

Server, Storage & Integrated Systems Product Family Guide

Your fast lane to PRIMERGY /
PRIMEQUEST servers,
ETERNUS storage and
Integrated Systems PRIMEFLEX



FUJITSU

shaping tomorrow with you

Servers for the data-driven world

FUJITSU x86 Servers



Rely on
quality

Watch now!



Rely on
efficiency

Watch now!



Rely on
agility

Watch now!



Rely on
integration

Watch now!



FUJITSU x86 Servers

The right computing solution for every purpose

FUJITSU Server systems provide the most powerful and flexible data center solutions for companies of all sizes, across all industries and for any type of workload. This includes expandable tower servers, versatile rack-mount servers and density-optimized multi-node servers as well as GPU servers. They offer compelling business-proven quality with a wide range of innovations, top efficiency that cuts operational costs and complexity, and they provide more agility in daily operations in order to turn IT into a business advantage more quickly.

Optimized x86 server portfolio to power any workload and business demand

Efficient operation and management of IT infrastructures and equipment



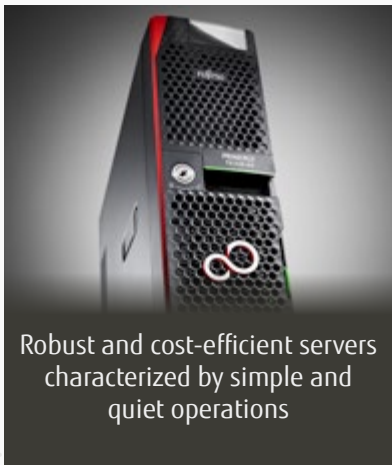
SMBs, edge, branches, office environments

Core business / demanding apps

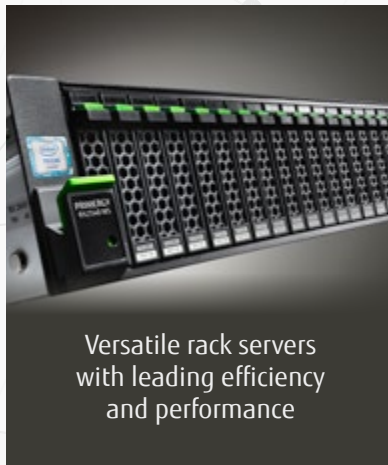
HPC, cloud and technical computing

AI, data science, VDI, graphics and HPC workloads

Business and mission-critical environments



Robust and cost-efficient servers characterized by simple and quiet operations



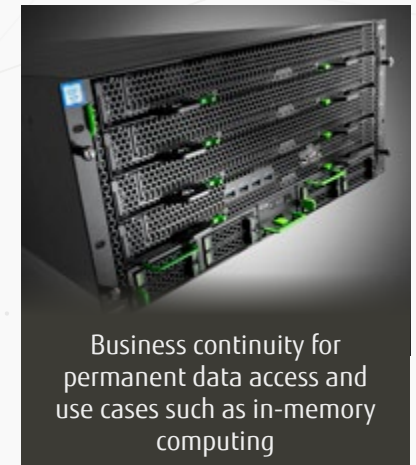
Versatile rack servers with leading efficiency and performance



Modular and density-optimized servers to scale efficiently



GPU accelerated servers suited for advanced and futuristic workloads

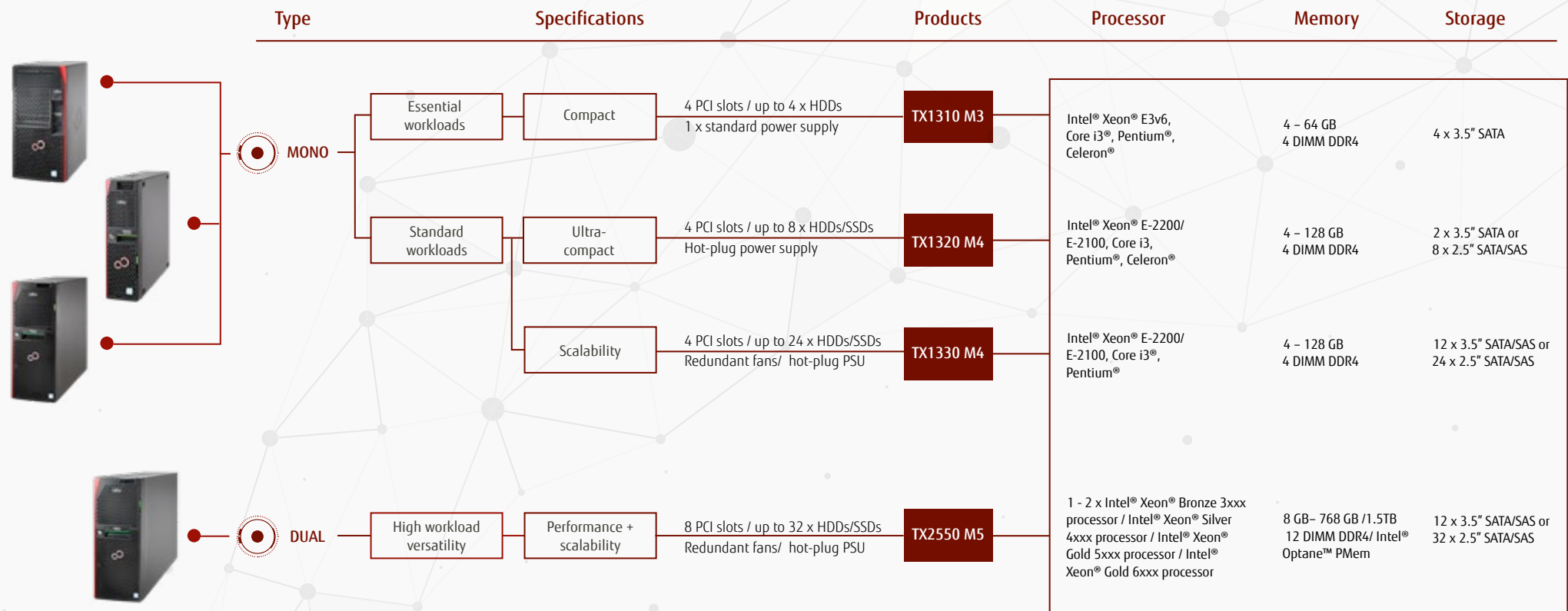


Business continuity for permanent data access and use cases such as in-memory computing

