

FUJITSU Integrated System PRIMEFLEX®

Your Fast Track to Data Center Infrastructures

The typical situation

The business demands for new ICT services, these require new infrastructures in the data center, but building a data center infrastructure is increasingly complex. Components such as servers, storage, network components and software need to be selected from a myriad of options, procured and integrated. Moreover, extensive tests are conducted, because the compatibility of the individual components is not always guaranteed. This in turn requires a deep knowledge of all components involved and an understanding of their interdependencies, if you want to do all this on your own. Consequently, such a do-it-yourself approach would always present businesses with multiple risks.

The new way: Integrated Systems

There is a better and more cost-effective solution: Using an integrated system reduces complexity, shortens time to production and minimizes risk, and contributes to operational efficiency, better resource utilization and considerable cost savings. An Integrated System is a pre-defined, pre-integrated and pre-tested combination of data center components. It includes servers, storage, network connectivity and software. Withal, management software is mandatory, while virtualization software, databases, other middleware or even applications may be optionally included.

Integrated systems are either pre-installed in the factory and therefore arrive ready-to-run, or they are delivered as reference architectures, which can be easily adapted according to customer-specific requirements. All typical activities, such as infrastructure design, component integration and testing have been conducted before project start. The onsite activities are correspondingly confined to the deployment of the Integrated System and the integration into the production environment.

FUJITSU Integrated System PRIMEFLEX

With its PRIMEFLEX family, Fujitsu offers one of the broadest portfolios of Integrated Systems in the market. PRIMEFLEX includes ready-to-run systems and reference architectures, either for general purposes or purpose-built. The systems are built from best-in-class components, either own technologies, as for instance our FUJITSU Server PRIMERGY and FUJITSU Storage ETERNUS, or from leading technology partners. They are based on proofs-of-concept, best practices and extensive project experience, and are proven in Fujitsu's cloud operation. The PRIMEFLEX line-up includes the traditional converged type of integrated systems as well as hyper-converged systems.

PRIMEFLEX solutions are available for various areas, e.g. server and desktop virtualization, Private Cloud infrastructures, High Availability and Disaster Recovery, High Performance Computing, Big Data and Analytics, as well as for SAP and Microsoft environments.

Highlights of PRIMEFLEX reference architectures

For all PRIMEFLEX reference architectures, comprehensive installation and configuration descriptions are available as a standard. On demand, reference architectures or adjusted configurations can even be pre-installed in one of Fujitsu's staging centers, thus combining the advantages of both, reference architectures and ready-to-run systems.

Professional Services

Although most of the typical activities have been done by Fujitsu before project start, some activities still need to be done onsite. Fujitsu provides PRIMEFLEX-related deployment services, either on demand or as an integral part of the Integrated System offering. The often more challenging task is the integration into the existing production environment, which is covered by Fujitsu's Integration Services that customers may order optionally. Additional services, for instance database migration, are also available on demand. Fujitsu's Consulting Services often represent a groundbreaking element for organizations at the beginning of any IT journey. Examples are assessments, IT Investment Decision Support, configuration and sizing support. Depending on the region and the respective local capabilities, services are either delivered by local consultants from Fujitsu or its partners, or by Fujitsu's international delivery team.

Meeting the challenge of lifecycle management

For sure, fast deployment and short time to production are obvious advantages you can take from Integrated Systems. However, Integrated Systems can yet cause high efforts during operation. Again and again, updates and upgrades will be necessary for individual components. As the compatibility of all components is not always ensured, high integration and testing efforts have to be taken, the frequency of which can prove as painful due to the different release cycles of the components. Apart from component updates, maintenance and operation in general might not be always pleasant for anybody. Therefore we are turning towards the question, how to avoid these issues during the operational phase.

There is first of all **Fujitsu Lifecycle Management**, which we denote as the pill for headaches caused by updates. All relevant updates, patches, security fixes and component replacements are delivered as pre-tested and quality-assured update packages to the customer. This ensures consistency of all components across the entire lifecycle of the Integrated System, which in turn help reduce maintenance efforts and minimize downtime.

Fujitsu Solution Support relieves you from headaches caused by unpredicted problems during operation. As the name implies, Fujitsu provides support for the entire Integrated System with aligned service levels for all its components, be it hardware or software, be it from Fujitsu or its technology partners. This even applies to reference architectures which have been adapted to customer-specific requirements. It goes without saying that there is a single point of contact for all support matters related to your Integrated System.

Beside reactive services based on optimized processes, optional proactive services are offered, comprising a regular system health check. Thus, critical system conditions can be detected early and preventive maintenance measures will be initiated. Due to Fujitsu's global capabilities, support services can be delivered consistently across geographic border, or even globally.

If you want to go a step further and disburden your administrators from standard operational tasks, **Fujitsu Data Center Services** will be the best choice. Fujitsu takes over the operation of your data center infrastructure on your premises, or in any of its own data centers. These options represent all-round care-free packages providing peace of mind for IT managers.

Many years of experience

Fujitsu has a long track record in Integrated Systems. The first Integrated System was shipped already in 2002, long before the term of Integrated Systems was used in the market. Since then, the processes for Integrated Systems have been continuously optimized, be it in product management, manufacturing, quality assurance or support. Meanwhile FUJITSU Integrated System PRIMEFLEX is one of the broadest portfolios of Integrated Systems in the market. Integration of new infrastructures into existing data center environments has been one of Fujitsu's core activities over decades. And the fact that Fujitsu operates more than 150 data centers in over 20 countries across the globe might be a sufficient proof for its data center service capabilities.

Financial Services

If you want to implement Integrated Systems on tight budget, Fujitsu can help out with attractive financing options.

Summary

Integrated Systems relieve you from all possible pain caused by building data center infrastructures on your own, because they help reduce complexity, time and risk, while increasing operational efficiency. PRIMEFLEX is the answer to many important use cases. Due to its attractive characteristics and add-ons, you will get all you need for fast time to value, and more. FUJITSU Integrated System PRIMEFLEX – Your fast track to data center infrastructures.

Contact

FUJITSU Technology Solutions GmbH
Address: Mies-van-der-Rohe-Strasse 8,
80807 Munich, Germany
Website: www.fujitsu.com/fts
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