FUJITSU PRIMEFLEX for OpenStack

PRIMEFLEX

Software · Storage · Connectivity · Server · **OpenStack**
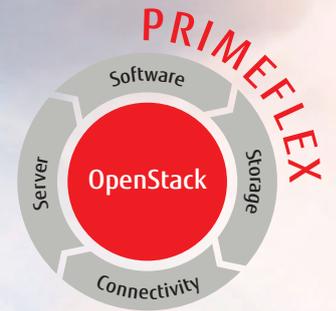
Fast track to your OpenStack® cloud infrastructure

Getting your IT ready for the digital business era

The "digital first" imperative is increasingly becoming a reality in those enterprises seeking to transform business models in order to enable innovation, new revenue streams and a better customer experience. The cloud is the ideal platform because it is agile enough to adapt quickly to the challenges of digital business initiatives. And OpenStack is the fastest growing cloud management platform; it is cost-effective, open, flexible and massively scalable. Originally positioned as a best-fit infrastructure for cloud-native applications, OpenStack has evolved to become the de-facto-standard of an open common management platform for hybrid cloud infrastructures, regardless of the type of workload. However, there are various risks that can impact timelines and budgets in the implementation phase of a complex cloud infrastructure project. You need to make sure that enough skilled resources are on board for the design, build and deployment phases – and later on you also need to take care of maintenance and the ongoing innovation of the complete technology stack.

FUJITSU Integrated System PRIMEFLEX® for OpenStack

To mitigate those risks, Fujitsu introduced PRIMEFLEX for OpenStack, an integrated system including a range of validated reference architectures that provide customers with a smooth transition to OpenStack. PRIMEFLEX for OpenStack combines a high-performance and energy-efficient Fujitsu hardware stack, choice of leading OpenStack platforms from Red Hat® and SUSE®, one-stop support and a comprehensive professional service portfolio – all in one solution package. A range of optional validated software and hardware extensions on top of the core PRIMEFLEX for OpenStack platform complete the offering. PRIMEFLEX for OpenStack is the fastest way to deploy a highly flexible, cost-effective and scalable OpenStack cloud platform.

Customer Benefits

- Start small and "grow as you go" based on validated reference architectures providing a proven foundation for OpenStack
- Select the OpenStack environment that best fits your needs by leveraging OpenStack platforms from Red Hat and SUSE
- Gain improved operational efficiency with a broad range of value-add extensions on top of the core OpenStack platform
- Profit from seamless integration into the overall OpenStack ecosystem with our multi-cloud management platform
- Reduce deployment risk and gain fast time to production with our on-site deployment service
- Reduce maintenance workloads with our single point of contact approach to support

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Solution components

PRIMEFLEX for OpenStack supports the following core components:
- Compute: FUJITSU Server PRIMERGY RX/CX
- Storage: FUJITSU Storage ETERNUS DX
- Networking: Brocade® or Cisco®
- OpenStack platforms: Red Hat or SUSE

In addition to the core PRIMEFLEX for OpenStack platform components, Fujitsu offers a broad choice of validated extensions for improved operational efficiency. These extensions cover the following areas:
- Software-defined Storage: FUJITSU Storage ETERNUS CD 10000
- Software-defined Networking: Midokura Enterprise Midonet
- Monitoring: FUJITSU ServerView Cloud Monitoring Manager
- Cost Management: FUJITSU Cloud Service PICCO
- Enterprise Portal: FUJITSU Software Service Catalog Manager
- Application Delivery and Migration: UShareSoft UForge AppCenter

How to get started

Fujitsu provides a broad range of deployment options based on validated configurations, taking various customer engagement levels and varying use cases into account. No matter where you start – whether you just want to take your first steps toward OpenStack, or need to evaluate application deployment and backup concepts, along with different storage, high-availability or enhanced software-defined networking options – we provide you with a configuration that matches your needs.
- **Remote Evaluation**
  Based on a usage fee, we provide you with remote access to a complete evaluation environment in the Fujitsu data center, plus consultant support for your proof of concept. This enables you to evaluate a wide variety of use cases without any hardware procurement.
- **Single Box**
  Get one box with a fully virtualized ready-to-run OpenStack environment and a consulting support package for your initial steps toward OpenStack.
- **Basic System**
  This configuration provides you with the smallest hardware footprint with two dedicated nodes for administration and control, two compute nodes, networking systems and optional external storage.
- **Jumpstart Package**
  This package includes one administration node, three control nodes, three compute nodes, networking systems and optional external storage. This is the smallest footprint that allows for a technical migration path to a customized production environment
- **Customized Package**
  Select this option if you want a a configuration with customized dimensions to satisfy your specific requirements

Fujitsu – delivering the Hybrid Cloud on OpenStack

Enterprises demanding improved collaboration, greater flexibility and efficiency are increasingly looking at a hybrid cloud approach as an ideal way to combine the best of the cloud with their own localized data centers. In an OpenStack user survey conducted in April 2016 by openstack.org, 97 percent of the community members surveyed said standardizing on the same open platform and APIs that power a global network of public and private clouds was one of their top five considerations in choosing OpenStack.

Since 2015 Fujitsu has been using OpenStack as the common technology basis for the company's global off-premise and on-premise cloud service platforms. Furthermore, the FUJITSU Software Service Catalog Manager is a powerful cloud management platform delivering a unified self-service and supplier portal to create and offer SaaS, PaaS and IaaS services across multiple cloud service platforms. This software, available as pure Open Source as well as on a subscription basis, significantly increases flexibility and speed of service delivery, while also improving governance across all these cloud services.

FUJITSU Professional Services and Support

Fujitsu provides optimized deployment services for PRIMEFLEX for OpenStack to get your OpenStack cloud environment up and running smoothly. Additional professional services, including assessment, design and customized integration, are available on request. For configurations based on the above-mentioned solution components, Fujitsu provides a single point of contact for support.

FUJITSU Financial Services

As financing is a key element in your investment decision, Fujitsu Financial Services offers you a complete portfolio of IT leasing and financing solutions, as well as trade-in and buy-back options. These solutions provide benefits at every stage of the transition to your new private cloud infrastructure – from the removal of the old IT equipment, to the gradual implementation of the new equipment, right through to a Tech Refresh option a few years down the line.

Why Fujitsu?

As a Gold Member holding a seat on the board of the OpenStack Foundation, Fujitsu is strongly committed to driving the OpenStack initiative forward. Over the past few years Fujitsu has developed a broad OpenStack ecosystem across private and public cloud environments. With vast experience as a leading service provider offering global cloud services based on Open Source technology, Fujitsu is in the best position to help you optimize your own data center infrastructure to best meet the requirements of your digital business initiatives. Fujitsu fully supports every phase of your transition to make your OpenStack cloud infrastructure a complete success.

www.fujitsu.com/primeflex/openstack

Take advantage of our OpenStack demo environment in the Fujitsu Demonstration Center: Contact PRIMEFLEX-PM@ts.fujitsu.com

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