secunet

Digital sovereignty in the cloud

Classification cloud environment

INTERNAL/ PRIVATE

IT resources are provided as a service via the intranet, within the customer network and behind the firewall.
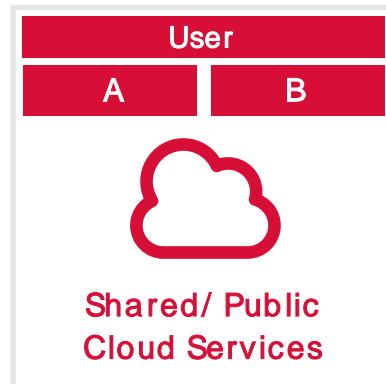
EXTERN/ PUBLIC
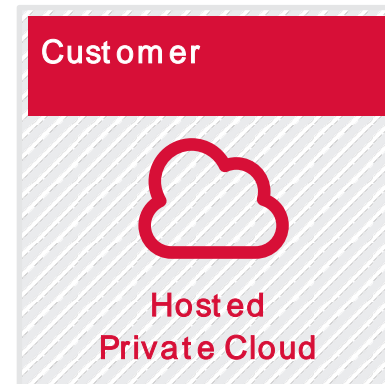
IT resources are provided as a service via the Internet.

HYBRID (MIXED)

IT is provided as a service both internally and externally

MULTI CLOUD

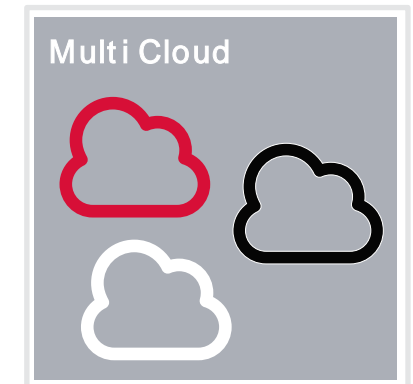IT is provided in parallel itself and combined with hyperscaler services.

Customer data centre **Classic / Managed Private Cloud**	**User** **A** / **B** **Shared/ Public Cloud Services**	**Customer** **Hosted Private Cloud**	**Multi Cloud**

