

Fact sheet

The Ideal Hadoop Servers

FUJITSU Integrated System PRIMEFLEX® for Hadoop

Rack Server PRIMERGY RX2540

In standard Hadoop cluster environments, Fujitsu's PRIMERGY RX2540 rack servers are ideal to be used as slave nodes due to their unbeatable disk capacity per height unit. The 2U dual-socket rack server RX2540 allows 24x 2.5-inch + 4 additional rear option 2.5-inch HDD or up to 12x 3.5-inch storage drives.



Like the whole PRIMERGY family, they are the perfect platform to build up dynamic infrastructures to support current and future business requirements by delivering top performance, excellent scalability and leading efficiency in a modular, easy-to-upgrade housing. Combined with high efficient power supplies and a simplified power management this contributes to favorable lifecycle costs. The PRIMERGY RX2540 server nodes with up to 408 cores and over 1PB of disk storage per rack address the deployment of platforms for storage-intensive big data analytics. This server is capable to carry all types of Hadoop loads.

Scale out Server PRIMERGY CX400

In addition to PRIMERGY RX2540, the multi-node server PRIMERGY CX400 offers maximum compute power per height unit, for compute intensive tasks like e.g. SPARK executions instead of classical MapReduce computations.



High compactness, a shared power and cooling infrastructure and ease of use aiming at decreased capital and operational expenses are central design characteristics of the PRIMERGY CX400 architecture.

As part of the PRIMERGY CX multi-node server line, it provides a new condensed granularity for scale-out server deployment by packing up to 4 half-wide dual socket server nodes into an only 2 U chassis in standard 19" rack form factor. The PRIMERGY CX2550 server nodes with up to 960 cores and 720 TB disk capacities per rack address the deployment of platforms for compute-intensive big data analytics. Clusters built on these servers with their high computing density provide the power to run the latest in-memory real-time processing engines, which more and more replace the classic map-reduce batch processing tools in the Hadoop family, in a most efficient way.

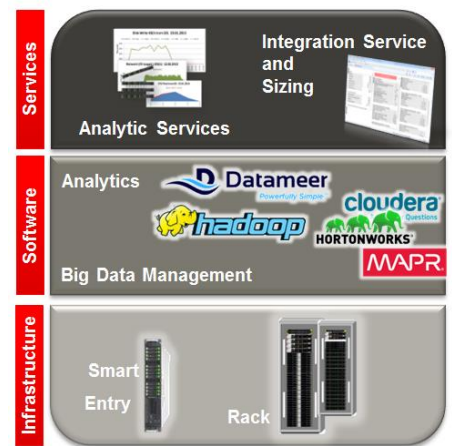
Reference Architecture and ready-to-run system based on Rack Server PRIMERGY RX2540 and Scale out Server PRIMERGY CX400

Building datacenter infrastructures for a certain use case can be complex, error-prone and time-consuming. Moreover it requires a deep knowledge of all components involved and their dependencies to each other. Therefore, a do-it-yourself approach entails many risks for businesses. These risks can be avoided by using integrated systems. FUJITSU Integrated System PRIMEFLEX for Hadoop is a pre-configured and pre-tested combination of servers, storage, network connectivity and software.

PRIMEFLEX® for Hadoop

PRIMEFLEX for Hadoop is a powerful and scalable integrated system that provides business users with a more cost-effective way of creating actionable analytics from Big Data.

For worry-free operation, strategic big data consulting, analytics consulting, consulting for Hadoop and integration and maintenance services are supplementing the offering which helps to create knowledge from information.



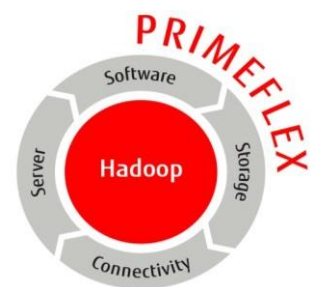
Systems

Ready-to-run

- Entry: 4xCX2550 / 64 cores / 48 TB

Reference Architectures

- Rack XXL - for storage-intensive data analytics: 17xRX2540 / 408 cores / 816 TB (per rack)
- Rack Power - for compute-intensive and in-memory big data analytics: 60xCX2550 / 960 cores / 720 TB (per rack)
- Rack Power Vora - optimized for in-memory big data analytics with SAP HANA Vora : 60xCX2550 / 960 cores / 720 TB (per rack)



More information

Fujitsu products, solutions & services

Products

www.fujitsu.com/global/products/

In addition to PRIMEFLEX for Hadoop, Fujitsu offers a full portfolio of other computing products:

<http://www.fujitsu.com/global/products/computing/integrated-systems/hadoop.html>

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.

Fujitsu products, solutions & services

Services

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 center 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 know-how, we aim to resolve issues of environmental energy efficiency through IT. Please find further information at:



More information

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