

IONOS SUMMIT

Level  Up!

Feature UP - the new exciting cloud services made by IONOS

Patrick Schaudel, SVP Product IONOS SE

A decorative network diagram consisting of a series of interconnected nodes and lines, rendered in a light blue color, is positioned in the bottom-left corner of the slide.

IONOS Cloud Platform Feature Ecosystem

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Compute	Network	Traffic Processing	Storage	Data	Platform	Security	AI	Partner Solutions
Dedicated Cores	IPv4 / IPv6	HTTP Load Balancer	Network Block Storage	PostgreSQL	Kubernetes	MFA	Multimodal Model Hosting	VMware Private Cloud
Virtual CPUs	DNS	Layer 4 Load Balancer	Local Block Storage	MongoDB	Container Registry	Audit Log	Vector DB	Managed Stackable
Cubes (VPS)	DDoS Protection	VPN Gateway	Object Storage	MariaDB	Logging aaS	Network Flow Logs	VM GPUs	Managed GitLab
Public & Private Images	Cross Connect	API Gateway	Backup	Redis	Monitoring aaS	Container Scanning	Kubernetes GPUs	Partner Store
VM Autoscaling	NAT Gateway	CDN	File Storage (NFS)	Kafka	Send Email Service	Identity & Access Mgt.		
CPU & GPU Bare Metal	Network Security Groups	Web Application Firewall		Full Text DB (e.g. OpenSearch)		Key Mgt. Service		
Confidential Computing		Global Load Balancer		Time Series DB (e.g. InfluxDB)				

GA 2025

- The **Managed Network Load Balancer (NLB)** is a **pre-configured VDC** element that provides connection-based **layer 4 load balancing features and functionality**.
- It is **fully managed by IONOS**, deeply integrated into our **Software-Defined Networking (SDN) stack**, deployed in a highly available setup, and offers robust security features **required for fault-tolerant applications**.
- NLB **serves as a single entry and exit point for all client traffic**. Connection requests are accepted by the listener, and according to the defined forwarding rules, the sessions are distributed for parallel processing across multiple compute resources (targets). **NLB keeps active sessions mapped to the same targets** (sticky sessions), **performs health checks**, and routes traffic only to healthy targets.
- **NLB is a proxy load balancer**, client connections are terminated at the balancer and mapped 1:1 to connections that the balancer initiates to targets. This is called **two-arm load balancing** because the load balancer has two arms (interfaces) - one facing clients and the other facing targets.
- **NLB provides the following features:**
 - Performance, Scalability, Redundancy and fault tolerance, Deployment flexibility, Reduced or zero downtime, Fully-managed service, High throughput — low latency, Health monitoring, Sticky sessions, High Availability,
- In NLB, you can enable **Proxy Protocol** for targets, to provide enhanced flexibility and compatibility in handling incoming connections.
- **Network Address Translation (NAT):** NAT modifies IP header network address information to direct traffic as it moves from public to private address space. In the context of the Managed Network Load Balancer, this means that client connections are terminated on the load balancer, and the load balancer initiates a dedicated connection with the backend target servers.
- NLB performs destination NAT (DNAT) to map (connect) the clients to the targets. Source NAT (SNAT) is not supported; targets cannot initiate network connections through the load balancer.



VMware-Konditionen bringen User in Bedrängnis

IT-Business

Europäische Cloud-Betreiber:
Broadcoms Verhalten ist fast schon Erpressung
Heise online

Auskunftersuchen wegen VMware:
EU untersucht Broadcoms
Lizenzpraktiken

Computerwoche

Broadcom ditches VMware Cloud Service Providers

The Register

"If you integrate your cloud workloads with the services on an AWS Cloud, Azure or Google Cloud, you almost automatically slip into a kind of vendor login," states Büst. "Basically, you are then no longer able to simply move these workloads to another cloud."

Rene Buest, Principal Analyst Cloud at Gartner

DANGER - #2 geopolitical threats

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Self-determined acting

79 %

A horizontal bar chart with a dark blue background. The bar is filled with a lighter blue color up to the 79% mark, with the remaining 21% being white. The percentage '79 %' is written in white text inside the blue portion of the bar.