On-Premises / or Managed by secunet

On-Premises / or Managed by secunet

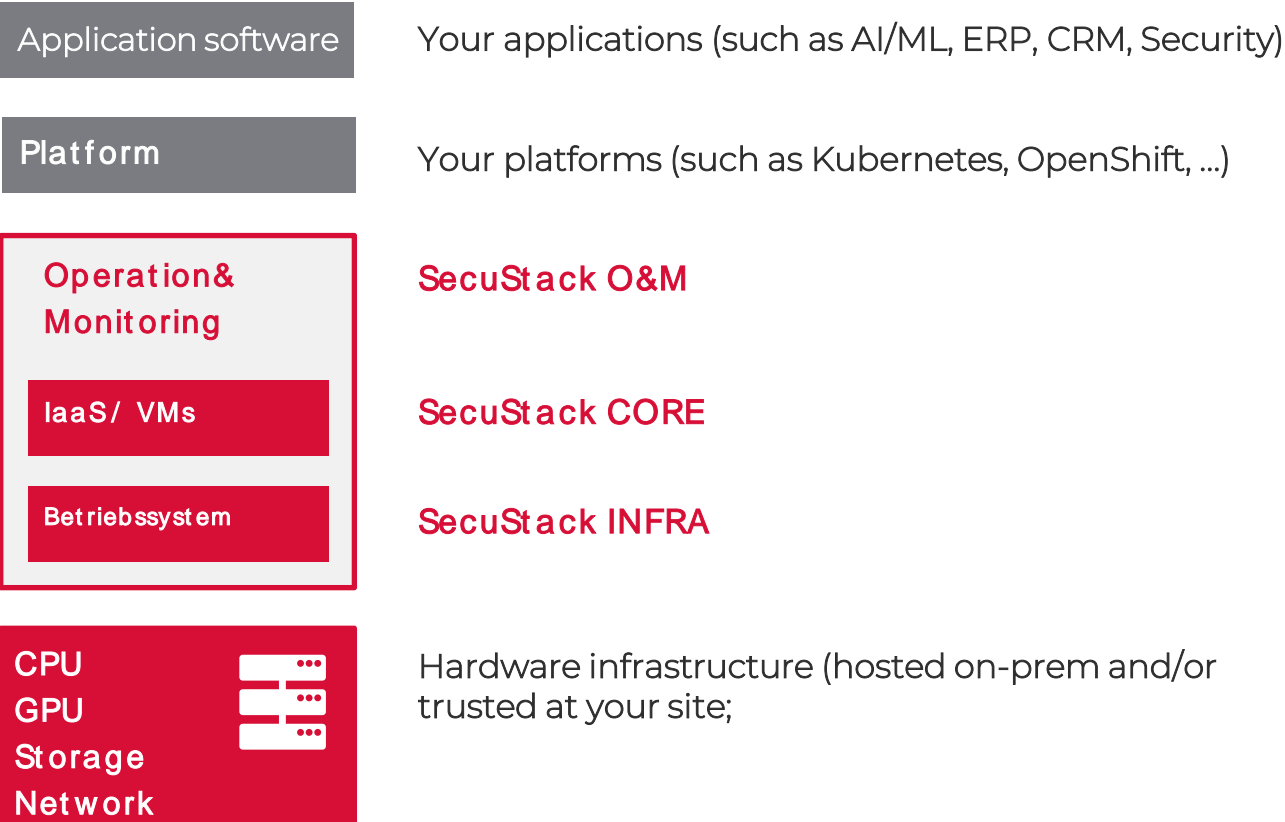On-Premises / or Managed by secunet

Third-party hosted and operated

SecuStack

The secure cloud operating system

- The secure cloud infrastructure solution based on OpenStack, the standard for open source clouds

- Digital sovereignty through strong authentication, encrypted user data and secure client separation

- Easy scaling through automated deployment

- June 2020: SecuStack Demonstrator for Gaia-X (European Initiative for Cloud & Data Sovereignty; Link)

Übermittelt Gespeichert Berechnet Verbunden
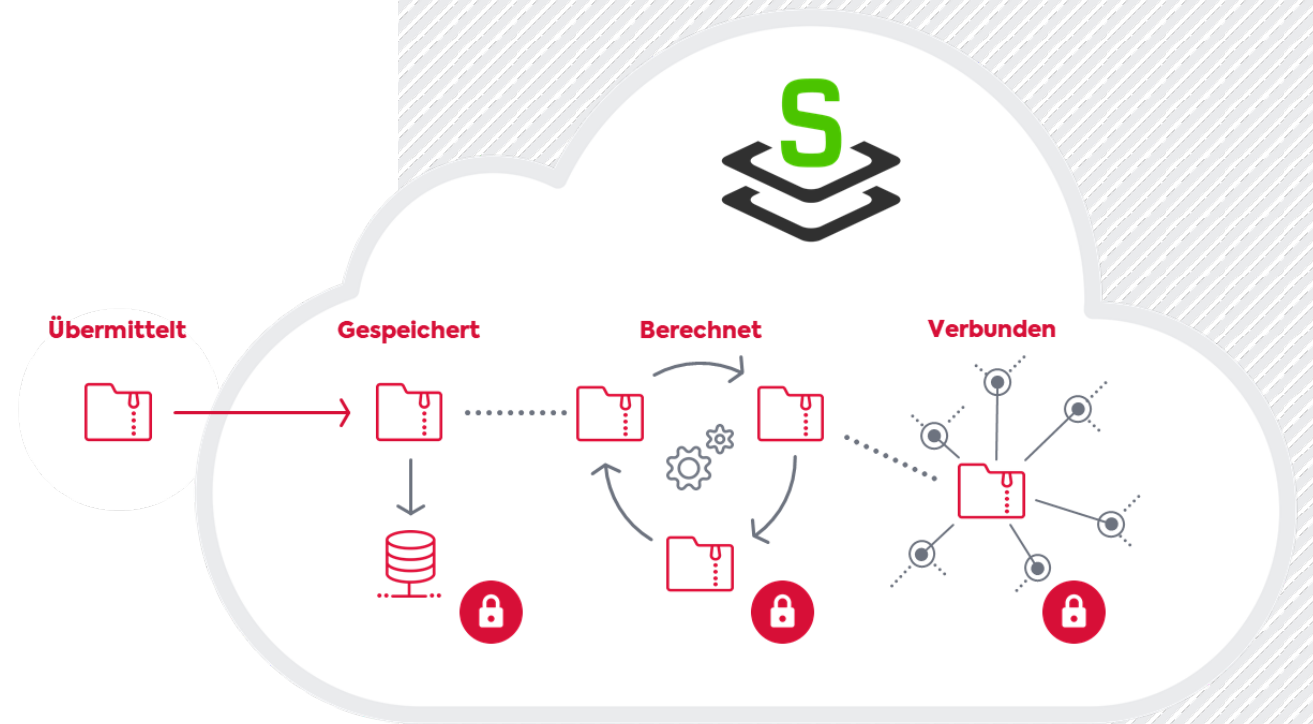
Cloud environment SecuStack

Application software	Your applications (such as AI/ML, ERP, CRM, Security)
Platform	Your platforms (such as Kubernetes, OpenShift, …)

Operation & Monitoring

SecuStack O&M

IaaS/ VMs

SecuStack CORE

Betriebssystem

SecuStack INFRA

CPU GPU Storage Network

Hardware infrastructure (hosted on-prem and/or trusted at your site;

Planned modules

- Managed Kubernetes on SecuStack
- Security-aware cloud applications on SecuStack (secunet Room, PKIaaS, etc.)

