

# Cloud Computing Virtualization - Market Strategies Shares, and Forecasts, Worldwide, 2010-2016

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#### **Abstracts**

WinterGreen Research announces that it has a new study on: Cloud Computing Virtualization: Market Shares and Forecasts, Worldwide, 2010-2016. Virtualization of software and servers creates ways to create more effective automated control of business process. The on-demand deployment model depends on the implementation of cloud computing. The ability to deploy virtual application images on any platform at any time has increased significantly. Business software as a service SaaS applications and cloud computing models have matured and adoption has become an issue for every IT department.

Private cloud systems provide security, response time, and service availability. Applications, platforms, and infrastructure are evolving separately. SaaS software as a service application is widely known by the salesforce.com computing model. Platform as a service (PaaS) and infrastructure as a service (IaaS) complement SaaS as compelling aspects of cloud computing and infrastructure services. An organization's application development team and the application portfolio need to be managed as a piecemeal part of the IT infrastructure. It is generally managed on an application by application basis. Applications represent a major source of IT value and are a large IT cost component.

Markets depend on virtualization to make information technology delivery a utility. On demand systems scale to meet the needs of users and users only pay for the capacity they use. Strategies relate to different ways to position software, hardware and services for the most effective product set. The 2010 study has 736 pages, 231 tables and figures.

The popularity of the on-demand deployment model has increased significantly.



Systems provide security, response time, and service availability. SaaS software as a service application is widely known by the salesforce.com computing model illustrates. Business applications and computing models have matured and adoption has become an issue for every IT department. Platform as a service (PaaS) and infrastructure as a service (IaaS) have joined SaaS as compelling aspects of cloud computing applications and infrastructure services.

The IBM mainframe has the reliability, scalability, security, large block of memory, shared workload capability, and remote support capability needed in cloud computing. These are called the ity features. IBM mainframe leads enterprise cloud computing. IBM mainframe strategy seeks to permit users to utilize data, applications and services from any device and from any location based on open standards.

The IBM mainframe is able to virtualize new workload. The IFL virtualization provides a stable secure hosting environment for thousands of application images. IBM SOA cloud software is the leading integration system with 72% market share of a rapidly growing systems architecture. The code modules provide a way to make flexible systems that respond to changing market conditions.

Cisco virtualization is delivered through Unified Computing. As a premier networking company, Cisco has designed a compelling architecture that bridges the silos in the data center. A unified architecture uses industry standard technologies. Key to Cisco's approach is the ability to unite compute, network, storage access, and virtualization resources. A single energy efficient system can reduce IT infrastructure costs and complexity. It is used to extend capital assets and improve business agility.

Hewlett Packard High-performance computing (HPC) markets are powered by the adoption of Linux clusters. High-performance computing (HPC) markets are powered by the adoption of Linux clusters. Cluster complexity is rampant hardware parallelism: systems averaging thousands of processors, each of them a multi-core chip whose core count doubles every 18.24 months.

Hardware parallelism trend the additional issues of third-partysoftware costs, weak interconnect performance, the difficulty of scaling many applications beyond a single node, storage and data management, power, cooling, and facility space.

Cluster complexity quickly begins to skyrocket. Hewlett-Packard (HP) has the HPC cluster market share leadership position. Competitive advantage has been achieve principally by working to alleviate cluster complexity through a coordinated strategy of



investment and innovation, HPC-centric product planning and design, external partnerships, application expertise and focus.

System integration, sales, and support are part of the HPC cluster solution. HP havs dominated the market by focusing on alleviating this complexity for datacenter administrators and end users. HP's broad product portfolio for HPC also leverages the company's innovations for the mainstream enterprise IT market and advances from HP Labs.

HP has taken a customer-centric, technology-agnostic approach that offers buyers a wide range of technology and product choices. The company has amassed the inhouse domain expertise needed to act as a trusted advisor to HPC users. HP has an innovative approach to the HPC market. The company is positioned to sustain its strong presence. The ability to exploit near-term growth trends depends on continuing to grow out the cluster capability leveraging virtualization.

The major management objectives for this critical area of applications implementation include improving service-oriented architecture (SOA) adoption, increasing Software Development Life Cycle (SDLC) efficiency, improving cost management, and reducing ineffective spending.

The fundamental aspect of cloud applications implementation relates to flexibility. The ability to be responsive to changing market conditions is central to the modern IT management task. The desire for systems that support flexibility is anticipated to spur rapid growth of cloud computing. Cloud computing markets at \$20.3 billion in 2009 are anticipated to reach \$100.4 billion by 2016.



#### **Contents**

#### **CLOUD COMPUTING VIRTUALIZATION EXECUTIVE SUMMARY**

Cloud Hardware, Virtualization, Migration, and Infrastructure Executive Summary

Cloud Computing Market Driving Forces

Cloud Virtualization Selected Market Participants

**IBM Mainframe Cloud Computing Strategy** 

EMC / VMWare

Cisco Virtualization

Hewlett Packard High-Performance Computing (HPC) Linux Clusters

Northrup Grumman and Lockheed Martin Cloud

Computing for the Defense Industry

Public Cloud Grows Faster Than The Private Cloud

Facebook Technology ES-10

# CLOUD COMPUTING VIRTUALIZATION MARKET DESCRIPTION AND MARKET DYNAMICS

#### 1. CLOUD COMPUTING MARKET DESCRIPTION AND MARKET DYNAMICS

- 1.1 Cloud Computing Permits User Web Services Access
- 1.1.1 Cloud Computing Aspects
- 1.2 Web 2.0 Internet Scale Mainstream Applications
  - 1.2.1 Design Patterns
  - 1.2.2 Data Driven Cloud Computing
  - 1.2.3 Network Effects
  - 1.2.4 Collaboration
  - 1.2.5 Social Networking Heuristics
  - 1.2.6 Wiki-Style Collaborative Editing
- 1.3 Core Competencies of Web 2.0
- 1.4 Social Networking Applications
- 1.5 Cloud Computing Impact On Business
  - 1.5.1 Cloud Computing Corporate Communications
- 1.6 Blogging
  - 1.6.1 Architecture of Participation
  - 1.6.2 Permalink Functionality
- 1.7 Web 2.0 Driven By Data
  - 1.7.1 Control Over The Database



