

Virtual Desktop Infrastructure in Technical Computing

A VDI environment in the local data center of the Cloud enabled your engineers and developer to work from anywhere, with any device in controlled an secure way.

With our longtime experience in Technical Computing, we support you to find the VDI solution appropriate to your individual requirements. We create an appropriate solution architecture, migrate it into a smoothly working productive system and support you in its operation.

Reasons for using VDI in Technical Computing

- Efficient access to centrally stored data by direct connection of VDI servers to the storage
- Universal access to personal VDI desktop from any device and from any location.
- Simultaneous access to VDI desktops without blocking the local desktop
- Smoothly continue working on the VDI desktop after discontinuations and at changes of working locations (from home, in the office, at the test bench, on the way, etc.)
- Secure access to your critical data by business partners and suppliers via a secure VDI solution
- Efficient use of a high-end visualization infrastructure

What we can do for you

Evaluation of your operational scenario

- Consulting regarding the appropriate VDI methodology
- Testing your individual operating scenarios in a demo environment

Virtualization concepts

- Definition of the solution architecture
- Implementation of your security and data security requirements
- Planning an operation concept
- Consulting regarding the selection of licenses required

Conceptual design of operation

- Client deployment scenarios
- Application virtualization
- Software deployment and updates
- Backup and disaster recovery solutions
- Monitoring of the VDI environment
- Anti-virus solutions for VDI

Implementation

- Installation of VDI and testing
- Support and consulting in the pilot phase
- Optimization of your VDI environment
- Support regarding problems
- Providing the licenses required

Operation and operational support

- Virtual servers
- Physical servers, storage and backup
- Virtual clients
- Packaging virtualized applications

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Our expertise and experience

- Experience with VDI projects in Technical Computing
- Virtualization, storage, backup, security
- Operation of CAx environments
- Knowledge about CAx applications
- Evaluation processes and workflows in CAx workflows
- Remote applications for distributed computations and working models

Your benefits

IT/administration

- Patch the operating system simply
- Have the desktop quickly and highly available
- Offer applications independent from location and patch them simply to operate different versions of one application in parallel easily
- Secure your data by using administrated thin clients
- Manage your desktop security centrally
- Provision desktop quickly and automated * Restore the productive status quickly in case of problems
- Integrate mobile devices smoothly

Users

- Reliable working environment
- Quick operational readiness
- Continuous online access to own desktop
- Remote access with all device classes and all operating systems
- Use of media, video and audio
- Offline mobility
- High server and application availability
- Quick data processing without the usual protracted file transfers
- Simultaneous work on VDI client and local desktop

Management

- Higher productivity of users by increasing rate of work processes
- Lower costs by centralized desktop infrastructure
- Secure data access for partners and suppliers

Success Story

Design und operations of a large scale VDI environment for an Automotive Manufacturer.

Atos made a proof of concept with the key Linux CAE engineering 3D applications. Network connections of different quality were simulated and two different products were compared. After positive ratings of the performance by the end users, Atos worked out an operating concept for the virtual environment being suitable for the enterprise. Atos installed and configured the VDI environment with VMWare Horizon and - after a pilot operating phase to optimize the usage scenarios and processes - transferred it to live operation. Today an HA VDI cluster, equipped with high-end NVIDIA GPUs provide a secure and easy-to-use flexible workspace for the in-house engineers as well as external suppliers.

About Atos

Atos is a global leader in digital transformation with 105,000 employees and annual revenue of over € 11 billion. European number one in cybersecurity, cloud and high performance computing, the Group provides tailored end-to-end solutions for all industries in 71 countries. A pioneer in decarbonization services and products, Atos is committed to a secure and decarbonized digital for its clients. Atos operates under the brands Atos and Atos|Syntel. Atos is a SE (Societas Europaea) listed on the CAC40 Paris stock index.

The purpose of Atos is to help design the future of the information space. Its expertise and services support the development of knowledge, education and research in a multicultural approach and contribute to the development of scientific and technological excellence. Across the world, the Group enables its customers and employees, and members of societies at large to live, work and develop sustainably, in a safe and secure information space.

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