

# Data Sheet

## PRIMEFLEX for VMware vSAN ImplementationPack

Product Related Services for IT Hardware



### INTRODUCTION

Fujitsu offers a PRIMEFLEX for VMware vSAN ImplementationPack to build a vSAN environment into a reliable fully functional infrastructure that is completely ready to receive VM guests.

The PRIMEFLEX for VMware vSAN ImplementationPack delivers a standard pre-tested infrastructure design from a minimum starting configuration of 3 nodes capable of being expanded in steps of 1 or more nodes up to the maximum total of 16 nodes.

Alternatively, there is an ImplementationPack for a 2 node switchless vSAN cluster, suitable for use in remote locations. The 2 node ImplementationPack cannot be expanded.

### BENEFITS

PRIMEFLEX for VMware vSAN architecture allows you to start small and then grow the physical environment to meet your actual needs even allowing the ability to then subsequently reduce the physical environment and save running costs or redeploy nodes elsewhere (subject to the minimum node count of 3). The PRIMEFLEX for VMware vSAN ImplementationPack supports and underlines this flexibility.

### PRIMEFLEX for VMware vSAN ImplementationPack

Fujitsu's PRIMEFLEX for VMware vSAN ImplementationPack comes in four variants:

- Base ImplementationPack that enables the operation of a new PRIMEFLEX vSAN cluster of 3 Nodes installed into your infrastructure ready to receive guest VMs.
- A Cluster Extension 1 Node ImplementationPack for the first additional node added to an existing cluster at a later date (system expansion).
- An Additional Node ImplementationPack that can be used to expand a Base ImplementationPack up to the number of nodes you wish to deploy at initial purchase time; or to expand a Cluster Extension ImplementationPack up to the number of nodes you wish to deploy at a later date.
- An EdgeHCI 2 Node ImplementationPack that enables the operation of a new PRIMEFLEX 2- Node Switchless vSAN cluster installed into your infrastructure ready to receive guest VMs.

### Ordering PRIMEFLEX for VMware vSAN ImplementationPack

#### PRIMEFLEX for vSAN Base 3 Nodes

FSP:G-IN05200PRSER SP Sol Imp PF VSAN Base 3 Nodes

#### PRIMEFLEX for vSAN Additional Node

FSP:G-IN05500PRSER SP Sol Imp PF VSAN Add.Node

#### PRIMEFLEX for vSAN Cluster Extension 1 Node

FSP:G-IM18700PRSER SP Sol Imp PF VSAN ClusXT 1 Node

#### PRIMEFLEX for vSAN Edge/HCI 2 Nodes (vSAN ReadyNode Only)

FSP:G-IM18800PRSER SP Sol Imp PF VSAN EdgeHCI 2 Nodes

# Service in detail

## OUR SERVICE OFFERING

The ImplementationPack PRIMEFLEX for vSAN Base 3 Nodes and the ImplementationPack PRIMEFLEX for vSAN Edge/HCI 2 Nodes (vSAN ReadyNode only) deliver the following services:

- Hardware installation of the components into the customer's location.
- All in-rack power and network cabling.
- Configuration of all devices against a pre-validated design.
- Installation of all Host ESXi software.
- Installation of ISM for PRIMEFLEX (vSAN Appliance only).
- Installation of vCenter Server Appliance.
- Configuration of vSAN Cluster.
- Full acceptance testing which includes:
  - Access testing
  - Resiliency testing
- Formal handover with documentation of all relevant software version details and settings along with default passwords configured.
- Completion of Ready-4-Service Documentation.
- Online activation of Fujitsu SolutionPacks.

The ImplementationPack PRIMEFLEX for vSAN Cluster Extension 1 Node delivers the following services:

- Hardware installation of the components into the customer's location.
- All in-rack power and network cabling.
- Configuration of all devices against the previously defined design.
- Installation of all Host ESXi software.
- Integration into the existing cluster.
- Full acceptance testing of the new host.
- Formal handover with updates to the Fujitsu Handover documentation.
- Completion of Ready-4-Service Documentation
- Online activation of Fujitsu SolutionPacks

- The ImplementationPack PRIMEFLEX for vSAN Additional Node expands the Base 3 Node, or the Cluster Extension 1 Node services, to cover one additional node implemented at the same time.

## PRE-REQUISITES

- The required infrastructure (connections for the power supply, LAN, Fibre Channel, SCSI, 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 rejects setting up remote access, or it cannot be configured for other reasons, the services described can only be provided in a restricted manner and the contractual service levels cannot always be met.

- The ImplementationPack must be purchased either with the PRIMEFLEX for VMware vSAN, or 90 days thereafter.

## SERVICE DELIVERY

The packages are delivered (9x5, local business hours) 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.

## TRAVEL EXPENSES

Travel cost for hardware installation is included as standard. Implementation is assumed to be delivered remotely and, therefore, no travel costs are included in Implementation Pack pricing outside of DE, AT and CH. If a requirement dictates that implementation activities must be delivered on site then the associated costs will be charged additionally.