Data sovereignty

78 %

A horizontal bar chart with a dark blue background. The bar is filled with a lighter blue color up to the 78% mark, with the remaining 22% being white. The percentage '78 %' is written in white text inside the blue portion of the bar.

Control over data flows and access

77 %

A horizontal bar chart with a dark blue background. The bar is filled with a lighter blue color up to the 77% mark, with the remaining 23% being white. The percentage '77 %' is written in white text inside the blue portion of the bar.

78 percent of companies that state that they are dependent on non-EU providers aim to become more independent.

Infrastructure as a Service (IaaS)

59 %

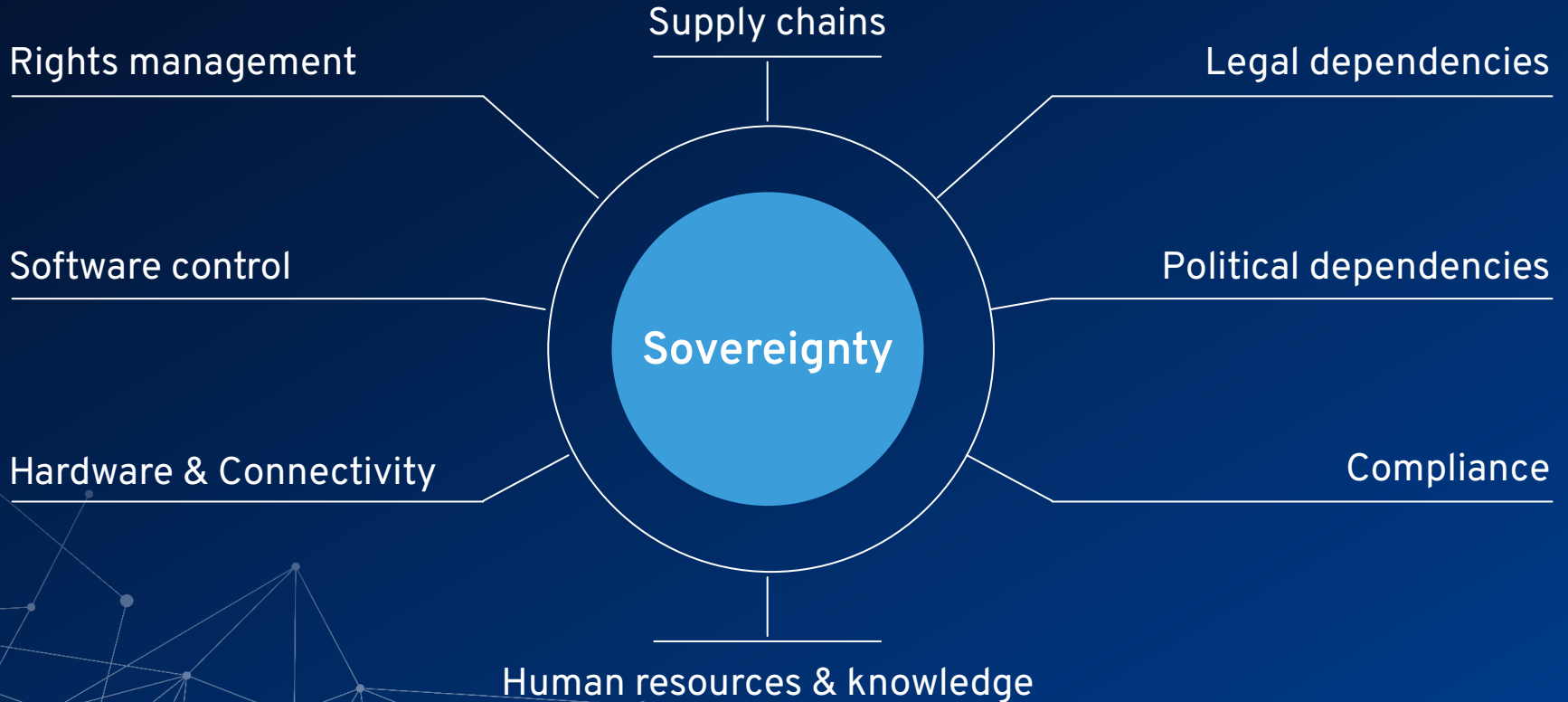


Software as a Service (SaaS)

