Datasheet
PRIMEFLEX for Microsoft Storage Spaces Direct

ImplementationPack (Germany only)

Introduction

Fujitsu offers a PRIMEFLEX for Microsoft Storage Spaces Direct ImplementationPack to simplify the deployment of a Microsoft based hyper-converged IT infrastructure.

The codes for PRIMEFLEX for Microsoft Storage Spaces Direct are hereinafter referred to as PF ASHCI S2D. The solution is based on Windows Server 2019.

The PRIMEFLEX for Microsoft Storage Spaces Direct ImplementationPack delivers a standard pre-tested infrastructure design from a 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 Microsoft Storage Spaces Direct cluster. The 2 node Cluster cannot be expanded with additional nodes.

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

Benefits

PRIMEFLEX for Microsoft Storage Spaces Direct architecture allows you to start small and then grow the physical environment to meet your actual needs.

The PRIMEFLEX for Microsoft Storage Spaces Direct ImplementationPack, following certified best practice, supports and underlines this flexibility.

PRIMEFLEX for Microsoft Storage Spaces Direct ImplementationPack

Fujitsu offers the following ImplementaionPack options:

- Start Base ImplementationPack 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 ClusXT Base pack.
- Start Edge ImplementationPack is for a 2 server node switchless cluster. This cannot not be further scaled to more server nodes.
- 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.

Order codes	
PRIMEFLEX for ASHCI S2D Start Base **FSP:G-IM25500PRSER**	PRIMEFLEX for ASHCI S2D ClusXT Base **FSP:G-IM25800PRSER**
PRIMEFLEX for ASHCI S2D Start Edge **FSP:G-IM25600PRSER**	ImplementationPack Time (1 Working Day) **FSP:G-IM25400PRDDS**
PRIMEFLEX for ASHCI S2D Node Pack **FSP:G-IM25700PRSER**	

Service in detail

Our Service Offering

The ImplementationPack for ASHCI S2D Start Base and ASHCI S2D ClusXT Base will deliver the following services:

- Customer Interview to capture the customer's requirements and network infrastructure.
- Hardware installation of the components into the customer's location.
  - PRIMERGY compute nodes
  - Network switches purchased from Fujitsu
- All in-rack power and network cabling.
- Configuration of all devices against the agreed network design.
- Installation of the Windows Admin Center.
- Full Acceptance test.
  - Acceptance testing
  - Resiliency testing
- Formal handover document with all relevant SW version details and settings along with default passwords employed (customer should update after handover with their own).
- Completion of Ready-4-Service Documentation.
- Online activation of Fujitsu SolutionPacks.

Because it is a switchless solution, the ImplementationPack for ASHCI S2D Start Edge covers all activities described in the Start Base offering with the exception of the switch set up tasks. Start Edge solutions require a mandatory two Node Packs and cannot be extended.

The ImplementationPack for ASHCI S2D Node Pack expands the Start Base or the Cluster Extension Base to cover one additional node implemented at the same time and delivers:

- Hardware installation of the components into the customer's location.
- Installation and update of the OS (Windows Server 2019).
- Installation and configuration of Windows features including Hyper-V, networking and clustering.
- Installation of the ServerView agents.
- Online activation of Fujitsu SolutionPacks.

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 Microsoft Storage Spaces Direct.

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 recommnended 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 ImplementaionPacks sold and delivered in Germany is included as standard.

Out of Scope

Any data migration services.

Service Applicability

The ImplementationPack for PF ASHCI S2D Start Base is only applicable to a new PRIMEFLEX for Microsoft Storage Spaces Direct cluster and cannot be applied to grow an existing Windows Server 2016 or Windows Server 2022 PF S2D based cluster. existing PF ASHCI S2D cluster.

The ImplementationPack for PF ASHCI S2D Cluster Base is only applicable to grow an existing PF ASHCI S2D cluster.

Example Scenarios

Purchasing a 10 node cluster as an initial PF ASHCI S2D solution requires:

1 x ImplementationPack PF ASHCI S2D Start Base
10 x ImplementationPack PF ASHCI S2D Node Pack

Purchasing 4 node clusters for two different sites:

2 x ImplementationPack PF ASHCI 2SD Start Base
8 x ImplementationPack PF ASHCI Node Pack

Adding three nodes to an existing PF ASHCI S2D solution requires:

1 x ImplementationPack PF ASHCI S2D ClusXT Base
3 x ImplementationPack PF ASHCI S2D Node Pack

Deployment of a switchless PF ASHCI S2D Start Edge solution requires:

1 x ImplementationPack PF ASHCI S2D Start Edge
2 x ImplementationPack PF ASHCI S2D Node Pack

Besides this offering, Fujitsu can provide assistance and support with of 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

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.

www.fujitsu.com/global/products

More information

Learn more about Fujitsu, please contact your Fujitsu sales representative or Fujitsu Business partner, or visit our website.

www.fujitsu.com

Fujitsu green policy

Fujitsu Green Policy Innovation is our worldwide project for reducing burdens on the environment.

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

Please find further information at http://www.fujitsu.com/global/about/environment

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