- 1.8 Web 2.0 Advertising Business
- 1.8.1 Google's Lightweight Programming Model Has Led To The Creation Of

Numerous Value-Added Services

- 1.9 Scientific Collaboration Using Web 2.0
- 1.9.1 OpenWetWare Project At MIT
- 1.10 Private Cloud
- 1.11 Private Cloud Software-As-A-Service
- 1.11.1 Private Cloud Product Development
- 1.12 Internal Enterprise Private Cloud Computing
- 1.13 Information Technology Cloud Computing Aspects
- 1.14 Cloud Services A Pricing And Dynamic Scaling Strategy
- 1.15 Information Technology Cloud Computing Aspects
  - 1.15.1 Cloud Computing Business Benefit
- 1.16 Cloud computing Provides value

### CLOUD COMPUTING VIRTUALIZATION MARKET SHARES AND MARKET FORECASTS

# 2. CLOUD HARDWARE, VIRTUALIZATION, MIGRATION, AND INFRASTRUCTURE MARKET SHARES AND FORECASTS

- 2.1 Cloud Computing Market Driving Forces
- 2.2 Host Cloud Systems
  - 2.2.1 Host Cloud System Infrastructure Market Shares
  - 2.2.2 Host Cloud System Infrastructure Market Forecasts
- 2.3 Web Hosting Applications as a Cloud Service Markets
  - 2.3.1 Web Hosting Applications as a Cloud Service Market Shares
  - 2.3.2 Web Hosting Applications as a Cloud Service Market Forecasts
- 2.4 Telecommunications Services Provider and Telecommunications Equipment Vendor Communications as a Cloud Service
- 2.4.1 Telecommunications Services Provider Communications as a Cloud Service Market Shares
  - 2.4.2 Communications as a Cloud Service Market Forecasts
- 2.5 Cloud System z and Server Hardware Service Infrastructure Markets
  - 2.5.1 Cloud System z and Server Hardware Service Infrastructure Market Shares
  - 2.5.2 IBM System z
  - 2.5.3 Hewlett Packard Proliant Servers
  - 2.5.4 Fujitsu
  - 2.5.5 Dell Cloud Services



- 2.5.6 Cisco Server Virtualization
- 2.5.7 Cloud System z and Server Hardware Service Infrastructure Market Forecasts
- 2.6 High Performance Cloud Computing
  - 2.6.1 Hewlett Packard High-Performance Computing (HPC) Market
  - 2.6.2 IBM High Performance Computing
  - 2.6.3 US Navy CANES contracts to Northrop Grumman and Lockheed Martin
  - 2.6.4 Lockheed Martin
  - 2.6.5 Northrup Grumman
  - 2.6.6 High Performance Cloud Computing Market Forecasts
- 2.7 Virtualization Software for a Cloud Service Markets
  - 2.7.1 VMware
  - 2.7.1 HP Cloud Assure Types Of Cloud Service Environments Supported
  - 2.7.2 Joyent Layers Of The Cloud Stack laaS, PaaS, SaaS
  - 2.7.3 Virtualization Industry Participants
  - 2.7.4 Virtualization Software for a Cloud Service Market Shares
  - 2.7.5 Virtualization Software for a Cloud Service Market Forecasts
- 2.8 Digital Content Creation as a Service
  - 2.8.1 Digital Content Creation as a Service Market Shares
  - 2.8.2 Google You Tube
  - 2.8.3 Adobe InDesign
  - 2.8.4 Quark,
  - 2.8.5 Digital Content Creation as a Service Market Forecasts
- 2.9 Collaboration as a Service
  - 2.9.1 Collaboration as a Service Market Shares
  - 2.9.2 Microsoft Online Services
  - 2.9.3 Google and Cisco
  - 2.9.4 Collaboration as a Service Market Forecasts
- 2.10 Social Networking as a Service
  - 2.10.1 Social Networking as a Service Market Shares
  - 2.10.2 Social Networking as a Service Market Forecasts
- 2.11 Mid Range Business IT Service Desk Software as a Service (SaaS)
- 2.11.1 Mid Range Business IT Service Desk Software as a Service (SaaS) Market Shares
- 2.11.2 Mid Range Business IT Service Desk Software as a Service (SaaS) Market Forecasts
- 2.12 SOA ESB Integration as a Cloud Infrastructure Service
  - 2.12.1 Cloud Infrastructure SOA ESB Market Shares
  - 2.12.2 Microsoft Core ESB Functions Implemented In BizTalk
  - 2.12.3 SOA ESB Integration as a Cloud Infrastructure Service Market Shares



- 2.12.4 SOA ESB Integration as a Cloud Infrastructure Service Market Forecasts
- 2.13 Supply Chain Management as a Service Markets
  - 2.13.1 Supply Chain Management as a Service Market Shares
  - 2.13.2 Supply Chain Management as a Service Market Forecasts
  - 2.13.3 Supply Chain Management Distribution Network Design
  - 2.13.4 Supply Chain Distribution Strategy
  - 2.13.5 Supply Chain Partnering
  - 2.13.6 Supply Chain Management Information Technology
  - 2.13.7 Supply Chain Impact On Customer Value
- 2.14 Enterprise Resource Planning (ERP) as a Private Cloud Services
- 2.14.1 Private Cloud Enterprise Resource Management as a Service (ERP) Market Shares
  - 2.14.2 IBM SOA Suites Support Enterprise Use of ERP in Private Cloud
- 2.14.3 Enterprise Resource Planning (ERP) as a Cloud Service Market Shares,
- 2.14.4 Enterprise Resource Planning (ERP) as a Cloud Service Market Forecasts,
- 2.14 Business Process Management (BPM) as a Cloud Infrastructure Service,
- 2.14.5 Business Process Management (BPM) as a Cloud Infrastructure Service, Market Forecasts,
- 2.15 Large Scale Systems Integrators
- 2.16 Cloud Development Market Forecasts
  - 2.16.1 Adobe ColdFusion Cloud Development Pricing
- 2.17 Cloud SaaS Systems Development Markets
  - 2.17.1 IBM Rational for System z
  - 2.17.2 Cloud SaaS Development Systems Market Shares
  - 2.17.3 Adobe Creative Solutions
  - 2.17.4 Cloud SaaS Application Development Software
  - 2.17.5 ITP Panorama
  - 2.17.6 Cloud SaaS Development Systems Market Forecasts
  - 2.17.7 IBM Cloud Systems Development
- 2.18 Printing as a Cloud Service Market
  - 2.18.1 Cloud SaaS Printing Systems
  - 2.18.2 Cloud SaaS Printing Software
  - 2.18.3 Cloud SaaS Printing Software Market Forecasts
- 2.19 Public And Private Cloud Markets
  - 2.19.1 Private Cloud Computing
  - 2.19.2 Public Cloud Computing
  - 2.19.3 Cloud Computing Useful To Enterprise IT

