



SIEMENS

Ingenuity for life

Industry Services

SIMATIC Virtualization as a Service



Technology-based services for a greater competitive edge

Minimum downtime and the optimum use of staff and resources are key to sustainable success in industry. Siemens provides the basis for greater productivity, flexibility, and efficiency with technology-based services throughout the lifecycle of an industrial plant – reliably, globally, and around the clock. In-depth technology and product knowledge as well as industry expertise within Siemens' global network of experts ensure a considerable competitive edge.

The challenge:

Optimum maintenance and modernization of PC-based control systems

Apart from the maintenance of the hardware platform, updates and maintenance of the installed software components are particularly crucial for the lifecycle costs of a PC-based control system.

The customer needs are concentrated especially on the following items:

- Optimum use of existing hardware
- Simple system expansions/updates
- Central administration and maintenance
- Fast and competent service
- Solutions from a single source
- High plant availability

An efficient update, maintenance, and modernization of the system components, therefore, include a substantial potential for optimization.

The solution:

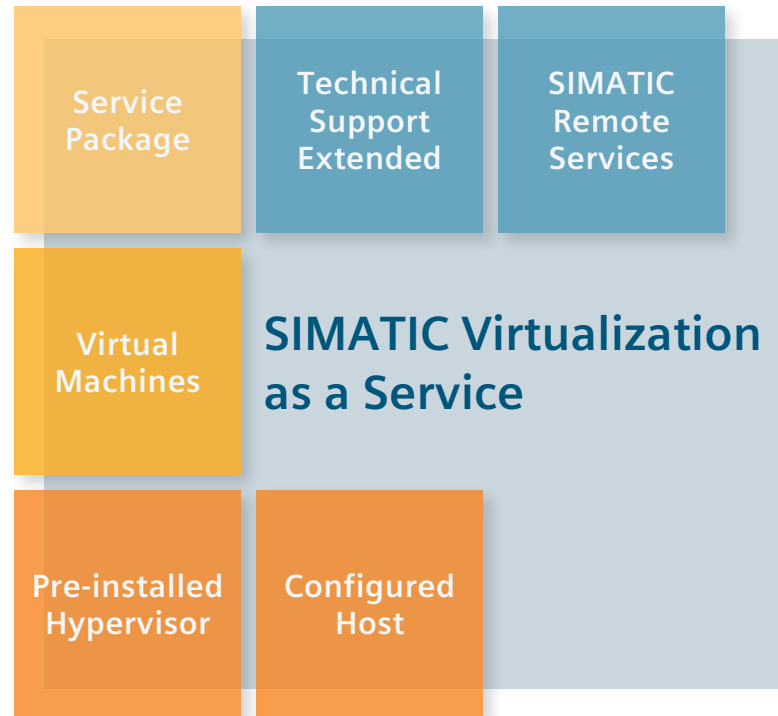
SIMATIC Virtualization as a Service

The integration of IT technologies into the industrial environment opens up innovative concepts, such as system virtualization. SIMATIC Virtualization as a Service facilitates the customers' introduction to this future-oriented technology. The customers receive the Lifecycle Service required for the virtualization solution, including the suitable software and hardware components, perfectly coordinated from Siemens Industry Services.