CUSTOMER-INSPIRED AND INNOVATIVE TECHNOLOGY IS INTEGRATED INTO EVERY FUJITSU PRIMERGY SERVER, OFFERING EXCEPTIONAL PERFORMANCE, EFFICIENCY AND RELIABILITY, FROM SMALL BUSINESS OFFICES TO ENTERPRISE DATA CENTERS AND HYPER-SCALE ENVIRONMENTS.

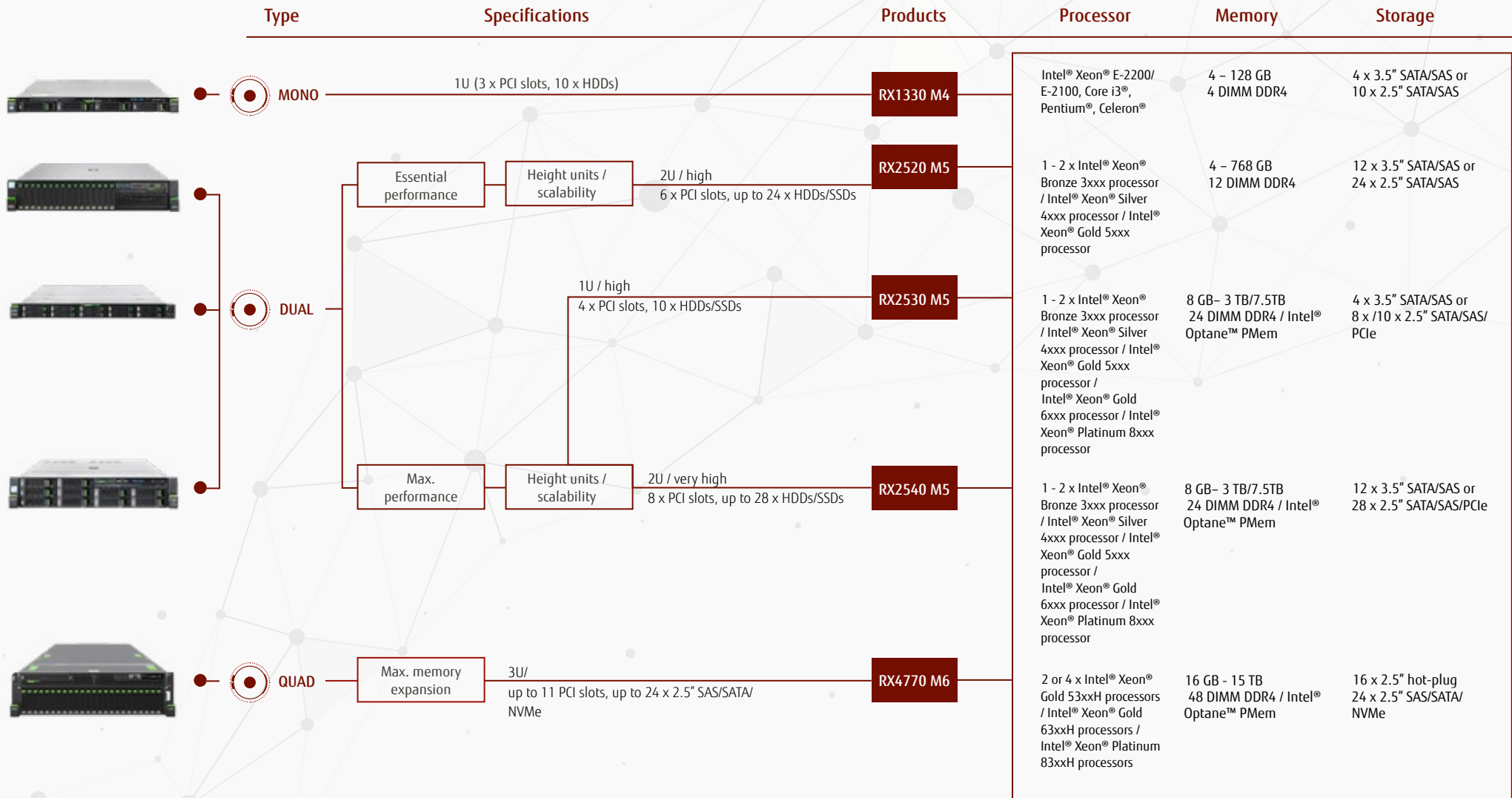
PRIMERGY TX Tower Servers

The PRIMERGY Tower Servers delivers rock-solid, efficient business value and are the ideal choice for small and medium businesses, and for branch operations. They're also super-simple to run, so you won't need a team of techies to keep your IT working the way it should. In addition, the right-sized tower portfolio also silent enough to run in the office, even on your desk. And should you change your setup later, it's good to know that nearly all PRIMERGY TX servers can also be rack-mounted.