#### **CLOUD COMPUTING VIRTUALIZATION PRODUCT DESCRIPTION**



#### 3. CLOUD INFRASTRUCTURE PRODUCT DESCRIPTION

- 3.1 Host Cloud System Infrastructure
  - 3.1.1 IBM Host Services Leverage Information As A Service
  - 3.1.2 AT&T Web Hosting
  - 3.1.3 Savvis
  - 3.1.4 Rackspace Cloud Computing & Cloud Hosting Servers
- 3.2 Web Hosting Applications as a Cloud Service Markets
  - 3.2.1 Microsoft Web Hosting Dynamics GP
  - 3.2.2 Symantec
- 3.3 Web Hosting as a Cloud
  - 3.3.1 Joyent
- 3.4 Communications Cloud
  - 3.4.1 Brocade
  - 3.4.2 Cisco
  - 3.4.3 Juniper
  - 3.4.4 Juniper Networks Cloud Data Center Infrastructure Solutions
  - 3.4.5 AT&T / EMC Communications Cloud Services
  - 3.4.6 eBay and EMC Scalable Cloud Storage Infrastructure
- 3.5 Infrastructure-as-a-Service (laaS)
- 3.6 Cloud Hosting and Co-Location
  - 3.6.1 Cloud Services From Microsoft New, Easier World Of IT
- 3.6.2 Cloud services from Microsoft Less Overhead for IT, A Seamless Experience For Users
  - 3.6.3 XCalibre
  - 3.6.4 Areti Internet
  - 3.6.5 CI Host
  - 3.6.6 RackSpace
  - 3.6.7 Tenzing Cloud Computing Services
- 3.7 Cloud Infrastructure Computer Equipment
  - 3.7.1 IBM System z For Internal Private and External Public Cloud Implementations
  - 3.7.2 Cloud Infrastructure Solutions From IBM
  - 3.7.3 IBM x Series and Blade Servers
  - 3.7.4 IBM System x Designed For Virtualization
  - 3.7.5 Hewlett-Packard Proliant Cloud Cluster Servers
  - 3.7.6 Cloud Infrastructure Solutions From Dell
  - 3.7.7 Dell Cloud Infrastructure
  - 3.7.8 Oracle / Sun



- 3.7.9 Fujitsu Cloud Computing
- 3.7.10 Cisco Cloud Server Hardware
- 3.8 Cloud Enterprise Collaboration Environments
  - 3.8.1 Cisco Collaboration Environments
- 3.9 Data Center Cloud Virtualization Fabric
  - 3.9.1 Brocade Data Center Cloud Virtualization Fabric
  - 3.9.2 Brocade End-To-End Server I/O Consolidation Solution
  - 3.9.3 Juniper Data Center Cloud Virtualization Fabric
- 3.10 Cloud Development Environments
  - 3.10.1 IBM Rational for System z
  - 3.10.2 Microsoft .NET
- 3.11 Cloud Social Networking
  - 3.11.1 Facebook
  - 3.11.2 Twitter
- 3.12 Storage as a Cloud
  - 3.12.1 EMC Atmos Cloud Storage Federated Services
  - 3.12.2 EMC Atmos
  - 3.12.3 EMC Cloud-Based Storage Management
  - 3.12.4 IBM Smart Business Storage Cloud
- 3.13 Enterprise IT Private Cloud Management Systems
  - 3.13.1 BMC Cloud Management
  - 3.13.2 BMC BSM platform Business Management Software
  - 3.13.3 CA Cloud Computing Systems Management
- 3.14 Cloud Services
  - 3.14.1 Dell Cloud Services
  - 3.14.2 Amazon EC2 Cloud Infrastructure Solutions Functionality
  - 3.14.3 Amazon Elastic Compute Cloud
  - 3.14.4 Amazon EC2 Service Highlights
  - 3.14.5 Amazon EC2 Service Level Agreement Commitment 99.95% Availability
  - 3.14.6 Amazon EC2Security
  - 3.14.7 Amazon EC2 On-Demand Instances
  - 3.14.8 Amazon Virtual Private Cloud -
  - 3.14.9 Instances suited for applications.
  - 3.14.10 High-Memory Instances
  - 3.14.11 Amazon Cloud Pricing
- 3.15 WebConferencing
  - 3.15.1 Cisco
  - 3.15.2 Adobe Web Conferencing Solution
  - 3.15.3 Managing Data in the Cloud



- 3.15.4 Liaison SaaS/Cloud-based Master Data Management
- 3.16 Edge Routers And Switches for Cloud Computing
  - 3.16.1 Network Support for Cloud Computing Virtualization
  - 3.16.2 Cisco
- 3.17 Virtualization Software
  - 3.17.1 EMC / VMWare
  - 3.17.2 Microsoft Hypervisor
  - 3.17.3 Citrix XenServer
  - 3.17.4 Brocade Supports Virtualized Environments