59 %



Sovereignty is a “bunch of flowers”



No free lunch - joint responsibility

Our Responsibility

Your Responsibility

- 1 Understand demands
- 2 Create a seamless eco-system
- 3 Multi-Vendor-Strategy

- 1 Investment
- 2 Set-up the strategy
- 3 Make use of our offerings

Benefit of both
Resilience, Security, Efficiency

Our part of the investment

IONOS as sovereign and
powerful service provider

1

Open Source

2

Strong Legislation of Data Protection & Privacy

3

Multi-Vendor-Strategy

Our part of investment - IONOS as a sovereign and powerful CSP

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Statement of the CEO:
*“What we can develop -
we should develop!”*

- > 1.500 IT-Engineers
- 32 data centers up to tier 5 certification
- > 100.000 servers in production from different vendors and partly self engineered
- 24/7 Support in local languages
- brought service range across all levels IaaS / PaaS / SaaS



upcoming



New



New

Recent proof points of trust

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“IONOS hat ein überzeugendes Angebot für den Betrieb der On-Premise-Cloud des Bundes vorgelegt, eines der wichtigsten Projekte im Rahmen unserer Multicloud-Strategie”

Christine Serrette,
Technische Vizedirektorin des ITZBund



Informations
Technik
Zentrum Bund



GOVDIGITAL

Feature up - the universe is constantly growing

Compute	Network	Traffic Processing	Storage	Data	Platform	Security	AI	Partner Solutions
Dedicated Cores	IPv4 / IPv6	HTTP Load Balancer	Network Block Storage	PostgreSQL	Kubernetes	MFA	Multimodal Model Hosting	VMware Private Cloud
Virtual CPUs	DNS	Layer 4 Load Balancer	Local Block Storage	MongoDB	Container Registry	Audit Log	Vector DB	Managed Stackable
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VM Autoscaling	NAT Gateway	CDN	File Storage (NFS)	Kafka	Send Email Service	Identity & Access Mgt.	Jupyter Notebooks	
CPU & GPU Bare Metal	Network Security Groups	Web Application Firewall		Full Text DB (e.g. OpenSearch)	Notification Service	Key Mgt. Service	ML Model Fine Tuning	
Confidential Computing	Egress Gateway	Global Load Balancer		Time Series DB (e.g. InfluxDB)	Service Discovery	Secrets Management		
Function-as-a-Service	Routers	Bastion Host		Msg. Broker (e.g. RabbitMQ)	Virtual Desktop	Security Scanning		
Container Instances						TLS Certificates		

GA
 2025
 Further roadmap

Let's change
the world like
this kiss has
film history.





Thank you!

Die direkten Kosten von Ausfallzeiten schmälern das Geschäftsergebnis
Umsatzverluste machen den bei Weitem größten Einzelposten aus, aber auch die anderen direkten
Kosten summieren sich.

\$49 Mio.
Umsatzverlust

\$12 Mio.

Produktivitäts-
verluste

\$11 Mio.

Ransomw-
Zahlung

Beträge sind auf ganze Zahlen gerundet.



Die Schäden durch versteckte Kosten von Ausfallzeiten sind für Leader geringer



Cyber crime

- Damage of 267 billions Euro in Germany
- 8 out of 10 companies affected by data theft, espionage or sabotage
- Top threads: Ransomware, phishing, password attacks

Availability

Unbedingt ergeben die Prozentsätze unter Umständen nicht 100 %.

Quellen unten auf Slide

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Section title one of Summit slide deck



Hosting with cloud power

The way of modern swoop





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Die fünf wichtigsten Learnings

Erfolgreiche Migration
unseres Shop Monolithen
in Cloud Architektur

1 Open Source

2 Strong Legislation of Data Protection & Privacy

3 Multi-Vendor-Strategy

4 Unterschätzt eure Legacy nicht

5 Kontinuierliche Erneuerung

Another Section title of Summit slide deck