# Digital sovereignty from the trusted cloud platform

SecuStack
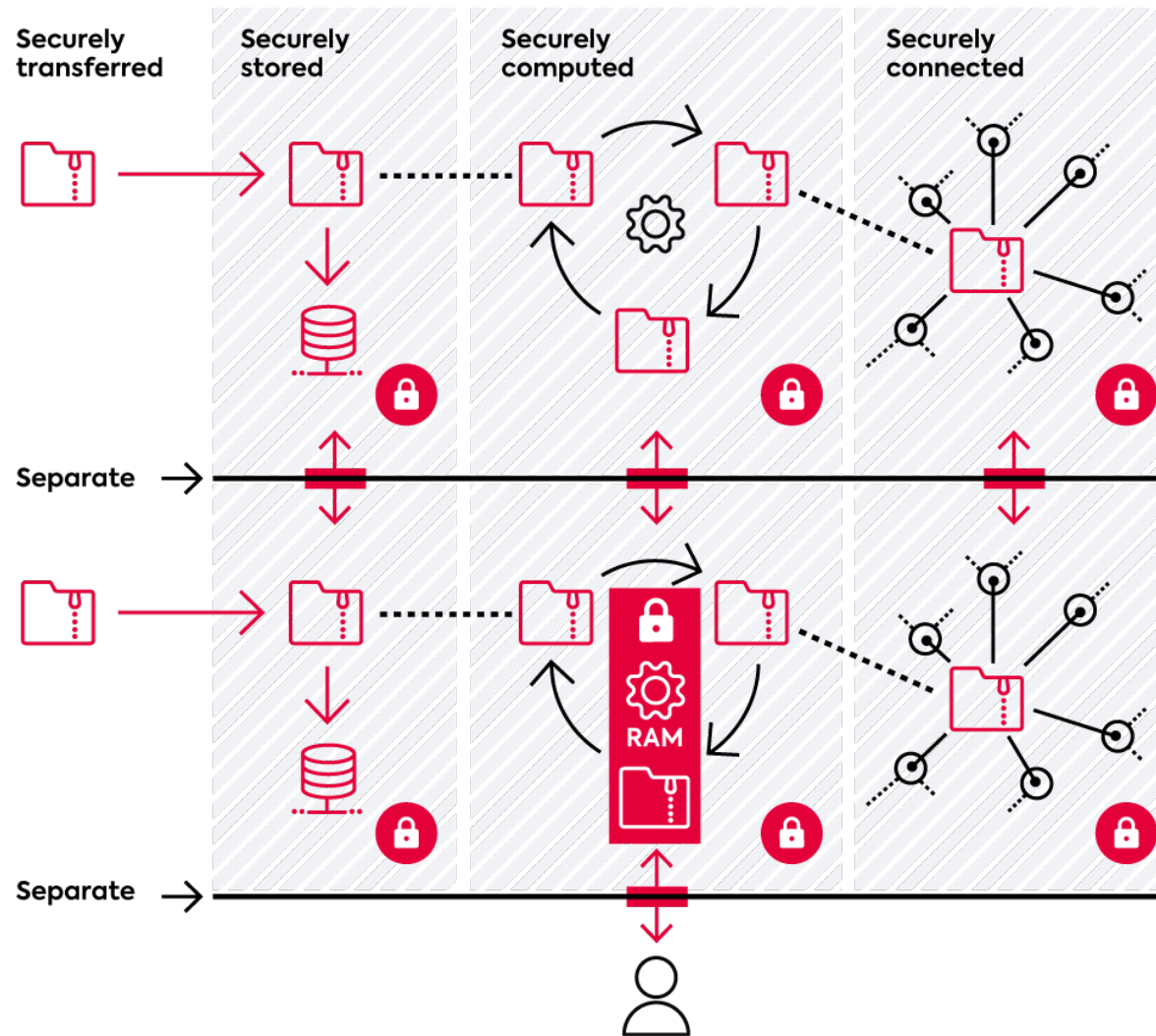
Cloud - Security guarantees

- Full control over cloud infrastructure

- Open source based and auditable

- Strong authentication and encryption of user data

- Key management in your own hands

- Secure client separation

- Made in Germany

Bundesministerium für Wirtschaft und Klimaschutz

IPCEI – Next generation cloud infrastructures and services
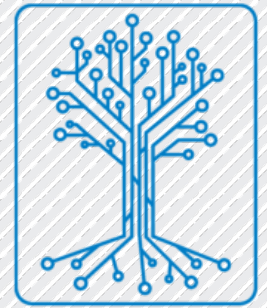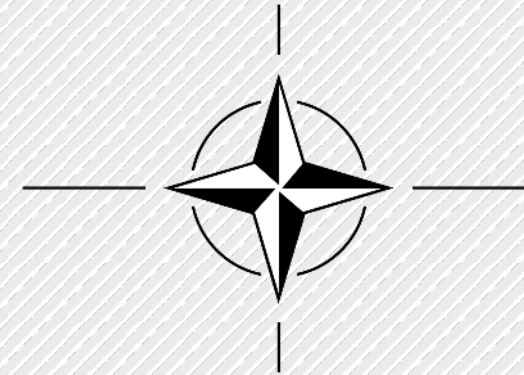
GAIA-X
daten-infrastruktur.de

IBM

Red Hat

OSB Open Source Business **ALLIANCE**
Bundesverband für digitale Souveränität e.V.

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