#### CLOUD COMPUTING VIRTUALIZATION TECHNOLOGY

#### 4. CLOUD TECHNOLOGY

- 4.1 Cloud Computing Information Access
- 4.2 Google Scale Mainstream Applications Gmail and Google Maps
- 4.2.1 Google.com—Search and Personalization
- 4.2.2 Google Scholar.
- 4.2.3 Google Server Implementation for Web 2.0
- 4.2.4 Google Replicates The Web pages
- 4.2.5 Google Map / Reduce Framework Runs In Parallel On 1,000 Machines
- 4.2.6 Google Global Work Queue
- 4.2.7 Communication, Collaboration and Communities
- 4.2.8 Google Spent \$200 Million On Hardware Equipment In 2004, \$1.4 Billion in 2007
- 4.2.9 Google Uses 1.8 Million Servers, Search Results, Images, Videos, Emails And Ads
  - 4.2.10 Google Dynamic Architecture Implementation
  - 4.2.11 Short Description of Google Search Engine Dynamic Architecture
  - 4.2.12 Google BigFiles
  - 4.2.13 Google Repository
- 4.3 eBay Infrastructure
  - 4.3.1 Sun Storage Helps Keep The Store Open
  - 4.3.2 eBay's Infrastructure Evolution
- 4.4 Microsoft .Net Defines Reusable Modules Dynamically
  - 4.4.1 Microsoft Data Center Size
- 4.4.2 Microsoft Combines Managed Modules into Assemblies
- 4.4.3 Microsoft Architecture Dynamic Modular Processing
- 4.5 IBM® WebSphere® Application Server Feature Pack for Web 2.0



# 4.5.1 IBM Web 2.0 Steps To Deploy Websphere Application Server Using Virtual Image Templates

- 4.5.2 IBM WebSphere Application Server Feature Pack
- 4.6 Facebook
- 4.7 MySpace
- 4.8 Reunion
- 4.9 Software Release Cycle
- 4.10 iTunes and TiVo
- 4.11 Data Center Servers
- 4.12 Polycom as a Single Global Entity Supporting Global Customers

#### **CLOUD COMPUTING VIRTUALIZATION COMPANY PROFILES**

#### 5. CLOUD COMPUTING COMPANY PROFILES

- 5.1 Akamai
- 5.2 Adobe Systems
  - 5.2.1 Adobe Targets Businesses And Organizations
  - 5.2.2 Adobe Revenue
  - 5.2.3 Adobe Systems Revenue:
  - 5.2.4 Adobe Systems Software Tools
  - 5.2.5 Adobe Systems Creative Solutions Business Summary
  - 5.2.6 Adobe Knowledge Worker Market Opportunity
  - 5.2.7 Adobe Systems Knowledge Worker Products
  - 5.2.8 Adobe Systems Enterprise Opportunity
  - 5.2.9 Adobe Systems Enterprise Business Summary
  - 5.2.10 Adobe Systems Enterprise Strategy
  - 5.2.11 Adobe Systems Process Management
  - 5.2.12 Adobe Systems Content Services
  - 5.2.13 Adobe Systems Knowledge Worker and Enterprise Related Products
- 5.3 Amazon
  - 5.3.1 Amazon Consumers
  - 5.3.2 Amazon Sellers
  - 5.3.3 Amazon Developers
  - 5.3.4 Amazon Net Sales
  - 5.3.5 Amazon Elastic Compute Cloud (Amazon EC2)
  - 5.3.6 Amazon Elastic Compute Cloud (Amazon EC2)
- 5.4 Areti Internet
- 5.5 AppScale



#### 5.5.1 AppScale 1.3

#### 5.6 Ariba

- 5.6.1 Ariba Spend Management
- 5.6.2 Ariba 2010 Revenue
- 5.6.3 Ariba Customers

#### 5.7 AT&T

- 5.7.1 AT&T Web Hosting
- 5.7.2 AT&T Web AdvantageSM
- 5.7.3 AT&T integrated Global Enterprise Management System (iGEMS),
- 5.8 Axios

#### 5.9 BMC

- 5.9.1 Business runs on IT. IT runs on BMC Software
- 5.9.2 BMC Revenue
- 5.9.3 BMC Industry Partnerships
- 5.9.4 BMC Partnering With Salesforce.com
- 5.9.5 BMC Customer Profile
- 5.9.6 BMC Software Revenue
- 5.9.7 BMC Strategy
- 5.9.8 BMC Atrium
- 5.9.9 BMC Compliance Positioning
- 5.9.10 BMC Solutions and Products
- 5.9.11 BMC Service Assurance
- 5.9.12 BMC Service Automation

#### 5.10 Brocade

- 5.10.1 Brocade Cloud Computing
- 5.10.2 Brocade APIs Allow Integration Of The Management Of Network Elements
- 5.10.3 IT Loads With More Applications Per Compute Node, Increase I/O

#### Requirements

- 5.10.4 Brocade Supports Virtualized Environments
- 5.10.5 Key Business Benefits Brocade Brings To The Market
- 5.11 CA / 3Tera
  - 5.11.1 CA Acquires 3Tera Cloud Computing Solution Provider
  - 5.11.2 CA Rapid, Simplified Cloud Enablement
  - 5.11.3 CA Integration with Virtual and Physical Management Technologies
  - 5.11.4 CA Revenue
- 5.12 Cassiopeia Internet / Constellate
- 5.13 CDC Software
  - 5.13.1 CDC Global Services
  - 5.13.2 CDC Online Games



- 5.13.3 CDC Internet Media
- 5.13.4 CDC Software Enterprise Software Solutions
- 5.13.5 CDC Revenue:
- 5.13.6 CDC SaaS Strategy
- 5.13.7 CDC Acquisitions
- 5.13.8 CDC Software's Mergers And Acquisitions
- 5.13.9 CDC Integrate
- 5.14 Cisco
  - 5.14.1 Cisco Revenue
- 5.15 Consona
- 5.16 CrownePeak
- 5.17 Dell
  - 5.17.1 Dell Gets IT Projects Up and Running Quickly
- 5.18 Descartes
  - 5.18.1 Descartes LogiMan&trade
  - 5.18.2 Descartes CargoAssist
- 5.19 EMC
  - 5.19.1 EMC Velocity<sup>2</sup> Atmos Partner Program
  - 5.19.2 EMC / VMware
  - 5.19.3 EMC Virtual Storage
  - 5.19.4 EMC Supports Information Technology (IT)
  - 5.19.5 EMC Revenue
  - 5.19.6 RSA Information Security
  - 5.19.7 EMC Consolidated Revenues By Geography:
  - 5.19.8 Information Storage Segment
  - 5.19.9 EMC Symmetrix Systems
  - 5.19.10 EMC CLARiiON Systems
  - 5.19.11 EMC Celerra IP Storage Systems
  - 5.19.12 EMC Centera Content Addressed Storage Systems
  - 5.19.13 EMC Connectrix Directors and Switches
  - 5.19.14 EMC Consumer and Small Business Products Division
  - 5.19.15 EMC / Decho Corporation
  - 5.19.16 EMC Content Management and Archiving Segment
  - 5.19.17 EMC RSA Information Security Segment
  - 5.19.18 EMC Global Services
  - 5.19.19 EMC VMware Virtual Infrastructure Segment
  - 5.19.20 EMC Distribution Channels
  - 5.19.21 EMC Technology Alliances
- 5.20 Enki



