

Standorte















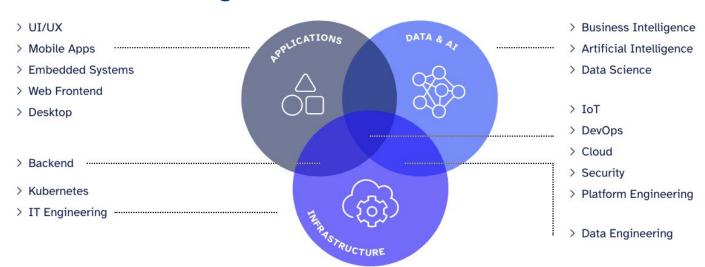








Unsere Leistungen





- > Transformationsberatung
- > Daten- und KI-Strategie
- > Cloud-Strategie
- > Product Discovery
- > Proof of Concept
- > Change Management

Methodisch

- Agile
- > User Centric
- > Quality focused
- Security focused
- > Trainings
- > Workshops

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Aktuelle Schwerpunkte

- > Künstliche Intelligenz
- Generative AI
- > Android Automotive
- > E-Health & Medical Software
- > Smart Energy
- > Platform Engineering

Technologiepartner

- > AWS
- > billwerk
- > Cloudera
- > CNCF
- > Confluent u.v.m.



Branchen & Brands - von Start-up bis Global Player

- · Automobilbauer und Zulieferer
- Industrie
- · Energie und Utilities
- · Handel

- · Lebensmittel
- · ITK / Software / Medien / Verlage
- · Verkehr, Logistik und Tourismus
- · Finance

- · Gesundheit und E-Health
- · Versicherungen
- · Auditierung, Consulting, Zertifizierung
- · Wissenschaft, Forschung und Bildung













beyerdynamic

























Innovation durch Integration: Platform Engineering im Fokus

18:30 Uhr Platform Engineering: Die DevOps

Evolution? (Pascal Petsch, Philipp Schmitt)

19:15 Uhr Pause mit Essen & Gesprächen

19:45 Uhr Building large-scale Internal Developer

Platforms: Core Principles (Arnold Bechtoldt)

20:30 Uhr Abschluss und Zeit für weitere Gespräche





The DevOps Evolution?

Team inovex

Karlsruhe · Köln · München · Hamburg Berlin · Stuttgart · Pforzheim · Erlangen



Who we are



Pascal Petsch

Cloud Platform Architect & Innovation Lead



Philipp Schmitt

Cloud Platform Engineer & Kubernetes Trainer





Agenda

- Motivation
- Internal Developer Platforms
- IDP Buildings Blocks
- DevOps and Platform Engineering

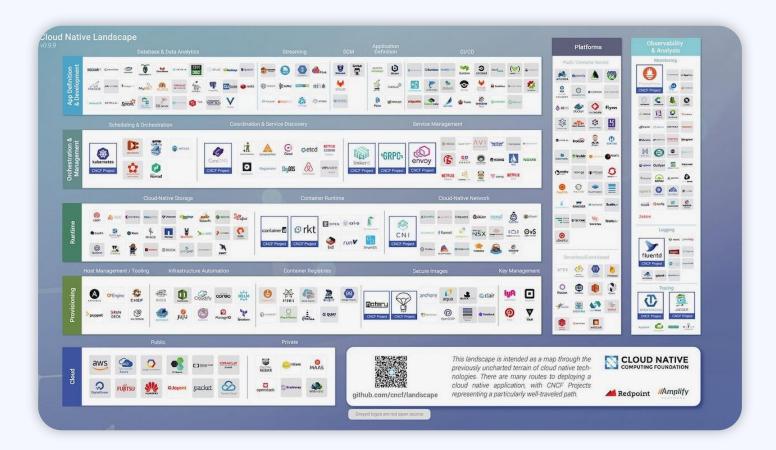
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Outlook