PRIMERGY RX Rack Servers

PRIMERGY Rack Servers are versatile, rack-optimized servers providing best-in-class performance and energy efficiency. You can rely on these servers as the backbone of your IT operation, and easily scale them as you grow. Moreover, the PRIMERGY rack server portfolio is performance optimized for multi-application workloads to significantly increase the efficiency of IT operations and enable IT to respond to business needs of any size more quickly.



PRIMERGY Multi-Node and GPU Servers

PRIMERGY CX Multi-Node Servers

The PRIMERGY CX multi-node systems are the ideal basis for cloud, hyper-converged and high-performance computing solutions. They provide data centers as well as branch offices with massive computing power while at the same time delivering best economics for server density, energy consumption, heat optimization and lower overall operating costs.



| Use cases | Specifications | Products | Processor | Memory | Details | |
|---|----------------|---|------------------|------------------------------------|---|--|
| <ul style="list-style-type: none"> VDI Virtualization Cloud Web services HPC Technical computing AI Deep learning | Chassis | 2U / up to 24 x 2.5" storage drives Redundant, hot-plug components | CX400 M4 | - | 4 bays for nodes Shared infrastructure | |
| | Server Nodes | Cloud/HPC-optimized server node | CX2550 M5 | 1-2 x Intel® Xeon® Scalable Family | 8 - 2048 GB 16 DIMM DDR4/DCPMM | Cost-optimized Air or liquid cooling |
| | | All-around server node | CX2560 M5 | 1-2 x Intel® Xeon® Scalable Family | 8 - 2048 GB 16 DIMM DDR4/DCPMM | 6 x 2.5" storage drives DynamicLoM + 2x PCIe, air cooled |

PRIMERGY GX GPU Servers

PRIMERGY GX servers are optimized for GPU performance and offer the reliability and cost-effectiveness of our PRIMERGY line to best fit your individual requirements. There is no need for compromise as GX servers are designed to excel at single/multi-GPU accelerated data-driven use cases such as artificial intelligence – especially machine (deep) learning, data science and analytics, VDI and graphics plus futuristic high-performance computing workloads.



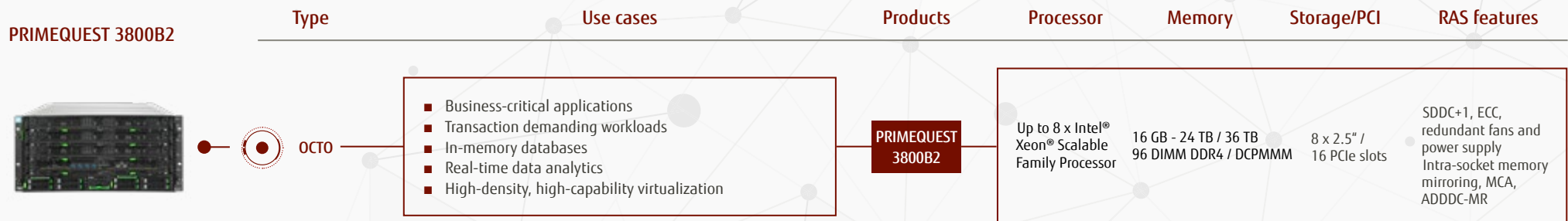
| Type | Specifications | Product | Processor | Memory | Storage |
|------|---|------------------|--|--|------------------------------|
| DUAL | Up to 4 x NVIDIA® Tesla V100, V100S, T4 NVIDIA® Quadro RTX4000, RTX6000, RTX8000 | GX2460 M1 | 2nd Generation AMD EPYC™ processors (up to 32 cores) | 1TB memory with 16 x DDR4 LRDIMM (8 per CPU) | 8 x SFF NVME/ SATA drives |

FUJITSU Server PRIMEQUEST Systems

Fujitsu Server PRIMEQUEST systems offers unprecedented x86 performance and memory expandability for resource-intensive applications. By uniting the x86 industry standards with mission-critical features, PRIMEQUEST systems delivers availability levels similar to those of UNIX systems – but with the cost advantages of an x86-based architecture.

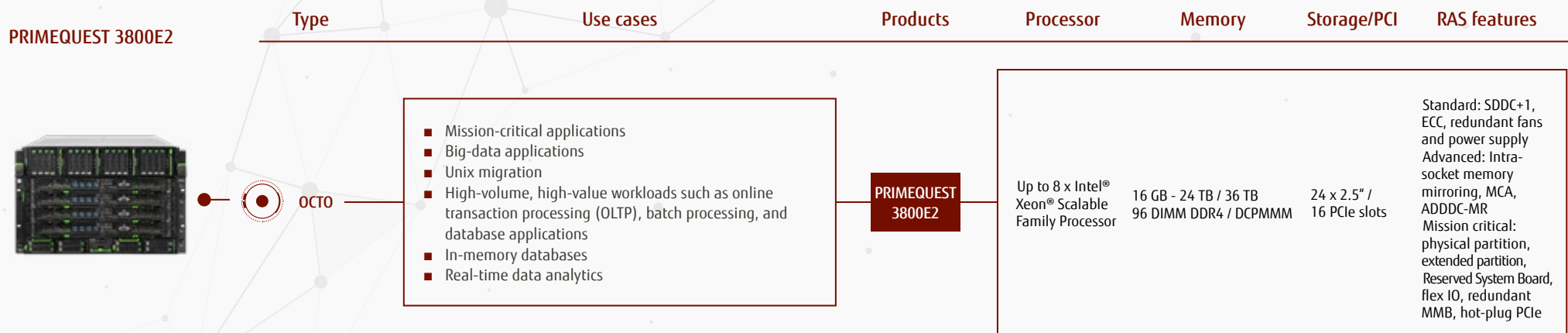
Superior performance and reliability for business-critical workloads with optimized economics

Featuring the latest Intel® Xeon® processor scalable family with up to 28 cores per processor and fastest available DDR4 memory modules with memory capacity of up to 24 TB (DDR4 only) or 36 TB with Intel® Optane™ DC persistent memory, the PRIMEQUEST 3800B2 significantly improves performance for in-memory databases such as SAP HANA® and real-time data analytics, thereby making it the right choice for the most complex business-critical workloads in big-data processing environments.