- 5.21 FedEx
  - 5.21.1 FedEx Revenue
- 5.22 FrontRange Solutions
- 5.23 Fortress ITX
- 5.24 Fujitsu
  - 5.24.1 Fujitsu OSS/NOS
  - 5.24.2 Fujitsu SOA
  - 5.24.3 Fujitsu CentraSite SOA Governance
- 5.25 Google
  - 5.25.1 Switch to Google Apps
  - 5.25.2 Google Apps for Messaging
  - 5.25.3 Google / YouTube
- 5.26 Hewlett Packard (HP)
  - 5.26.1 HP Cloud Assure Services
  - 5.26.2 HP Cloud Assure Types Of Cloud Service Environments Supported
  - 5.26.3 Hewlett-Packard Revenue
  - 5.26.4 HP Enterprise Storage and Servers Revenue
  - 5.26.5 HP Software Revenue
  - 5.26.6 Hewlett Packard (HP) Focuses On Simplifying Technology
  - 5.26.7 Hewlett Packard (HP) SOA
  - 5.26.8 Hewlett Packard (HP) SOA Solutions
  - 5.26.9 Hewlett Packard (HP) SOA Systinet Governance
  - 5.26.10 HP Products and Services Segments
  - 5.26.11 Hewlett-Packard Technology Solutions Group
  - 5.26.12 Hewlett-Packard Enterprise Storage and Servers
  - 5.26.13 Hewlett-Packard Industry Standard Servers
  - 5.26.14 Hewlett-Packard Business Critical Systems Hewlett Packard Halo

#### **Telepresence Customers**

- 5.26.15 HP and Marriott
- 5.26.16 HP and Tandberg
- 5.26.17 Hewlett Packard Computer Industry Market Participant
- 5.26.18 Hewlett Packard Global Provider Of Products
- 5.26.19 HP Products and Services: Segment Information
- 5.26.20 Hewlett Packard Technology Solutions Group
- 5.26.21 Hewlett Packard Enterprise Storage and Servers
- 5.26.22 HP and Tower Software
- 5.26.23 Hewlett Packard Tower Software TRIM Context
- 5.27 IBM
- 5.27.1 IBM WebSphere



- 5.27.2 IBM Business Partnering Strategy
- 5.27.3 IBM Strategic Priorities
- 5.27.4 IBM BPM Powered By Smart SOA
- 5.27.5 IBM Delivers Integration and Innovation to Clients
- 5.27.6 IBM Business Model
- 5.27.7 IBM Unified Communications In The Cloud Architecture
- 5.27.8 IBM LotusLive Cloud-Based Portfolio Of Social Networking And Collaboration

#### Services

- 5.27.9 IBM Revenue
- 5.27.10 IBM Q1 2009 Revenue
- 5.27.11 IBM Q2 2009 Revenue
- 5.27.12 IBM Software Capabilities
- 5.27.13 IBM Systems and Technology Capabilities
- 5.27.14 IBM Worldwide Organizations
- 5.27.15 IBM Integrated Supply Chain
- 5.27.16 IBM Security
- 5.28 Inteq
- 5.29 Joyent
- 5.29.1 Joyent Positioning
- 5.29.2 Joyent Customers
- 5.29.3 Joyent Layers Of The Cloud Stack laaS, PaaS, SaaS
- 5.30 Juniper
  - 5.30.1 Juniper Networks Delivers Security at Massive Scale for Cloud Services, Mega

#### **Data Centers**

- 5.31 Ketera
- 5.32 Layered Technologies
  - 5.32.1 Layered Tech Solutions / Burstorm Focuses On Helping Businesses
- 5.33 Microsoft Dynamics GP
  - 5.33.1 Microsoft Dynamics GP
  - 5.33.2 Microsoft Dynamics GP Financial Accounting And Business Management

#### Solution

- 5.33.3 Microsoft Corporation
- 5.33.4 Microsoft Azure Services Platform
- 5.33.5 Microsoft Windows Azure
- 5.33.6 Microsoft Live Services
- 5.33.7 Microsoft SQL Services
- 5.33.8 Microsoft .NET Services
- 5.33.9 Microsoft® SharePoint® Services & Dynamics® CRM Services
- 5.33.10 Microsoft Revenue Nine Months 2009



- 5.33.11 Microsoft Revenue
- 5.33.12 Microsoft Segment Revenue
- 5.33.13 Microsoft Segment Revenue2008
- 5.33.14 Microsoft Client Revenue
- 5.33.15 Microsoft Server and Tools Revenue
- 5.33.16 Microsoft Online Services Business Revenue
- 5.33.17 Microsoft Business Division Revenue
- 5.33.18 Microsoft Entertainment and Devices Division
- 5.33.19 Microsoft Competition
- 5.33.20 Microsoft Security Vulnerabilities
- 5.33.21 Microsoft Client Segment
- 5.33.22 Microsoft Segments
- 5.33.23 Open Text Livelink ECM Integration Microsoft Office SharePoint Server
- 5.33.24 Microsoft Multinational Computer Technology
- 5.33.25 Selected Microsoft Partners
- 5.33.26 Microsoft Financials 2008
- 5.33.27 Microsoft Software Products
- 5.34 NetSuite
  - 5.34.1 NetSuite Revenue
  - 5.34.2 NetSuite NetLedger
  - 5.34.3 NetSuite Strategy
  - 5.34.4 NetSuite Subscription Agreements
  - 5.34.5 NetSuite Geograaphic Revenue
  - 5.34.6 NetSuite Revenue
- 5.35 Novell Interoperable Linux Cloud Platforms
  - 5.35.1 Novell Positions to Address Intelligent Workload Management Market
- 5.36 Omniture
- 5.37 Oracle
  - 5.37.1 Oracle Revenues:
  - 5.37.2 Oracle / Stellent
- 5.38 Panda Security
- 5.39 Progress Software
- 5.40 Rackspace
- 5.41 RedHat
- 5.42 RightNow Technologies
  - 5.42.1 RightNow CX
  - 5.42.2 RightNow Technologies Revenue
- 5.43 Rightscale
- 5.43.1 RightScale Perspective On Cloud Usage



