



Data Sheet

PRIMEFLEX for Nutanix Enterprise Cloud Extension for SAP HANA® ImplementationPack

Product Related Services for IT Hardware



INTRODUCTION

The SAP HANA HCI (Hyper-Converged Infrastructures) certification of PRIMEFLEX for Nutanix Enterprise Cloud allows you to use the advantages of HCI for SAP HANA. Now, it is possible to run SAP landscapes of any kind, from SAP Business Suite up to newest SAP S/4HANA or BW/4HANA including SAP HANA® data bases virtualized on one common platform with uniform operation for all deployments.

The Implementation Packs delivers a best practice hyper-converged-infrastructure that is fully pre-tested and pre-configured to support one or up to three (depending on the hardware) SAP HANA instance(s) per Nutanix node. The base Implementation pack covers for the implementation of three nodes. Additional node Implementation can be purchased as an add-on to fulfill the requirements of any size implementation with up to 64 nodes in one cluster.

The cluster extension 1 node Implementation Pack can be purchased to extend an already installed cluster with further nodes.

BENEFITS

SAP HANA on PRIMEFLEX for Nutanix Enterprise Cloud 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.

SAP HANA ON PRIMEFLEX FOR NUTANIX ENTERPRISE CLOUD

The Implementation Packs include the necessary configuration of hardware to provide virtualization within a Nutanix cluster, ready to run SAP HANA databases.

- Base Implementation Pack – This pack provides the services required to prepare three nodes for customer use.
- Additional Node Implementation Pack – This pack provides the services required to prepare a single node and extends a Base Implementation Pack up to the number of nodes you wish (up to 64) to deploy at initial purchase
- Cluster Extension 1 Node Implementation Pack – This pack provides the services required to extend a already implemented cluster with one further prepared node (up to 64 nodes per cluster)

Service in detail

HARDWARE INSTALLATION (Local)

- Installation of the Certified components into the customer's Data Center.
 - PRIMERGY compute nodes
 - Approved Network switches
 - ETERNUS storage subsystem
- All in-rack power and network cabling.
- Setup of remote access for remote deployment and ongoing support.

SOFTWARE IMPLEMENTATION (Remote or Local)

- Production of a Low Level Design that satisfies the Customer's existing network design.
 - Including reserved parameters ready for future node expansion.
- Configuration of all devices against the Low Level Design.
- Installation of Host ESXi software.
- Installation of all solution appliances, vCenter, ISM, AIS etc.
- Joining of the guest to an existing active directory domain.
- 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

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 known. The customer provides the standard operating system to be installed and if necessary the connecting and operating software on a suitable medium with the appropriate license keys
- The ImplementationPack must be purchased either with the PRIMEFLEX for Nutanix Enterprise Cloud – Extension for SAP HANA, or 90 days thereafter.
- The Ready-4-Service (R4S) workflow and related documentation ensure smooth hand over from the deployment to operation and any 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.
- The Fujitsu Infrastructure Support assumes that there is the possibility of 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.

SERVICE DELIVERY

The packages are delivered from (9x5, local business hours). The service can be delivered outside of these times but will be subject to additional charges that can be quoted on request.

The package can also be delivered remotely. 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

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

SERVICE APPLICABILITY

- The Base Implementation Pack must be purchased alongside a PRIMEFLEX for Nutanix Enterprise Cloud solution. It is only applicable to a new implementation with a three node cluster and cannot be used to grow an existing cluster.
- The Additional Node Implementation Pack can be purchased alongside the Base Implementation Pack or the Cluster Extension 1 Node Implementation Pack for nodes that are not covered with the Base or Cluster Extension Pack.
- The Cluster Extension 1 Node Implementation Pack can be purchased after the initial installation. It is used to extend a cluster with one additional node. It has to be ordered for every extended cluster once and covers one node. For further nodes the Additional Node Implementation Pack has to be ordered.

EXAMPLE SCENARIOS

A Customer purchasing a 6-node cluster as an initial starting Nutanix cluster would require:

- 1x Base Implementation Pack
- 3x Additional node Implementation Pack

A Customer extends a already in use cluster by 3 nodes would require:

- 1x Cluster Extension 1 Node Implementation Pack
- 2x Additional node Implementation Pack

Ordering Implementation Packs

PRIMEFLEX for Nutanix Enterprise Cloud - Extension for SAP HANA

Base Implementation

FSP:G-IM15400PRSER SP SOL Imp PF HANA NTNX Base

Additional Node Implementation

FSP:G-IM15500PRSER SP SOL Imp PF HANA NTNX Add. Node

Cluster Extension Implementation

FSP:G-IM19000PRSER SP SOL Imp PF HANA NTNX ClusXT

OUT OF SCOPE

The following exemplary topics are not part of a standard PRIMEFLEX for Nutanix Enterprise Cloud – Extension for SAP HANA implementation pack:

- Any data migration service
- Any enterprise storage installation
- Any network hardware installation
- Any SAP Netweaver application installation
- Backup integration
- System Monitoring integration
- Any HA or DR concept, installation or integration

Any change in either Hardware and/or Software configuration which is not documented in the Ready-4-Service documentation can cause that the described services can only be provided in a restricted manner and the corresponding service levels may not be reachable any more.

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/

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

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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/

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

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