

secunet

 **SysEleven**

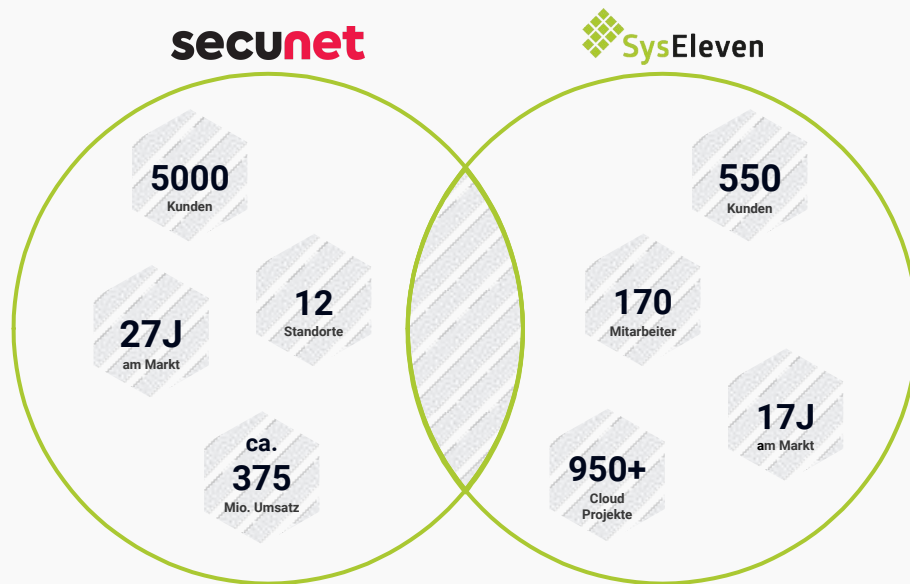
SysEleven Cloud - made in Germany!

Die Cloud Plattform für alle Vertrauens- und Geheimhaltungsstufen

Mai - 2024

// Unsere Vision

souveräne, sichere Cloud - made in Germany!



Open Source Strategie



Kompetent & Nachhaltig



Made in Germany - Made for Europe



IT- Sicherheitspartner der Bundesrepublik Deutschland



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Status Quo vor 6 Jahren

Quelle: packet.com / equinix.com



CLOUD NATIVE LANDSCAPE

The Cloud Native Landscape is a comprehensive directory of cloud-native technologies, organized into several categories:

- Application Definition & Image Build**: Includes Helm, Backstage, Buildpacks, dapr, KubeVela, KubeVirt, and others.
- Databases**: Includes KV, V, and various database solutions.
- Continuous Integration & Delivery**: Includes Argo, Flux, and others.
- Streaming & Messaging**: Includes CloudEvents, NATS, and others.
- Scheduling & Orchestration**: Includes KEDA, Kubernetes, and others.
- Service Proxy**: Includes Envoy, and others.
- Service Mesh**: Includes Istio, Linkerd, and others.
- API Gateway**: Includes various API gateway solutions.
- Remote Procedure Call**: Includes gRPC, and others.
- Coordination & Service Discovery**: Includes etcd, and others.
- Cloud Native Storage**: Includes various storage solutions.
- Cloud Native Network**: Includes various network solutions.
- Container Runtime**: Includes cri-o, Lima, and others.
- Security & Compliance**: Includes Falco, and others.
- Automation & Configuration**: Includes various automation and configuration tools.
- Container Registry**: Includes various container registry solutions.
- Key Management**: Includes various key management solutions.
- Observability**: Includes various observability solutions.
- Continuous Optimization**: Includes various optimization solutions.
- Class Engineering**: Includes various class engineering solutions.
- Feature Flagging**: Includes various feature flagging solutions.

// kurz erklärt

Drei Säulen der Cloud Souveränität



Datensouveränität

Handling von Daten unterliegen den Regeln und Gesetze des Ursprungslandes.
Standortfaktor Deutschland.



Betriebssouveränität

Kunden haben Transparenz über die Abläufe des Cloud-Anbieters können diese kontrollieren oder an ihre Bedürfnisse mitgestalten.



Technologiesouveränität

Eigenständige Entwicklungs-, Produktions- und Distributionskompetenz sowie die Fähigkeit zur lokalen Wertschöpfung.