- 5.44 Sage Figures CRM into its Equation
  - 5.44.1 Interact SalesLogix
- 5.45 Salesforce.com
  - 5.45.1 Salesforce.com Fourth Quarter and Full Year Revenue
  - 5.45.2 salesforce.com Customers:
- 5.46 Savvis
  - 5.46.1 Savvis Cloud Services
  - 5.46.2 Savvis Managed Security Services
  - 5.46.3 Savvis Dedicated Hosting
  - 5.46.4 Savvis Strategy
  - 5.46.5 Savvis Revenue
- 5.47 Service-now.com
- 5.48 Software AG
  - 5.48.1 Software AG Wins Two 2007 Product of the Year Awards from SearchSOA.com
- 5.49 SugarCRM
- 5.50 SumTotal
- 5.51 Symantec
  - 5.51.1 Symantec Hosted Services Lower Costs And Simplify IT
  - 5.51.2 Symantec Strategy
  - 5.51.3 Symantec Strategy
  - 5.51.4 Symantec Has Seen A Continued Rise In The Volume Of Security Threats
  - 5.51.5 Symantec Storage
  - 5.51.6 Symantec fiscal 2009 Actions To Support Business:
  - 5.51.7 Symantec Storage and Server Management
  - 5.51.8 Symantec Solutions For Cloud Computing
- 5.52 Tenzing Cloud Computing Services
- 5.53 Tibco
  - 5.53.1 Tibco SOA
  - 5.53.2 Tibco Business optimization
  - 5.53.3 Tibco BPM
  - 5.53.4 Tibco Professional Services
  - 5.53.5 Tibco Competition
  - 5.53.6 Tibco Revenue
- 5.54 Verizon
  - 5.54.1 Verizon Business Strategy
  - 5.54.2 Verizon CDMA vs, GSM
  - 5.54.3 Verizon LTE Fourth Generation (4G) Wireless Broadband Network
- 5.54.4 nPhase, Which Verizon Owns Equally With Qualcomm Incorporated (Qualcomm).



- 5.54.5 Verizon Competition from Cable
- 5.54.6 Verizon Business Strategy
- 5.54.7 Verizon Technologies
- 5.55 Workday
- 5.55.1 Workday Customers
- 5.55.2 Workday Customers
- 5.56 Xerox
  - 5.56.1 Xerox Leader In Managed Print Services
  - 5.56.2 Xerox Digital Printing
  - 5.56.3 Xerox acquired Affiliated Computer Services, Inc. ACS
  - 5.56.4 Xerox Revenues
- 5.57 Yahoo
  - 5.57.1 Yahoo! Development Organization Contains a Cloud Computing group
  - 5.57.2 Yahoo Revenues



#### **List Of Tables**

#### LIST OF TABLES AND FIGURES

#### **CLOUD COMPUTING VIRTUALIZATION EXECUTIVE SUMMARY**

Table ES-1

Cloud Computing Infrastructure Market Driving Forces

Figure ES-2

Total Private and Public Cloud Market Forecasts Dollars,

Worldwide, 2010-2016

# CLOUD COMPUTING VIRTUALIZATION MARKET DESCRIPTION AND MARKET DYNAMICS

Figure 1-1 Cloud Computing Hole of the Internet

Table 1-2 Harnessing Collective Intelligence

Table 1-3 Web 2.0 Next Generation Applications Providers

Table 1-4 Web Social Networking Space Characteristics

Table 1-5 Web 2.0 Next Generation Applications

Table 1-6 Cloud Computing Next Generation Functions

Table 1-7 Mashup Market Opportunity

Table 1-8 Web 2.0 Internet Examples

Table 1-8 (Continued) Web 2.0 Internet Examples

Table 1-9 SaaS/ On-Demand Functions:

Figure 1-10 1-35 Cloud Computing Forces Changes In IT

Table 1-11 Cloud Computing Delivery Model Benefits

Figure 1-12 Cloud Services

# CLOUD COMPUTING VIRTUALIZATION MARKET SHARES AND MARKET FORECASTS

Table 2-1 Cloud Computing Infrastructure Market Driving Forces

Figure 2-2 Total Private and Public Cloud Market Forecasts Dollars, Worldwide, 2010-2016

Figure 2-3 Private and Public Cloud System Services and Infrastructure Segment Market Forecasts, Worldwide, Dollars, 2010-2016

Figure 2-4 Host Cloud System Infrastructure Market Shares, Dollars, Worldwide, 2009

Figure 2-5 Host Cloud System Infrastructure Market Shares, Dollars, Worldwide, 2009



Figure 2-6 Host Cloud System Infrastructure Market Forecasts, Dollars, Worldwide, 2010-2016

Figure 2-7 Host Cloud System Infrastructure Market Forecasts, Units, Worldwide, 2010-2016

Figure 2-8 Host Cloud System Infrastructure Market Forecasts, Dollars, Worldwide, 2010-2016

Figure 2-9 Web Hosting Applications as a Cloud Service Market Shares, Dollars, Worldwide, 2009

Table 2-10 Web Hosting Applications as a Cloud Service Market Shares, Dollars, Worldwide, 2009

Figure 2-11 Web Hosting Applications as a Cloud Service Market Forecasts, Worldwide, Dollars, 2010-2016

Figure 2-12 Web Hosting Applications as a Cloud Service Market Forecasts, Worldwide, Units, 2010-2016

Table 2-13 Web Hosting Applications as a Cloud Service Market Forecasts, Worldwide, Units and Dollars, 2010-2016

Figure 2-14 Communications as a Cloud Service Market Shares, Dollars, Worldwide, 2009