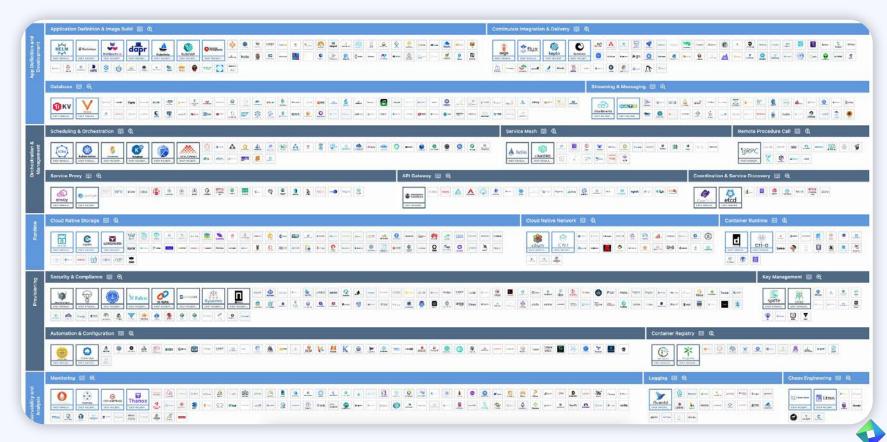


Motivation









Challenges of many DevOps Teams



Overwhelming Cognitive Load

Teams need to design and operate their own workflows across multiple domains



Increased Complexity

New requirements for AI, IoT and global scalability raise new challenges



Security & Governance

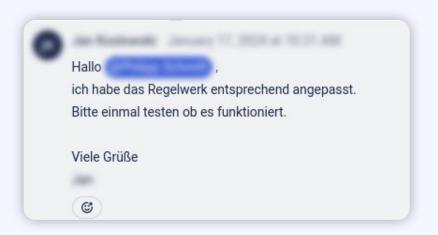
Ensuring that policies and requirements are met is challenging in a heterogeneous infrastructure



Everything was better before...



...really?



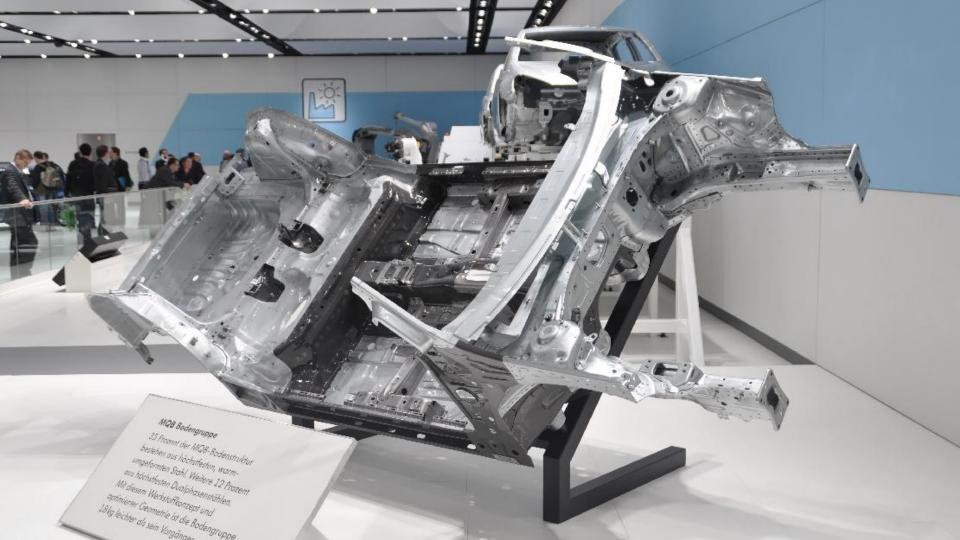


Platforms come in all shapes and sizes









a platform is a product that serves or enables other products and services



a platform that enables developers is called "Internal Developer Platform"



Internal Developer Platform (IDP)



Internal

Targeted specifically to the needs of your internal users only



Developer Experience

Centralize access points for documentation, support and tools



Compliance

Built in mechanisms to ensure your organizations rules and standards by default



Paved Roads

Leverage best practices by providing standardized solutions



Self-Service Catalog

Aligned toolchains for the Software-Development-Lifecycle and beyond accessed via self-service



