



Highlights

Delivers a competitively priced offering, providing a services automation and management framework for the adoption of cloud computing environments

- IBM zEnterprise™ features advanced virtualization that supports thousands of workloads on a single system
 - Tivoli software automates requesting, deployment, monitoring and management of cloud computing services
 - IBM services implements and optimizes the Solution Edition for Cloud Computing
-

IBM System z Solution Edition for Cloud Computing

Designed to create the ideal private enterprise cloud

The IBM System z Solution Edition for Cloud Computing offers a robust set of cloud management capabilities allowing greater control and automation of cloud resources. It is offered a competitive price point, and combines our industry-leading IBM zEnterprise™ hardware, Tivoli® software and IBM services.

IBM zEnterprise is the ideal platform for cloud computing

IBM zEnterprise provides the freedom to improve services through a system designed to create the ideal private enterprise cloud for the flexible delivery of high value services.

The zEnterprise System family delivers:

- Advanced virtualization technology
 - zEnterprise is highly scalable providing the capability to deploy thousands of workloads in a single system with each virtual instance delivered with multitenancy, delivering a customized virtual application instance of software for each organization that needs access.
- A secure and trusted platform
 - This system continues to be highly secure with an EAL 5 rating and the design of the architecture has less intrusion points. Multitenancy contributes to security via LPARs which are the equivalent of separate physical boxes.



- Heterogeneous cloud capabilities via open APIs for the datacenter
 - zEnterprise provides support and central management capabilities for multiple operating systems including AIX, Linux on System and Windows on System x.
- Created on zero downtime design principles
 - There are physical redundant parts within the server that support hot failover and the mean time between failure is measured in decades on System z.

These leading enterprise computing capabilities combine with a flexible and efficient resource deployment model which allows new and existing services to co-exist and to be rapidly deployed creating an IT environment that is managed with cloud technologies.

Create a self-managed cloud platform with IBM Tivoli

IBM understands that the effectiveness and efficiency of a cloud implementation is contingent upon a service process management platform that can deliver and automate a dynamic infrastructure, while enabling self service for the end user.

IBM Tivoli Service Automation Manager provides automated service lifecycle management, including dynamic instantiation of cloud services and management throughout their lifecycles. Automation and management of this instantiation is based on templates and management plans for manual and automated management components.



Not only does automation reduce the time required to deploy and manage a cloud computing environment, it can also significantly reduce IT operational costs, reduce errors, and reserve highly valuable team members' time for other tasks.

Tivoli Service Automation Manager addresses the challenges of manual deployments by delivering three critical customer benefits in a cloud computing model:

- Faster services deployment
 - Deployment is accelerated by exposing service offerings directly to the end-user service consumer, automating provisioning and integrating role-based process flows.

IBM Systems and Technology

Solution Brief

- Lowering the cost of service delivery
 - Cost is lowered by providing low or no-touch deployment and improving the server to administrator ratios resulting in significant reductions in labor costs.
- Improved quality of service
 - Services are deployed in standardized delivery models and templates which include audit trails and through a self-service portal for service consumers.

With Tivoli Service Automation Manager, services can be made available to end users through request-driven provisioning, increasing end user satisfaction.

IBM Services Accelerates the Time to Value

Whether you are upgrading existing capacity or buying new system resources, the IBM services team delivers a cloud computing framework to accelerate customer value.

We provide implementation and optimization services to prepare the base environment, install the cloud service management software and finally to optimize the environment to meet the client's needs.

With optional planning workshops, IBM Services can determine how best to meet the client's cloud computing needs, while ensuring active involvement.

When IBM Services leaves the account, the client has a cloud computing environment up and running on IBM zEnterprise.

Flexible Financing

The cloud financing portfolio from IBM Global Financing is a comprehensive set of funding options that can free up capital and turn large upfront investments into affordable monthly payments. From simple loans to custom leases, the total cloud solution can be financed with competitive rates and customized payment structures for hardware, software and services from both IBM and third parties—in one simple contract with one low periodic payment.

IGF has announced a 90-day payment deferral, whereby clients can implement their cloud solution now, and make no payments until next year. ibm.com/financing/us

For more information

To learn more about the IBM Solution Edition for Cloud Computing, please contact your IBM marketing representative or IBM Business Partner, or visit: ibm.com/systems/z/solutions/editions/cloud/



© Copyright IBM Corporation 2012

IBM Corporation
Systems and Technology Group
Route 100
Somers, NY 10589

Produced in the United States of America
February 2012

IBM, the IBM logo, ibm.com, zEnterprise, System z, and Tivoli are trademarks or registered trademarks of International Business Machines Corporation in the United States, other countries, or both. If these and other IBM trademarked terms are marked on their first occurrence in this information with a trademark symbol (® or ™), these symbols indicate U.S. registered or common law trademarks owned by IBM at the time this information was published. Such trademarks may also be registered or common law trademarks in other countries. A current list of IBM trademarks is available on the web at "Copyright and trademark information" at ibm.com/legal/copytrade.shtml

Other product, company or service names may be trademarks or service marks of others.



Please Recycle