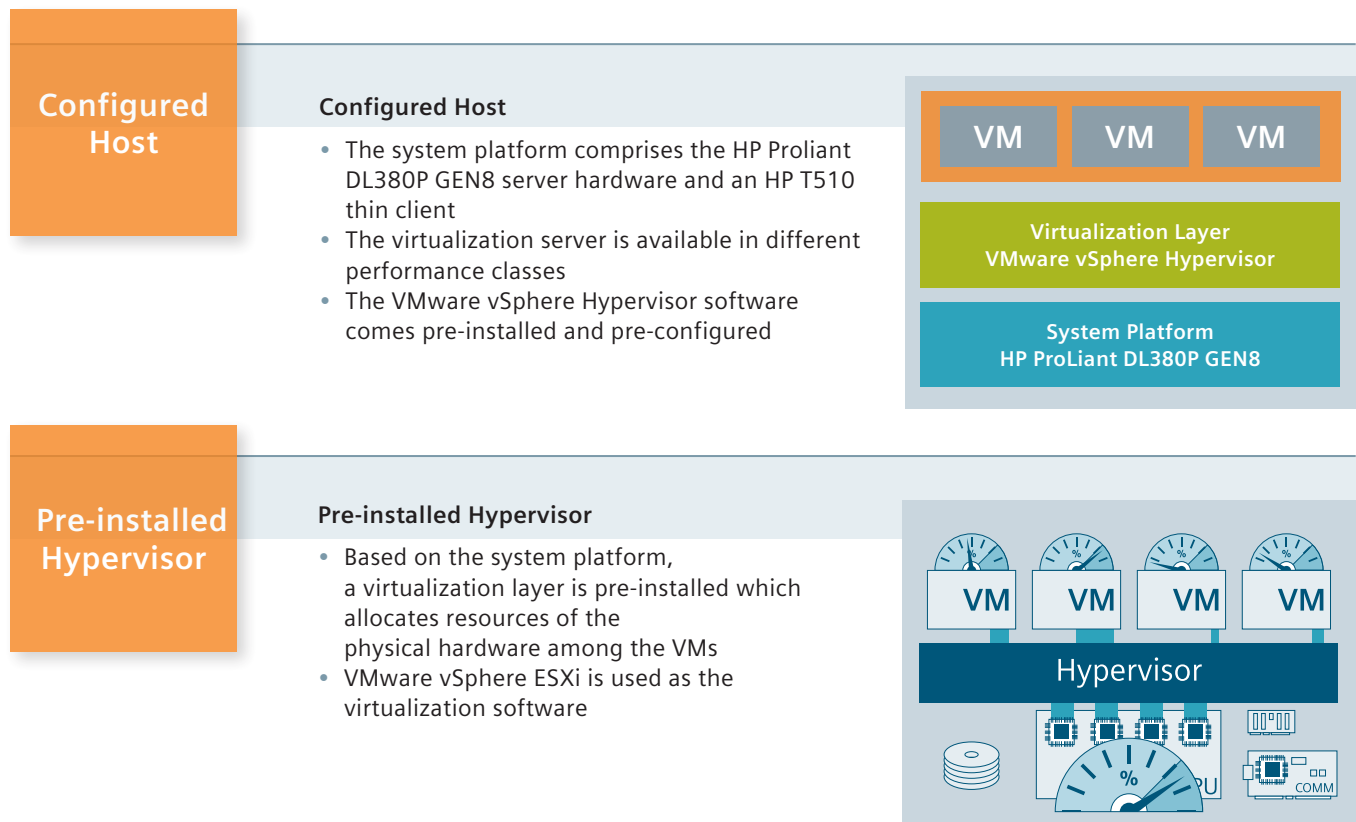
SIMATIC Virtualization as a Service includes:

- Setup of the virtualization server
- Configuration of the virtual machines
- Installation and configuration of the operating system
- Installation of the SIMATIC software ready for use

Siemens Industry Services also provides comprehensive support during the lifecycle of the virtualization system. Technical Support offers customers assistance for all technical questions on the function, use, and management of the system components. More extensive system-specific consultation can be provided efficiently within the scope of SIMATIC Remote Services (SRS).



The portfolio: SIMATIC Virtualization as a Service



Virtual Machines

Virtual Machines

- Based on the system platform, a VM is delivered in ready-to-run condition.

A choice of the following VMs is available:

Microsoft Windows Server

SIMATIC PCS 7 OS Server

SIMATIC PCS 7 Web Server

Microsoft Windows

SIMATIC PCS 7 ES / OS Client

SIMATIC PCS 7 OS Client

Service Package

Service Package

- Pre-installation and configuration of the servers is included in the scope of deliveries
- System documentation includes documentation of the employed HW and SW components, technical manuals, instructions, and examples of applications
- Technical Support can be extended for a year at a time after two years
- A contact person for all questions
- Custom support from experienced experts (phone/email)
- Optional: SIMATIC Remote Support for fast, efficient support
- Handling of questions about functions and use of systems
- Coverage of all employed technologies, products and systems (server hardware, operating systems, SIMATIC products, VMware (VM = virtual machine))
- Coordination of support activities for components from third-party providers