// Public Cloud and Managed Kubernetes

Unsere Regionen und Netzwerk



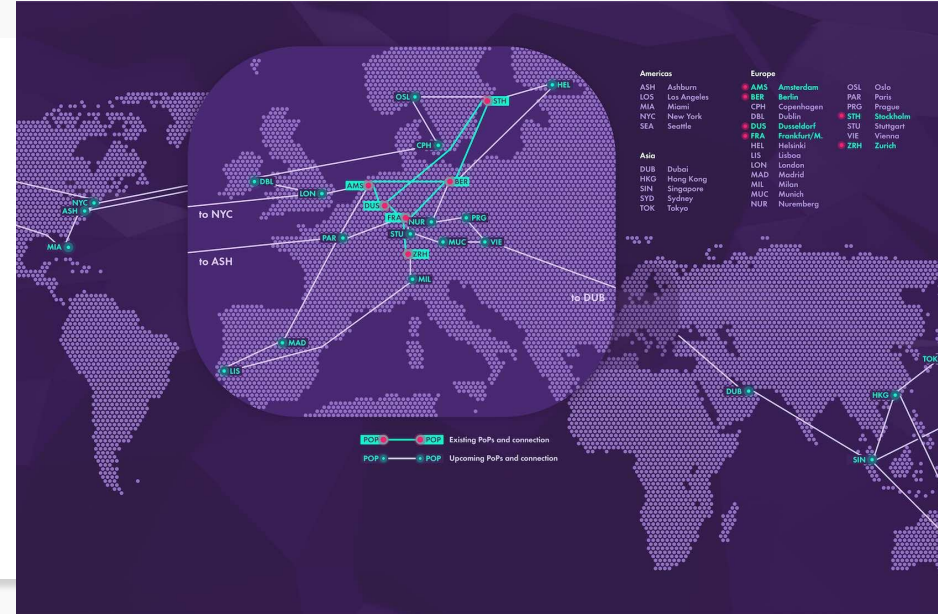
5 Regions in Deutschland - 24 Regions weltweit

Unsere Public Cloud und Managed Kubernetes Service ist in fünf Rechenzentren mit ISO 27001 und BSI IT-Grundschutz in Deutschland und insgesamt 24 Scaleout-Optionen bei Hyperscalern (AWS, Azure etc.) weltweit verfügbar.



Superior Network Infrastructure

Mit über 50 Points of Presences (PoPs) auf allen Kontinenten bis Ende 2022 wird Inter.link eine globale Präsenz, unübertroffene Konnektivität und höchste Qualität bieten. Alle PoPs sind redundant mit n*100G-Kapazität miteinander verbunden. - Details: [Inter.link / AS5405](https://inter.link/AS5405)



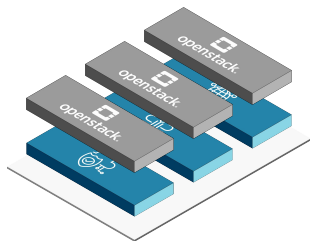
// Aktuelles Portfolio

Public Cloud Platform Layer

SysEleven Stack

Infrastructure as a Service

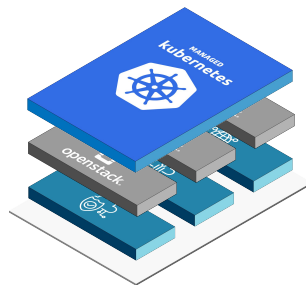
Public Cloud powered by OpenStack
 Compute as a Service
 Storage as a Service
 Network Infrastructure



MetaKube Core

Managed Kubernetes

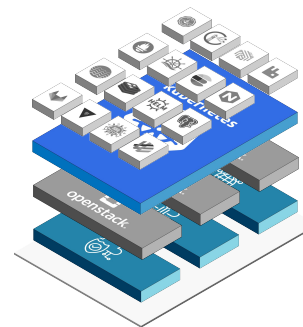
Kubernetes as a Service



MetaKube Accelerator

GitOps Plattform

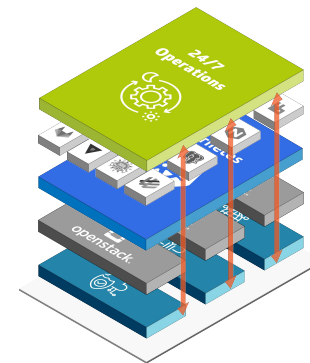
Application Building Block Catalog
 GitLab as a Service
 Container Registry
 Multi Cloud Connector



MetaKube Operator

Managed 24/7 Betrieb

Observability Management
 Capacity Management
 Incident Management
 Lifecycle Management



SysEleven Stack ist SCS-kompatibel!

// Ausblick: Unsere Vision

ONE Cloud - Platform

App-User, IT-SM und DevOp Scope

Application Rollout und Lifecycle Management Service

Infrastructure Operators Scope

Infrastructure Rollout und Lifecycle Management Service

Identity & Access Management

SINA
zugelassene
Produkte

secunet
&
3rd Party Products

as a Service Catalog

GitOps Tools

Enclaves

Kubernetes

OpenStack

Cloud Platform Controller - CPC

Security Domain Management Layer - SDM

Security Domain / Hardware Domain Layer

Hardware / GPU's

Unsere Basis: Security-by-design



Trusted Application Catalog / Marketplace



Cloud Platform Services und GitOps Tools



Container- und VM-Orchestrierung



Identity und Access Management



Security Domain / Hardware Domain Management

// Ausblick: Unsere Vision

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Platform Layer

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Deployment Options

High Security Cloud Platform

On Premises und "as a Service"
für VS Workloads (Geheim & NfD)



Public Cloud

ISO 27001 - BSI IT Grundschutz
in diversen Regions



Private Clouds

On Premises / Hosted
verschiedene Verfügbarkeitszone(n)



Hybrid & Multi Cloud Szenarien

Kombination von
verschiedenen Cloud-Modellen
für alle Vertrauens- und
Geheimhaltungsstufen!

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Vielen Dank

Jetzt direkt zum kostenlosen 30-Tage-Test!



www.syseleven.de