Redefining mission-critical server architecture

Featuring the latest Intel® Xeon® Platinum processors with up to 28 cores per processor and fastest available DDR4 memory modules with memory capacity of up to 24 TB (DDR4 only) or 36 TB with Intel® Optane™ DC persistent memory, the PRIMEQUEST 3800E2 improves performance for in-memory databases such as SAP HANA® and Microsoft SQL Server 2017, thereby making it the right choice for the most complex mission-critical workloads in big-data processing environments.



Fast track to a data-driven enterprise

FUJITSU Integrated
System PRIMEFLEX



Watch now!



FUJITSU Integrated System PRIMEFLEX

Fast track to a data-driven enterprise

Building a data-driven enterprise is a complex process and rides on having a data-architecture foundation that enables companies to scale and adapt on the go. FUJITSU Integrated System PRIMEFLEX is a portfolio of holistic, modern infrastructure offerings that are predefined, preintegrated and pretested for easy and risk-free deployment and increased operational efficiency. The portfolio consists of a series of converged and hyper-converged infrastructure solutions, all of which are hybrid IT-enabled. It comprises ready-to-run solutions and reference architectures, which are easy to adapt to customer-specific requirements, simplifying operation and maintenance with end-to-end solution support from a single point of contact. The deployment and integration services also ensure a smooth integration into existing operation.

Virtualization and cloud

PRIMEFLEX for VMware vSphere

Converged infrastructure for deploying VMware vSphere-based infrastructure with external all-flash or hybrid storage from FUJITSU. It includes multiple configurations varying in size, scales from 2 up to 64 servers and can support 4,000+ VMs.

Computing: PRIMERGY RX
Software: VMware vSphere
Network: ETERNUS DX / AF
Optional: Extreme networks
Management: Fujitsu ISM
Optional: Broadcom FC switches

PRIMEFLEX for VMware vSAN

Hyper-converged system based on VMware software-defined server with storage technology delivered by the VMware HCI software stack. The system is available both as a ready-to-run appliance or in various flexible vSAN ReadyNodes configurations with pre-installed software scaling from 2 to 64 server nodes. The solution also includes configurations certified for SAP HANA.

Computing/storage: PRIMERGY RX / CX
Software: VMware vSphere, vSAN
Optional: VMware Horizon
Management: Fujitsu ISM

PRIMEFLEX for VMware cloud foundation

Hyper-converged system for deploying a VMware-based software-defined data center infrastructure. The system is available in various configurations from 4 to 240 server nodes.

Computing/storage: PRIMERGY RX
Network: Extreme networks
Software: VMware Cloud Foundation
Optional: VMware Horizon, vRealize
Management: Fujitsu ISM (optional)

PRIMEFLEX for Microsoft Azure Stack HCI

Hyper-converged system based on Microsoft software-defined server and storage technology integrated in Windows Server 2019. The system is available in various validated and certified configurations scaling from 2 to 16 server nodes.

Computing/storage: PRIMERGY RX
Software: Windows Server 2019 Datacenter Edition (Hyper-V and Storage Spaces Direct)
Optional: Microsoft System Center

FUJITSU Integrated System PRIMEFLEX

Fast track to data-driven enterprise

Virtualization and cloud

PRIMEFLEX for Nutanix Enterprise Cloud

A multi-hypervisor infrastructure, PRIMEFLEX for Nutanix Enterprise Cloud helps customers to eliminate complexity and risk in deploying a hyper-converged infrastructure based on the Nutanix Enterprise Cloud software stack. The solution also includes configurations certified on SAP HANA HCI.

| | |
|--------------------------|-----------------------|
| Computing: | PRIMERGY |
| Hypervisor: | Choice of AHV or ESXi |
| Operating system: | Acropolis |
| Management: | Prism |

SAP

As an SAP Global Partner for technology and services, Fujitsu provides enterprises with end-to-end support at the application and IT infrastructure levels, to implement and run SAP systems, including strategic consulting and developing business processes further.

PRIMEFLEX for SAP HANA

SAP-validated infrastructure solution for the SAP HANA® software. It is based on Fujitsu PRIMERGY and PRIMEQUEST servers optimized for in-memory technology. The complementary on-site services ensure fast and non-disruptive implementation and operation at the customer site.

| | |
|-------------------|---|
| Computing: | PRIMERGY and PRIMEQUEST |
| Storage: | ETERNUS / NetApp / TDI support (opt. for single node) |
| Network: | Broadcom, Cisco (multi-node only) |
| Software: | SUSE or Red Hat Linux; optional: VMware vSphere |

PRIMEFLEX for SAP landscapes

Powered by FlexFrame Orchestrator management software, the setup of infrastructures optimized for SAP applications and databases is simplified and a more effective operation enabled. The predefined, preintegrated and pretested combination of servers, storage, network connectivity and software ensure the highest quality and fast time to value.

| | |
|-------------------|--|
| Computing: | PRIMERGY and PRIMEQUEST |
| Storage: | NetApp for shared image; ETERNUS / NetApp for database |
| Network: | Cisco |
| Software: | FUJITSU FlexFrame Orchestrator, SUSE Linux |
| Optional: | VMware vSphere, extension packs (e.g. from LNW Soft) |

Helping organizations identify potential gaps across their heterogeneous database and SAP application environment using the following:

- >> FUJITSU inspection service for SAP solutions
With this hardware-agnostic solution, Fujitsu helps customers holistically in their data-driven intelligent enterprise journeys.
- >> SAP process automation
This solution helps optimize and automate SAP operations across organizations and ensures operational efficiency.