Consulting & Training

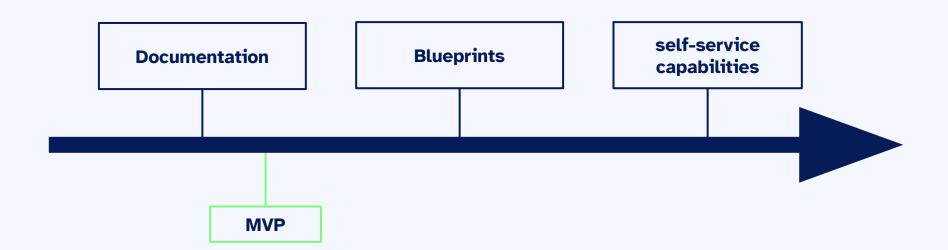
Enable your engineering teams with comprehensive consulting & training



Building Blocks of an Internal Developer Platform



Platform Evolution







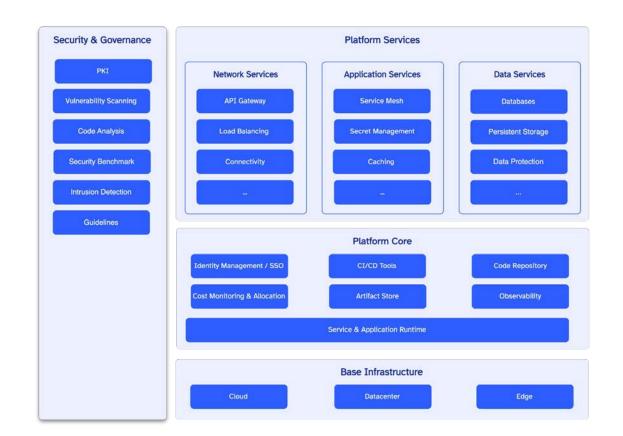






















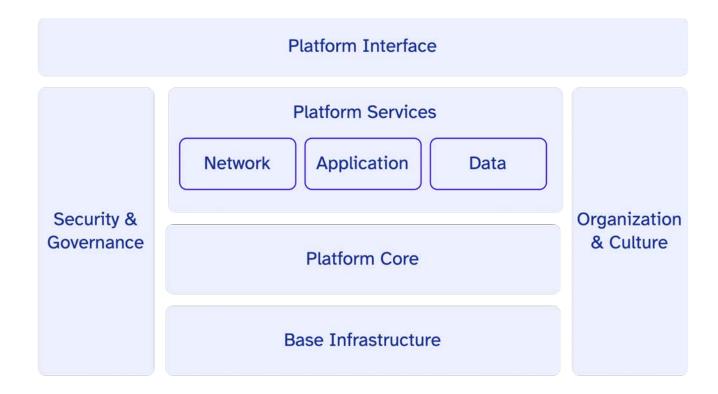




Overwhelmed yet?



Platform Components





DevOps feat Platform Engineering



Common tasks in cross-functional teams

- Product Management
- Software Development
- Testing
- Operations















Operations

Testing







Outlook



Successfully build your IDP



Focus on common use cases

Aim for the 80% solution - there is no solution that will fit all your developers needs



Treat your platform as a product

Provide the best possible Developer Experience and measure your success



Ensure strong collaboration

Design and maintain your platform collaboratively - continuously



Build a community

Ensure your users are connected and provide various exchange formats for them collaborate independently





Discussion



Sources (Pictures)

Slide 16: viewing platform

https://de.m.wikipedia.org/wiki/Datei:Naturns_von_der_Aussichtsplattform_Unterstell.jpg

Slide 17: oil platform

https://de.m.wikipedia.org/wiki/Datei:Bohrplattform_bei_Walvis_Bay_%282017%29.jpg

Slide 18: MQB

https://en.wikipedia.org/wiki/Volkswagen_Group_MQB_platform#/media/File:Hannover-Mess e_2012_by-RaBoe_233.jpg

