

DATASHEET

FUJITSU FLEXFRAME® FOR SAP®

V5.0A SOLUTION

DYNAMIC IT SOLUTION FOR SAP® ADAPTIVE COMPUTING

FlexFrame for SAP is an end-to-end operating concept for service-oriented SAP infrastructure that enables the consolidation of SAP applications on industry standard platforms delivering a high quality of service. It dynamically assigns physical and virtual servers to SAP applications on demand. The pre-tested delivered solution dramatically reduces costs in all phases of operations such as planning and implementation, operation for one or several clients and change management. The high agility of the solution enables easy scalability of servers and applications during operation.

Within many customer scenarios such as SW provisioning, cloning of the SAP landscape, OS update and other extremely laborious tasks, our customers have clearly recognized the value of their FlexFrame for SAP implementations.

Central management, high-availability and disaster recovery are integrated components of FlexFrame for SAP. Further efficiency is achieved with the integration of virtualization technology from VMware, the virtualization market leader. VMware allows the execution of an SAP application on any physical or virtual server within the server-pool, thus enabling a higher degree of hardware utilization. FlexFrame for SAP is now ready for cloud computing!



FLEXFRAME FOR SAP MANAGEMENT SOFTWARE V5.0A PROVIDES THE FOLLOWING KEY ENHANCEMENTS

- Integrated Server Virtualization (requires additional FlexFrame for SAP licenses)
 - Usage of virtual servers as additional resource based on VMware ESXi
 - Support of mixed environments with physical and virtual servers
 - Allow switching of SAP services from virtual to physical servers and vice versa
- 10GbE support on server side for all in FF4S supported PRIMERGY rack servers and selected BX900 blade server
- Ease of administration
 - Simplified patch management for Linux security fixes on application node OS images
 - Modified image concept allows administrators to apply Linux Security Fixes easier
 - Lock mechanism for parallel administration
- Support of SAP software
 - SAP ACC 7.2 compliance, with respect to start/stop interface for SAP services
 - Integrated support for further SAP services: BOBJ, CMS, MDM, SMD & TREX
- EMBEDDED HIGH-AVAILABILITY
- VIRTUALIZATION OF SAP SERVICES
- SUPPORT OF PHYSICAL AND VIRTUAL SERVERS
- FULL REDUNDANCY OF ALL COMPONENTS
- SHARED OPERATING SYSTEM
- CONSOLIDATED STORAGE
- CENTRALIZED ADMINISTRATION

ENHANCED FLEXFRAME FOR SAP FUNCTIONALITY

Besides the standard FlexFrame features, additional functionalities that are listed below are available as options. Each requires a separate runtime license and is described in detail in its respective data sheet.

- Accounting, Performance and Capacity Management
- Autonomous Messenger Expert
- Role Based Access Control (RBAC)

TECHNICAL DETAILS

GENERAL SPECIFICATION

Release Information for FlexFrame for SAP V5.0A	This Release Information is a summary of the major extensions, requirements, restrictions and operating information for FlexFrame for SAP V5.0A. It outlines the scope of support within FlexFrame for SAP V5.0A.
FlexFrame for SAP Support Matrix	<p>Within this matrix, the relationship between supported servers, storage subsystems, network switches, operating systems, databases and SAP software is shown. The FlexFrame for SAP Support Matrix is available from our sales representatives. This document describes the current valid support situation. We strongly recommend checking the Support Matrix for the latest list of supported components since FlexFrame for SAP V5.0A contains major enhancements.</p> <p>Note: When using VMware virtual servers in FlexFrame versions older than V5.0A as a project specific solution, all configured virtual servers have to be deleted before updating to FlexFrame version V5.0A. When using VMware virtual servers within FlexFrame V5.0A, we strongly recommend using VMware vCenter Server also (former VMware Virtual Center) for easier administration and configuration.</p>

HARDWARE PREREQUISITES

Servers	Control Nodes: PRIMERGY RX300 S3/S4/S5 ¹ , PRIMERGY RX300 S6 Application Nodes: PRIMERGY Rack servers: RX300 S3/S4/S5/S6, RX600 S3/S4/S5, RX800 S3 (up to 4 CPUs) ² PRIMERGY Blade servers: BX620 S3/S4/S5, BX630 ³ , BX630 S2, BX920 S1/S2
Storage	NetApp Storage systems (FAS900, 2000, 3000, 3100, 6000 GF9x0, V3000, V3100 and V6000 series) ³
FC Blade Server Infrastructure	PY BX600 FC Pass-Thru Blade 4Gb/s
Network Switches	CISCO 3750G and 3750E Series
Professional Services	Installation, Configuration, Maintenance, Support

SOFTWARE PREREQUISITES

Control Nodes	Novell SUSE® Linux Enterprise Server (SLES) 10 SP3 64-bit		
Application Nodes	Novell SUSE® Linux Enterprise Server (SLES) 10 SP3 64-bit, Novell SLES 11 ²		
Databases	MaxDB 7.6	Oracle 9i	IBM DB2 9.1
	MaxDB 7.7	Oracle 10g	IBM DB2 9.5
	MaxDB 7.8	Oracle 11g ⁴	IBM DB2 9.7
SAP Software	FlexFrame V5.0A supports SAP systems based on the abovementioned databases and the following SAP kernels or bases: Note: Subject to restrictions in SAP's "Product Availability Matrix"		
	SAP Basis 4.6D	SAP WebAS 6.20 / 6.40 / 7.0	
	SAP NetWeaver 7.1 / 7.2	BOBJ – Business Objects Enterprise 3.1/3.2	
	CMS – Content Server 6.40	MDM – Master Data Management 7.1	
	SMD – Solution Manager Diagnostics 7.1	TREX – Search and Classification 7.1	
VMware	VMware vSphere V4.0 U2		

¹ For existing customers only

² Requires a special release request

³ No SAN configuration guideline from FlexFrame for SAP

⁴ Only supported as an upgrade from Oracle 10g to Oracle 11g and is only supported via a special release request.

MORE INFORMATION

To learn more about Fujitsu FlexFrame® for SAP®, please contact your Fujitsu sales representative, email: Solutions_SAP@us.fujitsu.com or visit our website: <http://solutions.us.fujitsu.com/FF4SAP>

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