Data-centric Storage

FUJITSU ETERNUS Storage



Be ready
for what's
next



Transform
with flash



FUJITSU Storage Products

ETERNUS: Data-centric storage

In the storage area, you can rely on a well-synchronized portfolio: Data-centric storage at its best from a single provider with more than 50 years, experience in storage. Fujitsu provides ETERNUS online storage systems, ETERNUS LT tape libraries and ETERNUS CS data-protection appliances, which allow customers to flexibly manage their increasing data volumes with lower growth costs in order to benefit from a very reliable architecture as well from radically simplified operation.

FUJITSU Storage

All-flash and hybrid storage systems

Combining leading performance architecture with automated quality of service management the ETERNUS online storage provide powerful features for digital growth, efficiency and continuity.

Software-defined Storage

Software-Defined Storage (SDS) solutions from Fujitsu are specifically designed to manage explosive data growth, better support modern workloads and provide greater compatibility for multi-cloud environments.

Data-protection appliances

Data-protection appliances from Fujitsu simplify your backup and archive infrastructure and transform your IT landscape into a genuine enabler for digital business growth, efficiency and continuity.

Tape storage systems

The affordable ETERNUS LT tape systems offer impressive scalability and reliability. They meet SMB requirements, thwart cyberattacks, and are certified for market-leading backup and archiving software.

FUJITSU Storage ETERNUS

ETERNUS online storage family



Leading performance increases system utilization and consolidation resulting in a faster ROI.

SDS family



Share and control data across a multitude of locations and between different applications for broader business usage.

ETERNUS CS family



ETERNUS CS data-protection appliances radically simplify backup and archive infrastructures by aligning storage resources with business priorities.

ETERNUS LT family



Highly automated, simple and remote operation without any demand for local expertise.

FUJITSU ETERNUS Storage

Online storage made easy

ETERNUS AF all-flash arrays



ETERNUS DX hybrid storage systems



| | Specifications | Product | Host interfaces | Functions | | |
|------------------|---|---|---|--|---|--|
| NUMBER OF DRIVES | max. 24, 92 TB raw | AF150 | 8 x FC 16G / 8 x iSCSI 10G | ETERNUS SF Express | | |
| | max. 264, 8,110 TB raw 40,550 TB effective * | AF250 | 8 x FC 32G / 16 x FC 16G / 8 x iSCSI 10G | All-in FlashPack (configuration, management and administration, local and remote copy, automated quality of service, deduplication and/or compression) | | |
| | max. 1056, 32,440 TB raw 162,200 TB effective * | AF650 | 32 x FC 32G / 32 x FC 16G / 16 x iSCSI 10G | | | |
| REMOTE | None | Connectivity / scalability | max. 4 host ports/ 96 drives (31 TB SSD / 768 TB HDD) | | DX60 | 8 / 16 Gbps FC, 1 / 10 Gbps iSCSI, 6 / 12 Gbps SAS |
| | Required | | max. 16 host ports/ 144 drives (4424 TB SSD / 2304 TB HDD) | DX100 | 8 / 16 / 32 Gbps FC, 1 / 10 Gbps iSCSI, 12 Gbps SAS, 1 / 10 Gbps Ethernet | |
| | | max. 16 host ports/ 264 drives (8110 TB SSD / 4224 TB HDD) | DX200 | 8 / 16 / 32 Gbps FC, 1 / 10 Gbps iSCSI, 12 Gbps SAS, 1 / 10 Gbps Ethernet | | |
| | | max. 16 host ports/ 576 drives (17695TB SSD / 8890 TB HDD) | DX500 | 8 / 16 / 32 Gbps FC, 1 / 10 Gbps iSCSI, 1 / 10 Gbps Ethernet | | |
| | | max. 32 host ports/ 1056 drives (32440 TB SSD / 16570 TB HDD) | DX600 | 8 / 16 / 32 Gbps FC, 1 / 10 Gbps iSCSI, 1 / 10 Gbps Ethernet | | |
| | | max. 64 host ports / 2304 drives (70779 TB SSD / 36211 TB HDD) | DX900 | 8/ 16/ 32 Gbps FC, 1 / 10 Gbps iSCSI | | |
| | max. 384 host ports/ 6912 drives (141558 TB SSD / 106560 TB HDD) | DX8900 | 8 / 16 / 32 Gbps FC, 1 / 10 Gbps iSCSI | | | |
| Description | | ETERNUS SF at a glance | | | | |

ETERNUS SF: Flexible data management

The ETERNUS SF storage management software is the uniform management solution for the entire ETERNUS AF and ETERNUS DX series. All essential operations for storage resource management, monitoring, reporting, tiered storage, performance management, disaster resilience and business continuity are integrated. The uniform management for the entire storage infrastructure covers all ETERNUS AF all-flash and ETERNUS DX hybrid storage systems, from entry-level through the enterprise as well as virtualized server infrastructures.

