Datasheet

PRIMEFLEX for SAP HANA® on VMware® vSAN

Implementation Pack (Germany only)

Introduction
Fujitsu offers SAP HANA® on PRIMEFLEX for VMware® vSAN based on the SAP HANA® hyperconverged infrastructure [HCI] certification. PRIMEFLEX for VMware® vSAN simplifies the deployment of a VMware® based HCI to run SAP landscapes of any kind including SAP HANA® databases virtualized in one common platform. The Implementation Pack delivers a best practice hyperconverged infrastructure that is fully pre-tested and pre-configured to support 1 to 4 SAP HANA® instances per vSAN node from 3 up to 64 vSAN nodes in one cluster. An additional Cluster Extension Pack can be purchased to extend an already installed cluster with further nodes. It can be extended in steps of one or more nodes up to the maximum total of 64 nodes.

To ensure service quality and ongoing support assurance, PRIMEFLEX Implementation Packs can only be delivered by a Certified PRIMEFLEX Implementation Engineer.

Benefits
PRIMEFLEX for SAP HANA® on VMware® vSAN architecture allows you to start small and then grow the physical environment to meet your actual needs. Simplified daily operation of SAP landscapes including SAP HANA® and flexibility to be adapted for future demands.

PRIMEFLEX for SAP HANA® on VMware® vSAN - Implementation Pack

- The Start Base Implementation Pack defines the new PRIMEFLEX base solution and includes the default setup tasks. Please note that the Start Base does not include any nodes.
- The Node Pack is used to cover the tasks required to prepare and add each node into the Cluster. This can be used for deployment at initial purchase time or to expand the Cluster at a later date in conjunction with a Cluster Extension Base pack.
- The ClusXT Base is used to extend an existing cluster at a later date (system expansion).
- The Time Pack is used to provide additional cost coverage. It should only be used with the agreement of the central implementation teams.

<table>
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<tr>
<th>Order codes</th>
<th>PRIMEFLEX for SAP HANA on VMware vSAN Start Base: FSP:G-IM28200PRSER</th>
<th>PRIMEFLEX for SAP HANA on VMware vSAN ClusXT Base: FSP:G-IM28400PRSER</th>
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Service in detail

Our Service Offering
The ImplementationPack PRIMEFLEX for SAP HANA® on VMware® vSAN Start Base and ClusXT Base delivers the following services:

- Customer Interview to capture the customer’s requirements and network infrastructure.
- Production of a Low Level Design that satisfies the Customer’s existing network design.
- Product acceptance testing.
  - Acceptance testing
  - Resiliency testing
- Formal Handover documentation with all relevant SW version details and settings along with default passwords employed.
- Completion of Ready-4-Service Documentation
- Online activation of Fujitsu SolutionPacks

The ImplementationPack PRIMEFLEX for SAP HANA® on VMware® vSAN Node Pack delivers the following services:

- Installation of the Certified components into the customer’s Data Center.
  - PRIMERGY compute nodes
  - Approved Network switches
- All in-rack power and network cabling.
- Setup of remote access for remote deployment and ongoing support.
- OS Guest Template Installation and definition of the VM-nodes
- Configuration of all devices against the Low Level Design.
- Installation of Host ESXi software.
- Installation of all solution appliances including vCenter.
- SAP-HANA® Installation and customizing of the VM-nodes.
- Configuration of components vs. prevalidated SAP HANA® VMware® vSAN design.
- SAP HANA® specific parameter settings.
- Joining of the guest to an existing active directory domain.

Pre-requisites
- The required infrastructure (connections for the power supply, LAN etc.) including the necessary building cabling, are to be provided by the customer in such a way that they can be connected to the system.
- Basic configuration parameters, such as IP addresses and host names are defined. The customer provides the appropriate license keys.
- The Ready-4-Service (R4S) workflow and related documentation ensure smooth hand over from the deployment to operation and, in addition, configuration changes and updates during the service period. When the contract starts, service readiness of the Fujitsu Integrated System is verified by Fujitsu. Therefore, the customer is required to support Fujitsu as necessary, in particular in recording required system configuration and third party contract data at initial implementation.
- Delivery of implementation activities and ongoing support assumes that immediate remote access is available for Fujitsu. If the customer is unable to provide remote access the services described can only be provided in a restricted manner and the contractual service levels cannot always be met.
- The Base ImplementationPack must be purchased within 90 days of the PRIMEFLEX for SAP HANA® on VMware® vSAN.