## OUT OF SCOPE

Any data migration services, VM migration services, or building of VM guests (excluding any management VMs which is part of the standard delivery in the basic service).

## SERVICE APPLICABILITY

The ImplementationPack PRIMEFLEX for vSAN Base 3 Nodes is only applicable to a new PRIMEFLEX for vSAN cluster and cannot be applied to grow an existing PRIMEFLEX for vSAN cluster (use the vSAN Cluster Extension to grow an existing cluster).

The ImplementationPack PRIMEFLEX for VMware vSAN Additional Node is used when a customer requires more than 3 nodes in a new cluster; or adds more than one node to an existing cluster at the same time.

The ImplementationPack PRIMEFLEX for VMware vSAN Cluster Extension 1 Node is only applicable to a growing an existing PRIMEFLEX for VMware vSAN cluster.

The ImplementationPack PRIMEFLEX for vSAN Edge/HCI 2 Nodes is only applicable to a new PRIMEFLEX for vSAN cluster switchless cluster. This solution must use vSAN ReadyNodes – the vSAN Appliance is not supported in two node clusters.

Example Scenario:

A customer purchasing a 3 node cluster as an initial PRIMEFLEX for vSAN solution requires:

1 x ImplementationPack PRIMEFLEX for vSAN Base 3 Nodes

A customer purchasing a 10 node cluster as an initial PRIMEFLEX for vSAN solution requires:

1 x ImplementationPack PRIMEFLEX for vSAN Base 3 Nodes

7 x ImplementationPack PRIMEFLEX for vSAN Additional Node

**Data Sheet** FUJITSU ImplementationPack PRIMEFLEX for VMware vSAN

A customer adding three nodes to an existing PRIMEFLEX for vSAN solution requires:

- 1 x ImplementationPack PRIMEFLEX for vSAN Cluster Extension 1 Node
- 2 x ImplementationPack PRIMEFLEX for vSAN Additional Node

NB: There is a maximum node count of 16 nodes for each PRIMEFLEX for VMware vSAN configuration. The 2 node switchless cluster is limited to just 2 nodes.

Besides this offering, Fujitsu can provide assistance and support with any other installation, implementation or integration on a separate contract. Please contact your local sales representatives for further details.

**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

### Products

[www.fujitsu.com/global/products/](http://www.fujitsu.com/global/products/)

In addition to the Fujitsu Support services, Fujitsu offers a full portfolio of other computing products.

### Computing products

- Storage systems: ETERNUS®
- Server: PRIMERGY®, PRIMEQUEST®, Fujitsu SPARC® M10, BS2000®/OSD Mainframe
- Client Computing Devices: LIFEBOOK®, STYLISTIC®, ESPRIMO®, FUTRO®, CELSIUS®
- Peripherals: Fujitsu Displays, Accessories
- Software
- Network

Product Support Services with different service levels agreements are recommended to safeguard each product and ensure smooth IT operation.

### Solutions

<http://www.fujitsu.com/global/solutions>

The Fujitsu solutions combine reliable Fujitsu products with the best in services, know-how and worldwide partnerships. Fujitsu's Solutions include parts of one or more activity groups (e.g., planning, implementation, support, management, and training services) and are designed to solve a specific business need.

**Infrastructure Solutions** are customer offerings created by bringing Fujitsu's best products, services and technologies together with those from partners to deliver benefit to our customers' businesses.

**Industry Solutions** are tailored to meet the needs of specific verticals.

**Business and Technology Solutions** provide a variety of technologies developed to tackle specific business issues such as security and sustainability, across many verticals.

### Services

[www.fujitsu.com/global/services/](http://www.fujitsu.com/global/services/)

Several customizable Fujitsu Service offerings ensure that IT makes a real difference and delivers true business value. We do this by leveraging our extensive experience in managing large, complex, transformational IT programs to help clients in planning, delivering and operating IT services in a challenging and changing business environment.

**Application Services** support the development, integration, testing, deployment and on-going management of both custom developed and packaged applications. The services focus on delivering business and productivity improvements for organizations.

**Business Services** respond to the challenge of planning, delivering and operating IT in a complex and changing IT environment.

**Managed Infrastructure Services** enable customers to deliver the optimal IT environment to meet their needs; achieving high levels of IT service quality and performance for data centre and end user environments.

## Fujitsu green policy innovation

[www.fujitsu.com/global/about/environment/](http://www.fujitsu.com/global/about/environment/)

Fujitsu Green Policy Innovation is our worldwide project for reducing burdens on the environment. Using our global knowhow, we aim to resolve issues of environmental energy efficiency through IT.



## More Information

Learn more about Fujitsu, please contact your Fujitsu sales representative, Fujitsu business partner, or visit our website <http://www.fujitsu.com/fts/services/support/>

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