RED HAT CLOUD FOUNDATIONS,
EDITION ONE

Real Clouds. Today.

PLAN ▶ BUILD ▶ MANAGE

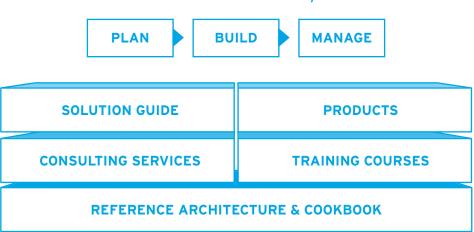| SOLUTION GUIDE	PRODUCTS
CONSULTING SERVICES	TRAINING COURSES

REFERENCE ARCHITECTURE & COOKBOOK

Red Hat Cloud Foundations provides everything needed to help you plan, build, and manage a private cloud today. Red Hat delivers the most complete and comprehensive cloud solutions in the market, with the flexibility that comes only from the open source leader. Red Hat's cloud vision is unlike that of any other IT vendor. We recognize that IT infrastructure is – and will continue to be – composed of pieces from many different hardware and software vendors that must work together. We recognize that you want to grow and improve your IT systems and operations gradually and not through wrenching change.

Red Hat Cloud Foundations, Edition One is the first in a family of Cloud Foundations that include everything needed to build and manage a private cloud: a comprehensive set of products (virtualization, cloud management, OS, middleware, application management and scheduling), cookbooks and reference architectures giving step-by-step instructions, consulting services, and training, backed by Red Hat's exceptional customer support. We make cloud easy and safe.

With Red Hat Cloud Foundations, you can:

- Build private clouds utilizing Red Hat Enterprise Virtualization or VMware ESX Server
- Run and manage applications inside your data center and on Red Hat Certified Public clouds, such as Amazon EC2
- Leverage existing infrastructure, through Red Hat's unique open source, interoperable cloud architecture that doesn't lock you into a single vendor's stack

It's all conveniently packaged so that it's easy to implement and easy to use.

In a market full of hype, Red Hat makes the cloud real and compelling. Today.

SERVICES

RED HAT CLOUD CONSULTING SERVICES

Red Hat products are all you need to build a private cloud today. However, if you need something more, Red Hat Consulting delivers services to help you navigate and execute a cloud adoption strategy. Red Hat Consulting offerings for the cloud include:

- **Cloud Quickstart** for customers ready to explore cloud for their infrastructure and develop proof points of cloud viability.
- **Red Hat Services Pathway to Cloud Computing** for customers ready to embark on a path to strategic planning and deployment of cloud technologies.

RED HAT GLOBAL LEARNING SERVICES CLOUD TRAINING CLASS

Red Hat provides a robust set of technologies and partnerships for customers to build cloud solutions. Among the key technologies are Red Hat Enterprise Virtualization, Red Hat Network Satellite, Red Hat Cluster Suite, JBoss Enterprise Application Platform, and JBoss Operations Network. Red Hat training courses are available for each of these technologies today.

In late 2010, Red Hat Global Learning Services plans to introduce a cloud training course that will bring together these technologies into an integrated training course on how to build an enterprise cloud solution with Red Hat.

PRODUCTS

RED HAT ENTERPRISE VIRTUALIZATION

Red Hat Enterprise Virtualization creates a secure, scalable environment for sharing resources among multiple users and organizations at a cost effective price. Multi-tenancy creates new performance and security challenges that older virtualization technologies simply were not designed to address. Red Hat Enterprise Virtualization introduces advanced security and Quality of Service (QoS) capabilities, key factors for widespread cloud trust and adoption. Red Hat Enterprise Virtualization was architected from the beginning to solve these problems. That's why so many major public cloud providers deploy Red Hat Enterprise Virtualization as their virtualization layer.
More info: http://www.redhat.com/virtualization/rhev/

RED HAT ENTERPRISE LINUX

Red Hat Enterprise Linux is the most popular operating system for running applications in the cloud. Its robust base of developers and certified applications make it a natural for moving applications into the cloud. The legendary performance and reliability of Red Hat Enterprise Linux takes full advantage of the horizontal scale that the cloud offers. Flexible licensing options let you move Red Hat Enterprise Linux subscriptions seamlessly between internal clouds and capacity purchased on Red Hat Certified Premier Cloud Providers.
More info: http://www.redhat.com/rhel/

RED HAT NETWORK SATELLITE

Red Hat Network Satellite makes the provisioning and distribution of virtual appliances simple and easy, across a diverse set of capacity. Use the same set of tools to manage virtual and physical servers, internal or on Red Hat Certified Premier Cloud Providers.
More info: http://www.redhat.com/red_hat_network/

JBOSS OPERATIONS NETWORK

JBoss Operations Network is an integrated management platform that simplifies the development, testing, deployment and monitoring of your JBoss Enterprise Middleware. From the JBoss Operations Network (JBoss ON) console you can inventory resources from the operating system to applications. Control and audit your application configurations to standardize deployments. Manage, monitor and tune your applications for improved visibility, performance and availability. One central console provides an integrated view and control of your JBoss middleware infrastructure.
More info: http://www.redhat.com/jboss_on/

RED HAT ENTERPRISE MRG GRID

Red Hat Enterprise MRG Grid provides flexible workload scheduling and orchestration across diverse clouds. It adapts in real-time to capacity supply and demand. For example, if demand on your e-commerce application is higher than expected, Enterprise MRG Grid can automatically purchase, start, provision, and monitor additional servers in a Certified Premier Cloud Provider cloud, such as Amazon EC2. When the demand declines, or when more capacity is freed up on your internal servers, Enterprise MRG Grid will shut down the external servers and automatically shift the workloads to internal servers.
More info: http://www.redhat.com/mrg/

JBOSS ENTERPRISE MIDDLEWARE

JBoss Enterprise Middleware by Red Hat is a comprehensive portfolio of middleware software for building and deploying composite applications into private and public clouds. JBoss provides a series of modular and lightweight Java-based application platforms for cloud environments that enables architects to select the most appropriate language, programming model, or component model for their cloud deployment. JBoss integration platforms enable organizations to deploy, manage, and orchestrate cloud-based services into composite applications. JBoss presentation services enable users to create user interaction capabilities composed of disparate cloud services.

Develop applications in PHP, Perl, Python, Ruby, OCAML, C/C++, Java, Seam, Hibernate, Spring, Struts and Google Web Toolkit, and deploy with Red Hat Enterprise Linux and JBoss Enterprise Middleware.
More info: http://www.redhat.com/jboss/