Technical Support

User System Documentation

Installation & Configuration

SIMATIC Remote Services

SIMATIC Remote Services

- Efficient: Experts can connect with the system directly, worldwide, without call-out or travel time
- Capable: Excellent support from suitable experts
- Modular: SRS can be adjusted in stages to actual needs
- Complete: The remote infrastructure is provided, associated support and maintenance are included

Technical Support Extended

Technical Support Extended

- If a technical question is expected to go beyond one hours of handling time, the case is treated as Technical Support "Extended."
- The assigned Siemens Service Specialists have extensive expertise in engineering, system commissioning and system testing

Technical Support

Basic

Priority

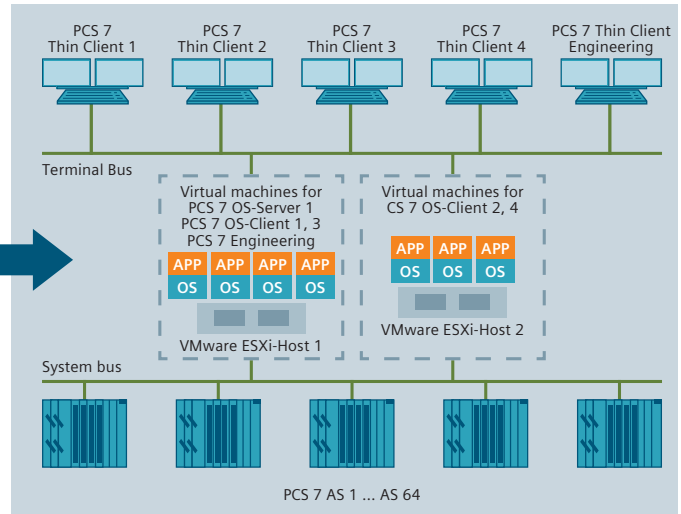
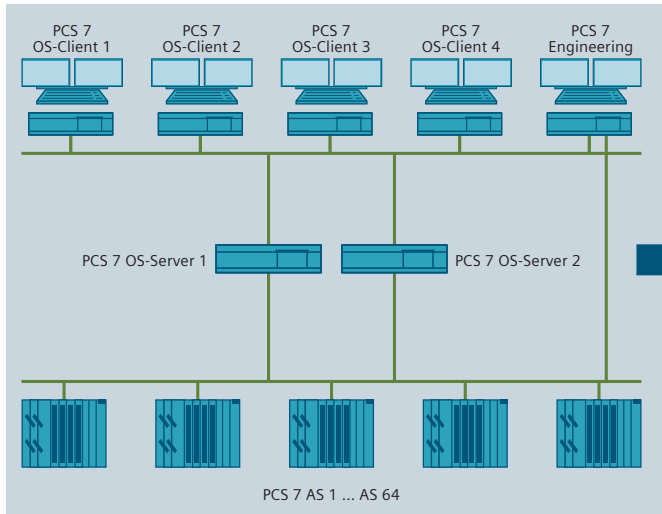
24h

Mature Products

Remote Classic

Extended

Support Contracts



Example: Automation system before and after virtualization

One-Stop-Shop



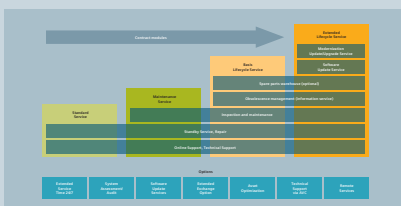
Virtualization solution via MLFB



Pre-installation and configuration



Technical Support



Lifecycle Service

Customer benefits:

Siemens Industry Services helps customers find the right virtualization solution reliably, quickly, and at optimal costs

- Lifecycle services for SIMATIC products, VMware, hardware and software from a single source
- Simple implementation of a virtualization solution, with prefabricated, configured, ready-to-use, tested systems
- Cost-effective and fast expansion of system components with ready-to-run templates

- Optimum use of existing hardware resources
- Greater system flexibility and availability
- Lower expense and effort for system upgrades & updates
- Easy system management and all-inclusive support in conjunction with SIMATIC Remote Services (SRS)
- Reduction of lifecycle costs of the system through improved energy efficiency

Siemens Industry Inc.
100 Technology Drive
Alpharetta, GA 30005

1-800-333-7421
usa.siemens.com/services



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