- Management of all infrastructure devices based on a unified view
- Visualization of the relations between storage, network and physical servers or virtual servers
- Early detection and elimination of performance issues through performance monitoring
- Reduced initial system infrastructure through thin provisioning
- Support for incident management
- Hardware investment optimization through automated storage tiering
- Reduced storage system power consumption
- Central management for local and remote replication
- Enhanced business continuity with transparent failover
- Automated quality-of-service management

* Calculation based on deduplication/compression factor of five

FUJITSU ETERNUS Storage

Online storage made easy

ETERNUS AB



| Specifications | Product | Host interfaces | Functions |
|-------------------------------|---------|--|--|
| max. 96, 1469TB, 825k IOPS | AB2100 | 4/8/16/32Gbps FC / 10/25Gbps iSCSI / 12Gbps SAS | <ul style="list-style-type: none"> ■ Performance <ul style="list-style-type: none"> • End-to-end NVMe • Container microservices • Secondary cache ■ Reliability <ul style="list-style-type: none"> • Encrypted drives • Authentication key management • Data guarantee • Data protection • Snapshot, mirroring and copy ■ Flexibility <ul style="list-style-type: none"> • Storage virtualization • REST API • Cloud backup • Multiple drive sizes |
| max 120, 1836TB, 1M IOPS | AB5100 | 4/8/16/32Gbps FC / 32Gbps NVMe over FC / 10/25Gbps iSCSI / 100Gbps IB / 100Gbps NVMe over InfiniBand / 100Gbps NVMe over Ethernet / 12Gbps SAS | |
| max 24, 367TB, 2M IOPS | AB6100 | 8/16/32Gbps FC / 32Gbps NVMe over FC / 100Gbps NVMe over InfiniBand / 100Gbps NVMe over Ethernet | |

ETERNUS HB



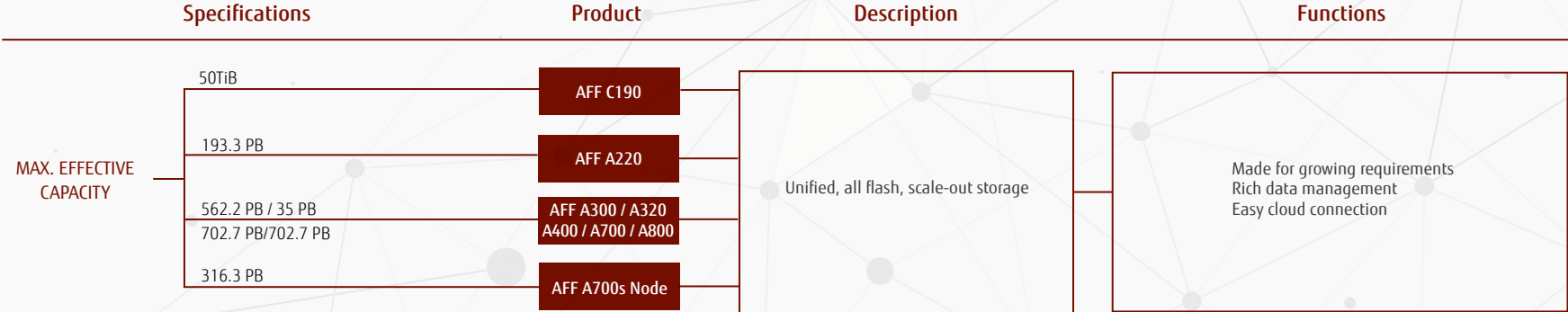
| Specifications | Product | Host interfaces | Functions |
|--|---------|--|--|
| max 24, 13TB SSD / 288TB HDD | HB1100 | 4/8/16Gbps FC / 10Gbps iSCSI | <ul style="list-style-type: none"> ■ Performance <ul style="list-style-type: none"> • End-to-end • Containers and microservices • Secondary cache ■ Reliability <ul style="list-style-type: none"> • Encrypted drives • Authentication key management • Data guarantee • Data protection • Snapshot, mirroring and copy ■ Flexibility <ul style="list-style-type: none"> • Storage virtualization • REST API • Cloud backup • Multiple drive sizes |
| max. 48, 122TB SSD / 86TB HDD | HB1100 | | |
| max 156, 1120TB SSD / 3072TB HDD | HB2100 | 4/8/16/32Gbps FC / 10/25Gbps iSCSI / 12Gbps SAS | |
| max 168, 1468TB SSD / 2,155.2TB HDD | HB2200 | | |
| max 180, 1133TB SSD / 3072TB HDD | HB2300 | | |
| max 192, 1836TB SSD / 6,732TB HDD | HB5100 | 4/8/16/32Gbps FC / 32Gbps NVMe over FC / 10/25Gbps iSCSI / 100Gbps IB / 100Gbps NVMe over InfiniBand / 100Gbps NVMe over Ethernet / 12Gbps SAS | |
| max 480, 1562TB SSD / 5760TB HDD | HB5200 | | |

