VIRTUAL FORT KNOX

The only open cloud IT platform for the manufacturing industry.

www.VirtualFortKnox.de
VIRTUAL FORT KNOX IS THE ONLY OPEN, FEDERATIVE MANUFACTURING CLOUD-IT PLATFORM IN GERMANY.

THE INTERNET OF THINGS (IOT) IMMEDIATELY CHANGES THE BUSINESS LOGICS OF THE PRODUCTION INDUSTRY. A NEW LEVEL OF SERVICE ORIENTATION IS CREATED IN THE PRODUCTION ENVIRONMENT. THE PROGRESSIVE DIGITIZATION OF PRODUCTION PROCESSES REQUIRES MODULAR AND FLEXIBLE SOFTWARE SOLUTIONS (INDUSTRY 4.0).

Virtual Fort Knox (VFK) provides manufacturing companies with efficient and secure access to vendor-independent IoT software solutions. VFK connects software and equipment vendors with manufacturing companies by providing a secure platform for the cloud (Platform as a Service) and an open marketplace environment for IT services and applications.

With the help of VFK, manufacturing companies are digitizing their factory processes to implement their Industry 4.0 strategy, thus realizing considerable increases in efficiency. VFK solves today’s problems between production and IT in the middle class. From now on software solutions can be implemented intuitively within minutes, IT costs are lowered permanently.

The VFK Cloud IT architecture ensures business continuity and company data through a BSI-certified German server center. If required, VFK also offers private cloud solutions. With a pay per use logic, services can be switched on and off at any time.

As a software or equipment provider, you can already be active today with a proof of concept on our VFK research platform. You benefit from our attractive start package and save any set-up costs. Feel free to contact us.
SAFE VIRTUAL FORT KNOX
CLOUD ARCHITECTURE

SECURITY IS A VERY CENTRAL PROCESS STEM FOR US. WE WANT YOU TO MAKE OUR CLOUD INFRASTRUCTURE PAYABLE, SAFE AND FLEXIBLE CONFIGURABLE. THIS IS WHY WE PARTICI-PATE WITH HEWLETT PACKARD ENTERPRISE ON THE “SECURITY-BY-DESIGN PRINCIPLE”.

VFK SAFETY HOUSE

DATA SECURITY
- HP security technology
- HP security settings & monitoring
- External identity management
- Cell structure
- Certification standard

STATE OF THE ART SERVER INFRASTRUCT
- Physical security (including server location DE, redundancy, server access control)
- Network security
- Software security
- Operational safety

SECURITY OPERATION CENTER
- Recovery functions
- 24/7 monitoring
- Automated incident management
- Event handling
- Reporting system

IDENTITY & ACCESS MANAGEMENT
- Production network wide directory / roles / rights management
- Access protection
- Authentication and authorization
- Individual KPIs

TRANSPARENCY:
Democratic and federal principles, knowledge and identification base, standardization

COMMUNICATION:
Personal communication, trusted communication channels
**VIRTUAL FORT KNOX**
- Secure VFK Cloud (Fig. VFK portal)
- Private cloud for your organization

**VFK PORTAL**
- Homogeneous usage environment for service users, service providers and platform operators

**CENTRAL PLATFORM MANAGEMENT**
- Marketplace management and ensuring the VFK platform standards
- Management and monitoring of the cell infrastructure
- Service accounting with metering and billing of individual pricing models

**DECENTRAL VFK CELLS**
- Your safely encapsulated VFK cell
- For service users and service providers
- Decentralized service provision, use and administration as a self-service
- Service orchestration using the VFK Infrastructure and VFK Basic Services (e.g., Manufacturing Service Bus)
- Maintenance of your own service catalog as a self-service
- Self-administered individual rights management for mapping the organization structure
- Automation of own services via entire service lifecycle

**VFK INFRASTRUCTURE**
- Fully transparent infrastructure deployment for computing, storage, networking, etc.
ADVANTAGES OF THE VIRTUAL FORT KNOX STRATEGY

THE VFK PLATFORM PAYS VALUE FOR SOFTWARE PROVIDERS, EQUIPMENT PROVIDERS AND MANUFACTURING COMPANIES.

- Access to Industry 4.0 business models
- Integration of the VFK platform into your own product architecture
- Scalable distribution channel
- Opening up new customer segments, cross-selling, high visibility in the app store
- Easily configurable cloud infrastructure
- Flexible configuration of software solutions
- Automatic billing and receivables management
- Big Data for process optimization
- Highest data and operational security

FAST, EFFICIENT AND SCALABLE
PARTICIPATE EARLY WITH A PROOF OF CONCEPT

ARE YOU INTERESTED TO OFFER YOUR SOFTWARE SOLUTIONS EARLY?

You can start working on our VFK research platform today with a proof of concept. You benefit from our attractive start package and save any set-up costs.

Together with you, we determine the most suitable configuration for you based on your wishes and needs, and set it up directly.

After a short while you will receive a personal service provider cell and a personalized VPN access, which can be equipped with individual rights for each employee. Due to our extensive documentation and our first-level support, you will soon be able to use your instance in the cloud independently.

FEEL FREE TO CONTACT US!
You receive prices on request.
Be among the first and use the following contact options:

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