Figure 2-15 Communications as a Cloud Service Market Shares, Dollars, Worldwide, 2009

Figure 2-16 Communications as a Cloud Service Market Forecasts, Worldwide, Dollars, 2010-2016

Figure 2-17 Communications as a Cloud Service Market Forecasts, Worldwide, Units, 2010-2016

Figure 2-18 Communications as a Cloud Service Market Forecasts, Worldwide, Dollars, 2010-2016

Figure 2-19 Cloud System z and Server Hardware Service Infrastructure Market Shares, Dollars, 2009

Table 2-20 Cloud System z and Server Hardware Service Infrastructure Market Shares, Dollars, 2009

Table 2-21 HP Server Virtualization with VMware Positioning

Table 2-22 HP Server Virtualization VMWare Solution Functions

Figure 2-23 Cloud System z and Server Hardware Services Infrastructure, Market Forecasts, Dollars, Worldwide, 2010-2016

Figure 2-24 Cloud System z and Server Hardware Services Infrastructure, Market Forecasts, Units, Worldwide, 2010-2016

Table 2-25 Cloud System z and Server Hardware Services Infrastructure, Market Forecasts, Units, Worldwide, 2010-2016

Table 2-26 Cloud HPC Defense Uses



Table 2-27 High Performance Cloud Computing Modules and Target Markets

Table 2-28 High Performance Cloud Computing as a Service Market Shares, Dollars, Worldwide. 2009

Table 2-29 High Performance Cloud Computing as a Service Market Shares, Dollars, Worldwide, 2009

Table 2-30 High Performance Cloud Computing as a Service Market Forecasts, Worldwide, Dollars, 2009-2015

Table 2-31 High Performance Cloud Computing as a Service Market Forecasts, Worldwide, Units, 2009-2015

Table 2-32 High Performance Computing as a Service Market Forecasts, Worldwide, Units and Dollars, 2010-2015

Table 2-33 VMWare Benefits

Table 2-34 HP Cloud Assures Types Of Cloud Service Environments Supported Figure 2-35 Virtualization Software for a Cloud Service Market Shares, Dollars, Worldwide, 2009

Table 2-36 Virtualization Software for a Cloud Service Market Shares, Dollars, Worldwide, 2009

Table 2-37 Virtualization Software for a Cloud Service Market Forecasts, Worldwide, Dollars, 2010-2016

Table 2-38 Virtualization Software for a Cloud Service Market Forecasts, Worldwide, Dollars, 2010-2016

Table 2-39 Virtualization Software for a Cloud Service Market Forecasts, Worldwide, Units and Dollars, 2010-2016

Figure 2-40 Digital Content Creation as a Service Market Shares, Dollars, Worldwide, 2009

Table 2-41 Digital Content Creation as a Service Market Shares, Dollars, Worldwide, 2009

Figure 2-42 Digital Content Creation as a Service Market Forecasts, Worldwide, Dollars, 2010-2016

Figure 2-43 Digital Content Creation as a Service Market Forecasts, Worldwide, Units, 2010-2016

Figure 2-44 Digital Content Creation as a Service Market Forecasts, Worldwide, Units and Dollars, 2010-2016

Figure 2-45 Collaboration as a Service Market Shares, Dollars, Worldwide, 2009

Table 2-46 Collaboration as a Service Market Shares, Dollars, Worldwide, 2009

Figure 2-50 Social Networking as a Service Market Shares, Dollars, 2009

Table 2-51 Social Networking as a Service Market Shares, Dollars, Worldwide, 2009

Figure 2-52 Social Networking as a Cloud Infrastructure Service, Market Forecasts, Dollars, Worldwide, 2010-2016



Figure 2-53 Social Networking as a Cloud Infrastructure Service, Market Forecasts, Units, Worldwide, 2010-2016

Table 2-54 Social Networking as a Service Market Forecasts, Worldwide, Units and Dollars, 2010-2016

Table 2-55 Mid Range Business IT Service Desk Software as a Service (SaaS) Market Shares, Dollars, Worldwide, 2009

Table 2-56 IT Help Desk Software-Self Service Portal Functions

Table 2-56 (Continued) IT Help Desk Software-Self Service Portal Functions

Figure 2-57 Mid Range Business IT Service Desk Software as a Service (SaaS) Market Forecasts, Dollars, Worldwide, 2010-2016

Figure 2-58 Mid Range Business IT Service Desk Software as a Service (SaaS) Market Forecasts, Dollars, Worldwide, 2010-2016

Figure 2-59 SOA ESB Integration as a Cloud Infrastructure Service Market Shares, Dollars, Worldwide, 2009

Table 2-60 SOA ESB Integration as a Cloud Infrastructure Service Market Shares, Dollars, Worldwide, 2009

Figure 2-61 SOA ESB Integration As A Cloud Infrastructure Service Market Forecasts, Dollars, Worldwide, 2010-2016

Figure 2-62 SOA ESB Integration As A Cloud Infrastructure Service Market Forecasts, Units, Worldwide, 2010-2016

Table 2-63 SOA ESB Integration As A Cloud Infrastructure Service Market Forecasts, Dollars, Worldwide, 2010-2016

Table 2-64 Supply Chain Management as a Service Market Shares, Dollars, Worldwide, 2009

Table 2-65 Supply Chain Management as a Service Market Shares, Dollars, Worldwide, 2009

Table 2-66 Key Issues In Supply Chain Management

Table 2-67 Supply Chain Management as a Service Market Forecasts, Worldwide, Dollars, 2010-2016

Table 2-68 Supply Chain Management as a Service Market Forecasts, Worldwide, Units, 2010-2016

Table 2-69 Supply Chain Management as a Service Market Forecasts, Worldwide, Units and Dollars, 2010-2016

Figure 2-70 Enterprise Resource Planning (ERP) as a Cloud Service Market Shares, Dollars, Worldwide, 2009

Table 2-71 Enterprise Resource Planning (ERP) as a Cloud Service Market Shares, Dollars, Worldwide, 2009

Figure 2-72 Enterprise Resource Planning (ERP) as a Cloud Service Market Forecasts, Dollars, Worldwide, 2010-2016