* Calculation based on deduplication/compression factor of five

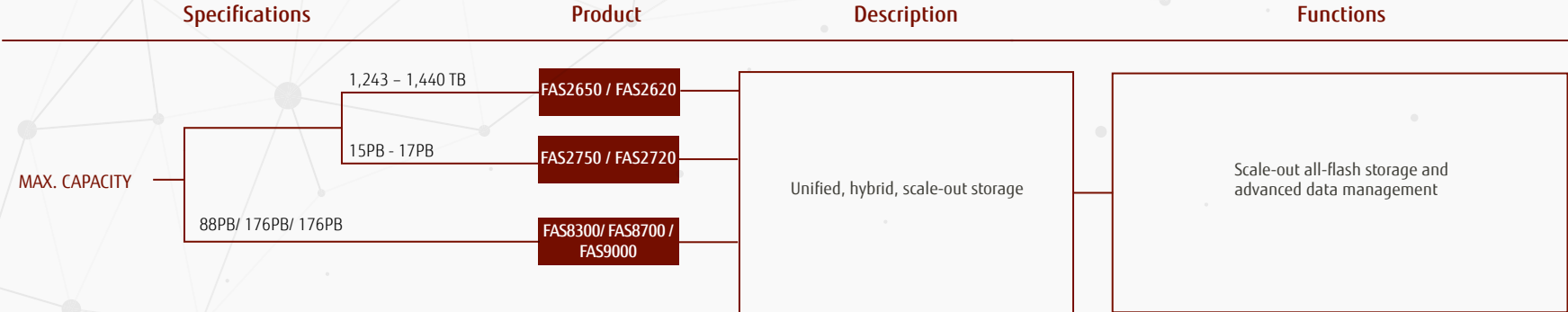
High Performance Partnership

Fujitsu and NetApp

NetApp All-Flash



NetApp FAS hybrid storage



FUJITSU ETERNUS Storage

Software-defined storage made easy

SOFTWARE-DEFINED STORAGE

Architecture

Data access

Product

Main use cases

Highlights

SCALE-OUT /
SCALE-ACROSS

BLOCK STORAGE

ETERNUS DSP

- Virtualization
- xSP
- Databases
- OLAP
- Hybrid data centers

- NVMe
- Automation/ REST APIs
- Multi tenancy
- Dedup/compression
- AIOPS predictive analytics
- Broad support for container technologies

FILE STORAGE

QUMULO FILE
DATA PLATFORM

- File share
- Video surveillance
- Analytics
- Hybrid data centers
- xSP
- HPC

- All-NVMe cluster (option)
- Automation/ REST APIs
- Real-time analytics
- Tens of billions of files (of any file size)
- Flash-first architecture

FUJITSU ETERNUS storage

Data protection made easy

ETERNUS CS800 backup appliance

| Specifications | Product | Key feature | Data protection functions | Usability | |
|--------------------------------------|------------|-------------------|---------------------------|--|--|
| Usable capacity after data reduction | 11-23 TB | CS800 ENTRY/Scale | Deduplication | Disk-based backup and recovery, replication, path-to-tape, multiprotocol support (NAS, VTL, OST), backup target in the cloud | Easy setup in just a few steps, automated operation, simple user interface for maintenance and analytics |
| | 11-315 TB | | | | |
| | 51-1020 TB | CS800 ENTERPRISE | | | |

ETERNUS CS8000 Central storage for backup, archive, second-tier and object data



| Specifications | Product | Backup | Archive | |
|----------------|-------------------------------------|-----------------|--|--|
| Architecture | Branch-office backup | CS8050 | VTL, VTL with dedup 14 TB (up to one back-end tape library) | NAS protocol for CS8050 only with dedicated CS8050 NAS model (see archive appliance) |
| | Scale-up backup Scale-up archive | CS8200 | VTL, VTL with dedup 19 TB-6 PB (up to 10 back-end tape libraries) | NAS (NFS / CIFS), object 19 TB-6 PB |
| | Scale-out backup and/or archive | CS8400 / CS8800 | single-site split-site | VTL, VTL with dedup, NAS (NFS or CIFS), object 19 TB-96 PB (up to 10 back-end tape libraries) |

ETERNUS CS8050 NAS archive appliance



| Specifications | Product | Description | Data protection functions | |
|-----------------|-------------------|-------------|---|---|
| Usable capacity | 28, 42, 56, 70 TB | CS8050 NAS | Reliable, cost-efficient storage appliance for archiving and second-tier file storage | Archiving; integrated, snapshot-based backup; recovery; replication; SoftWORM |

ETERNUS LT tape storage systems



| Specifications | Product | Interface | Max. drives | Description | |
|---------------------------------------|--------------------------------|-----------|-------------|-------------|---|
| No. of slots / max. capacity (native) | 8 slots / up to 96 TB | LT20 S2 | SAS or FC | 1 | LTO 6/ LTO 7/ LTO 8 drive with 20 TB (LTO-6) or 48 TB (LTO-7) or 96 TB (LTO 8) capacity native |
| | 20 - 280 slots / up to 3360 TB | LT140 | SAS or FC | 21 | LTO 6/ LTO 7/ LTO 8 drive with 700 TB (LTO-6) or 1680 TB (LTO-7) or 3360 TB (LTO 8) capacity native |
| | 80 - 560 slots / up to 6720 TB | LT260 | SAS or FC | 42 | LTO 6/ LTO 7/ LTO 8 with 1400 TB (LTO-6) or 3360 TB (LTO-7) or 6720 TB (LTO 8) capacity native |

FUJITSU ecosystem with partners

Data protection made easy

Fujitsu reference architecture



| | Specifications | Product | Description | Data-protection functions |
|-----------------|----------------------|---|---|---|
| Usable capacity | 48 - 336 TB per node | Reference architecture for Commvault HyperScale™ Software | Fully-tested, easy-to-set-up solution based on FUJITSU Server PRIMERGY to protect data in physical, virtual or cloud-based data centers | Backup and recovery, deduplication, compression, encryption, archiving, application support, snapshot, replication, tape and cloud backup |

Commvault appliance



| | Specifications | Product | Description | Data Protection Functions |
|-----------------|-------------------|---------|--|---|
| Usable capacity | 4.5, 14.5 TB | RO1100 | Integrated backup appliance based on FUJITSU server PRIMERGY for remote/branch offices | Backup and recovery, deduplication, compression, encryption, archiving, application support, snapshot, replication, tape and cloud backup |
| | 29, 43, 58, 87 TB | HS1300 | All-in-one backup appliance based on FUJITSU server PRIMERGY. It provides mid-sized to large environments with a customizable, self-contained solution for professional backup | |
| | 174, 262 TB | HS3300 | | |

Veritas NetBackup appliance



| | Specifications | Product | Description | Data-protection Functions |
|-----------------|----------------|-----------------------|--|---|
| Usable capacity | 250 TB | NBU Virtual Appliance | Simplified remote office protection for virtual environments by leveraging existing hardware infrastructure | Backup and recovery, deduplication, compression, encryption, archiving, application support, snapshot, replication, tape and cloud backup |
| | 10 - 442 TB | NBU 5250 | All-in-one backup appliance provides midsized-to-large environments with a customizable, self-contained solution for professional backup | |
| | 120 - 1920 TB | NBU 5340 | | |

Commvault data platform

Simplifies an IT organizations, ability to manage data across its lifecycle with integrated modules for backup and recovery, archive, replication, analytics and more. Commvault HyperScale™ software is a powerful, cloud-ready solution bringing scale-out infrastructure to the Commvault data platform.

