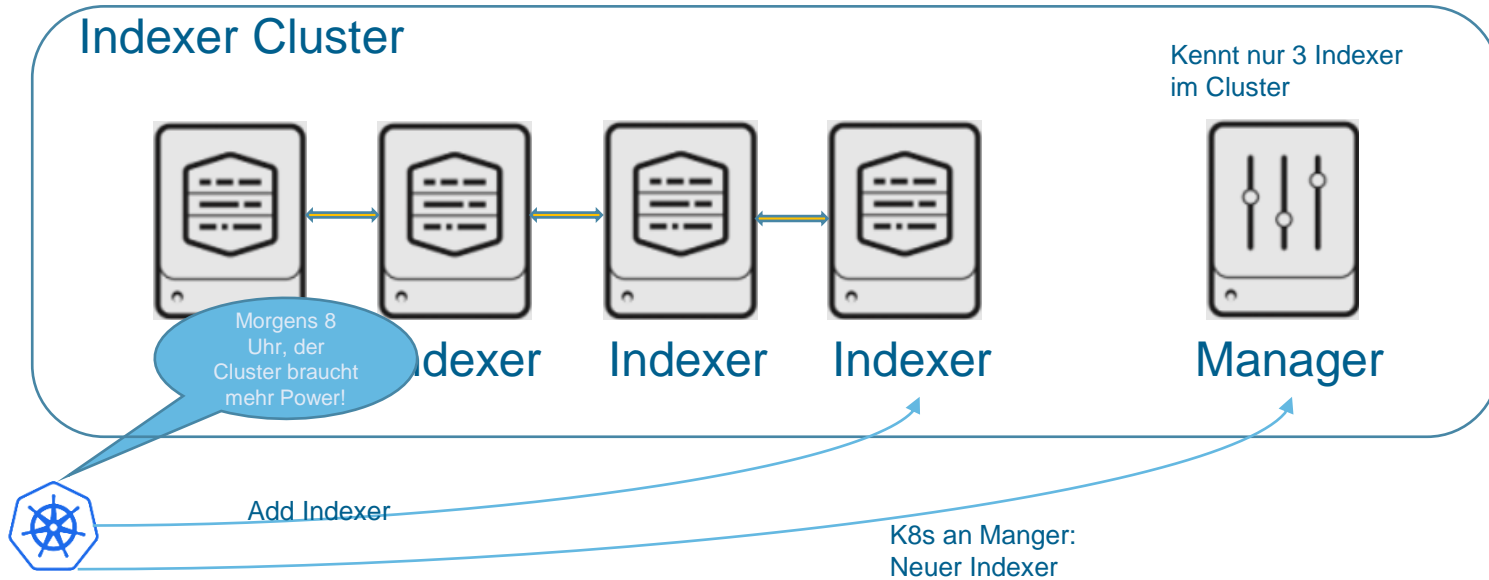
Indexer



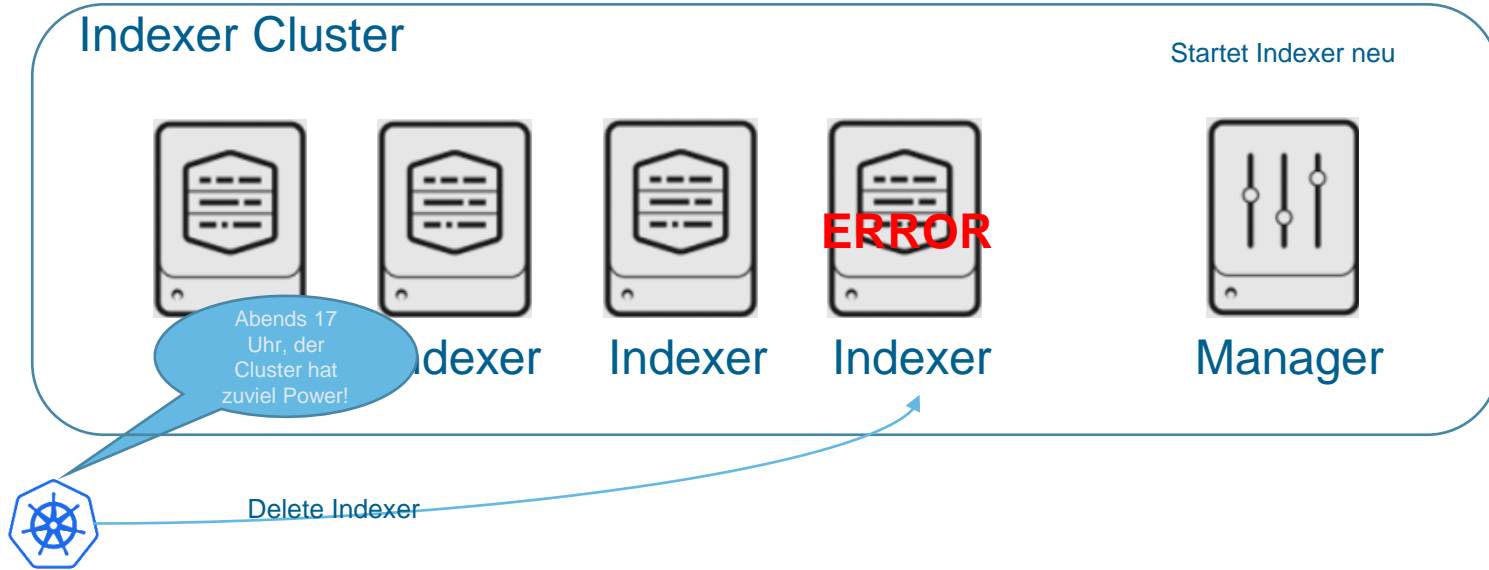
Manager

The **manager node** **manages** the cluster. It **coordinates** the replicating activities of the peer nodes and tells the search head where to find data. It also helps **manage** the configuration of peer nodes and **orchestrates** remedial activities if a peer goes down.

Splunk Indexer Cluster: Hinzufügen eines Indexers



Splunk Indexer Cluster: Löschen eines Indexers



Think about before you start

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- **Mache ich aus der Mücke einen Elefanten?**
- **Ist das Know How vorhanden?**
- **Cloud, oder On Prem?**
- **Ist die Anwendung Teil eines Managed Service?**
- **Nutzen Sie die Möglichkeit!**

Welche Alternativen gibt es?



Yes

No

It Depends

Vielleicht auch mal den Consultant fragen, wenn der Hersteller sagt:
„Ja klar!“



Vielen Dank für Ihre Aufmerksamkeit!
Thank you very much for your attention!