Service Delivery
The packages are delivered in local business hours (M-F 9x5). The service can be delivered outside of these times but will be subject to additional charges that can be quoted on request. PRIMEFLEX provides both installation and implementation services in one package. Completion of on-site installation tasks includes confirmation of remote access to enable implementation activities to be completed by central consultants.

Product Deployment Portal (PDP)
For maximum efficiency, it is strongly recommended that PRIMEFLEX ImplementationPacks are implemented with the aid of Fujitsu’s Product Deployment Portal. The PDP provides automatic scripting and documentation creation tailored to each customer solution and is used in all stages of the customer engagement, from initial presales consultation and design, to project management, Installation, Implementation and post-sales enablement.

AIS Connectivity
For customers requiring an enhanced SLA based support service, Fujitsu recommends the use of the AIS remote connection/autocall service. The ImplementationPack for each node includes the configuration of AIS into an existing infrastructure. If no AIS infrastructure exists, we offer an AIS Gateway service.
**Travel Expenses**  
Travel cost for PRIMEFLEX Implementation Packs sold and delivered in Germany is included as standard.

**Out of Scope**  
Check of prerequisites services, SAP Application Installation services, System/Application Backup services, Management Services, Integration services, Data migration services, SAP HANA® migration services, System Health Check or building of any SAP HANA® High Availability and Disaster & Recovery services (excluding any SAP HANA® Databases that is part of the standard delivery in the basic service).

**PRIMEFLEX Ready2Operate**  
The PRIMEFLEX Implementation Pack is completed with the handover of a pretested HCI solution connected to the customers' network. Additional services such as Active Directory integration or Data migration are not included and must be added separately.

PRIMEFLEX Ready2Operate Consultancy Services are available in Germany and can be employed to bridge the gap between the standard Implementation Pack and the specific needs of the customer.

To enable the correct technical engagement to support a successful project, Ready2Operate is time-based by the day and orderable via a standard code. For more information, please see the Guidance Paper.

**Service Applicability**  
The Implementation Pack Start Base is only applicable to a new PRIMEFLEX for SAP HANA® on VMware® vSAN cluster with a minimum of 3 Nodes. It cannot be applied to grow an existing PRIMEFLEX for SAP HANA® on VMware® vSAN cluster.

The Implementation Pack ClusXT Base is only applicable to a growing an existing PRIMEFLEX for SAP HANA® on VMware® vSAN cluster.

**Example Scenarios**  
A customer purchasing a 6 node cluster as an initial starting PRIMEFLEX on SAP HANA® for VMware® vSAN requires:
1 x Implementation Pack PRIMEFLEX for SAP HANA on VMware vSAN Start Base  
6 x Implementation Pack PRIMEFLEX for SAP HANA on VMware vSAN Node Packs

A customer purchasing 4 node clusters across two sites as an initial starting PRIMEFLEX on SAP HANA® for VMware® vSAN requires:
2 x Implementation Pack PRIMEFLEX for SAP HANA on VMware vSAN Start Base  
8 x Implementation Pack PRIMEFLEX for SAP HANA on VMware vSAN Node Packs

A customer purchasing 2 nodes enlargement for existing PRIMEFLEX for SAP HANA on VMware vSAN requires:
1 x Implementation Pack PRIMEFLEX for SAP HANA on VMware vSAN ClusXT Base  
2 x Implementation Pack PRIMEFLEX for SAP HANA on VMware vSAN Node Packs

**Legal Information / General Terms and Conditions**  
In addition to this data sheet, which includes a final list of the features of the services, the general business terms and conditions of the respective local Fujitsu entity for the performance of the services in its respective local version shall apply.

Please refer to: Terms and Conditions
More information

Fujitsu products, solutions & services
Fujitsu provides a range of platform solutions. They combine reliable Fujitsu products with the best in services, know-how and worldwide partnerships.

Fujitsu Portfolio
Built on industry standards, Fujitsu offers a full portfolio of IT hardware and software products, services, solutions and cloud offering, ranging from clients to datacenter solutions and includes the broad stack of Business Solutions, as well as the full stack of Cloud offerings. This allows customers to select from alternative sourcing and delivery models to increase their business agility and to improve their IT operation's reliability.

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Fujitsu green policy
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Using our global know-how, we aim to contribute to the creation of a sustainable environment for future generations through IT.
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