Veritas NetBackup

Simplifies the protection of your information-driven enterprise by automating advanced technologies and standardizing operations across applications, platforms and virtual environments.

Veritas EnterpriseVault

The industry's most widely deployed archiving solution, is a platform that bridges the gap between a company's legal department and IT by adding intelligence to the way organizations store, manage and discover information.

How Fujitsu helps you to keep everything running smoothly



| Severity | Time | Type | Message ID | Node Name | Operator | Exception |
|----------|------------------------------|-----------------------------------|------------|-----------|----------|---|
| Drop | August 3, 2016 9:30:18 AM | sm event | 5055001 | | | Since the event (Distribution call for the execution of the service (Service) has not been started. |
| Info | August 3, 2016 9:30:18 PM | Service/Status operation complete | 5055103 | CRMS13 | | Registration of node information completed. |
| Drop | August 3, 2016 9:30:19 AM | sm event | 5055001 | | | Since the event (Distribution call for the execution of the service (Service) has not been started. |
| Info | August 3, 2016 9:30:21 PM | Service/Status operation complete | 5055103 | CRMS14 | | Registration of node information completed. |
| Info | August 3, 2016 9:30:18 AM | Service/Status operation start | 5055102 | CRMS12 | | Registration of node information not started. |

FUJITSU Software Infrastructure Manager (ISM)

The holistic approach for simplifying data center management

The FUJITSU Software Infrastructure Manager (ISM) is a converged data center management solution that provides organizations centralized control over the entire infrastructure, includes servers, storage, networking and cloud management software as well as power and cooling using a single user interface.

FUJITSU Software Infrastructure Manager

Product highlights include:

1. Converged management: Simplified IT operations and consistent management across server, storage and networking
2. Increased agility: Intuitive software providing actionable insights leading to reduced customer response time
3. Accelerated growth and innovation: Streamlined delivery of IT services to speed the transition to hybrid cloud

Designed the way people work, ISM provides an integrated view and centralized control over heterogeneous environments.

Control IT – centralized, easy, efficient

- Node management
- Health status monitoring and control
- Capacity/threshold management
- Power management

Dynamize IT – simple, sophisticated, efficient

- Converged management
- Auto discovery
- Virtual-I/O management
- Network topology management

Maintain IT – in any state, at any place

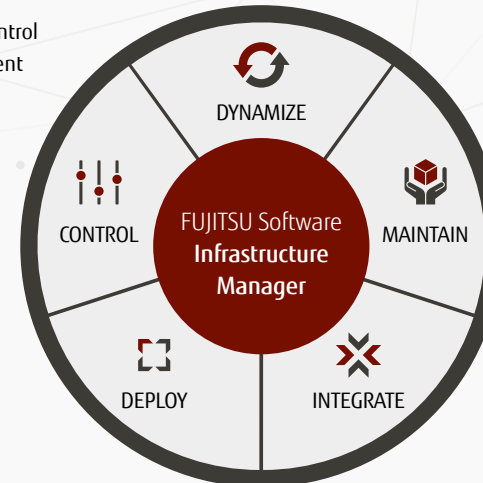
- Remote management
- Update management
- Logging and auditing

Deploy IT – fast, easy, reliable

- Automated device configuration
- Mass OS installation

Integrate IT – seamless, manageable, uniform

- in enterprise management
- in vendor-specific management
- Monitoring of third-party platforms



ISM offers flexible options to meet different business needs

ISM Advanced

- Fully-featured advanced version that provides infrastructure management across multiple data centers
- Also monitors third-party vendor devices in addition to integrating into VMware, Microsoft System Center, and Ansible environments.

ISM Essential

- Provides a quick start to efficient infrastructure management with converged monitoring and management capabilities free-of-charge
- Provides an easy upgrade path to ISM Advanced license

FUJITSU Software Infrastructure Manager (ISM)

The holistic approach for simplifying data center management

Servers-storage-networking

ISM Advanced

DEPLOY

- Automated device configuration
- Mass OS installation

CONTROL

- Node management
- Health status
- Event management
- Capacity/threshold mgmt.
- Group power capping
- Power consumption
- Inventory management

MAINTAIN

- Update management
- Firmware baseline
- Logging and auditing
- Performance management
- Archive management

DYNAMIZE

- Dashboard
- Auto discovery
- Virtual-I/O management
- Network topology management

INTEGRATE

- In enterprise mgmt.
- In vendor-specific management
- In third-party platforms (monitoring only)

ISM Essential

CONTROL

- Node management
- Health status
- Event management
- Capacity/threshold mgmt
- Power consumption
- Inventory management

MAINTAIN

- Update management
- Logging and auditing
- Performance management

DYNAMIZE

- Dashboard
- Auto discovery

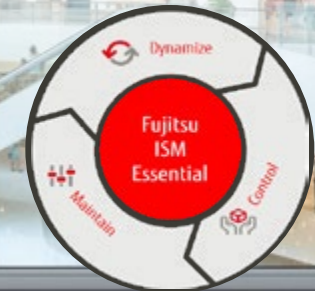
ISM Essential is a standard version of ISM, providing essential monitoring and update capabilities

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