Figure 2-73 Enterprise Resource Planning (ERP) as a Cloud Service Market Forecasts, Units, Worldwide, 2010-2016

Figure 2-74 Enterprise Resource Planning (ERP) as a Cloud Service Market Shares, Units and Dollars, Worldwide, 2009

Figure 2-75 Business Process Management (BPM) as a Cloud Infrastructure Service, Market Shares, Dollars, Worldwide, 2009

Table 2-76 Business Process Management (BPM) as a Cloud Infrastructure Service, Market Shares, Dollars, Worldwide, 2009

Figure 2-77 Business Process Management (BPM) as a Cloud Infrastructure Service, Market Forecasts, Dollars, Worldwide, 2010-2016

Figure 2-78 Business Process Management (BPM) as a Cloud Infrastructure Service, Market Forecasts, Units, Worldwide, 2010-2016

Table 2-79 Business Process Management (BPM) as a Cloud Infrastructure Service, Market Forecasts, Dollars, Worldwide, 2010-2016

Figure 2-80 Application Development Tools as a Service Market Shares, Dollars, Worldwide, 2009

Table 2-81 Application Development Tools as a Service Market Shares, Dollars, Worldwide, 2009

Figure 2-82 Application Development Tools as a Service Market Forecasts, Worldwide, Dollars, 2010-2016

Figure 2-83 Application Development Tools as a Service Market Forecasts, Worldwide, Units, 2010-2016

Table 2-84 Application Development Tools as a Service Market Forecasts, Worldwide, Units and Dollars, 2010-2016

Figure 2-85 IBM Building Cloud Systems Development

Table 2-86 Printing SaaS Functionality:

Figure 2-87 Printing as a Cloud Service Market Shares, Dollars, Worldwide, 2009

Table 2-88 Printing as a Cloud Service Market Shares, Dollars, Worldwide, 2009

Figure 2-89 Printing as a Cloud Managed Service Market Forecasts, Worldwide, Dollars, 2010-2016

Figure 2-90 Printing as a Cloud Managed Service Market Forecasts, Worldwide, Units, 2010-2016

Figure 2-91 Printing as a Cloud Managed Service Market Forecasts, Worldwide, Units, 2010-2016

Figure 2-92 Public and Private Cloud Infrastructure Market Segments, Dollars, Worldwide, 2009

Figure 2-93 Public and Private Cloud Infrastructure Market Segments, Dollars, Worldwide, 2016

Figure 2-94 Private Cloud Market Forecasts Dollars, Worldwide, 2010-2016



Figure 2-95 Public Cloud Market Forecasts Dollars, Worldwide, 2010-2016

Table 2-96 Competitive Factors In Cloud Computing Markets

Table 2-97 Competitive Forces In Cloud Computing Markets

#### **CLOUD COMPUTING VIRTUALIZATION PRODUCT DESCRIPTION**

Table 3-1 AT&T Shared Hosting Functions

Table 3-2 Symantec Cloud Strategy Solutions

Table 3-3 Juniper Networks Cloud Computing Infrastructure Functions

Table 3-4 Cloud Services From Microsoft

Table 3-5 XCalibre Hosting Services

Table 3-6 RackSpace Features

Table 3-7 Cloud Computing From Dell Benefits:

Table 3-8 IBM System z For Internal and External Cloud Implementations

Table 3-9 IBM System x Cloud Product Features

Table 3-9 (Continued) IBM System x Cloud Product Features

Figure 3-10 Hewlett-Packard Proliant Cloud Cluster Servers

Figure 3-11 Hewlett-Packard Proliant Cloud Cluster Server

Table 3-12 HP ExSO portfolio Key Cloud Advantages

Table 3-13 HP ProLiant Server Cluster Cloud Features

Table 3-14 Oracle / Sun Server Cloud Benefits:

Table 3-14 (Continued) Oracle / Sun Server Cloud Benefits:

Table 3-15 Cisco Unified Computing System Server Benefits

Table 3-16 Cisco Server Key Unified Computing System Modules

Table 3-16 (Continued) Cisco Server Key Unified Computing System Modules

Table 3-16 (Continued) Cisco Server Key Unified Computing System Modules

Table 3-16 (Continued) Cisco Server Key Unified Computing System Modules

Table 3-17 Cisco Server Unified Computing System Key Functions

Table 3-18 Cisco Quad Solutions Functions

Table 3-19 Cisco Quad Server Functions

Table 3-19 (Continued) Cisco Quad Server Functions

Table 3-20 Brocade Data Center Fabric Key Aspects Of Holistic Virtualization

Table 3-21 Microsoft .NET Framework Development Functions

Table 3-22 EMC Atmos Cloud Storage Federated Services

Table 3-23 Amazon EC2 Permits Selecting A Pre-Configured, Templated Image

Table 3-24 Benefits of Cloud-Based Services:

Table 3-25 VMWare Virtualization Benefits

Table 3-26 Microsoft Virtualization Hyper-V R2 Benefits

Table 3-27 Microsoft Virtualization Hyper-V R2 Business Solutions



#### Table 3-28 Citrix XenServer Features

#### CLOUD COMPUTING VIRTUALIZATION TECHNOLOGY

Table 4-1 Google Use of Ajax Technology

Table 4-2 WinterGreen Research Server Energy Costs for 14 Servers with 3 Processors

Figure 4-3 Google Dynamic Architecture see pp ff. Source: Sergey Brin and Lawrence

Page

Figure 4-4 Repository Data Structure

Figure 4-5 Architecture. EBay see p ff. Source: E-Bay

Table 4-6 Microsoft .Net Defines Reusable Modules

Figure 4-7 MegaData Center Capital Expenditures

Figure 4-8 Microsoft .NET assemblies:

Figure 4-9 Microsoft Architecture Dynamic Modular Processing

Figure 4-10 Steps To Deploy IBM WebSphere Application Server Using A Virtual Image

Template

Figure 4-11 WebSphere Application Server Network Deployment Installation And

**Configuration Steps** 

Figure 4-12 IBM Web Architecture

Table 4-13 Facebook Description. 2007 to April 2008

Table 4-13 (Continued) Facebook Description. 2007 to April 2008

Table 4-13 (Continued) Facebook Description. 2007 to April 2008

Table 4-14 MySpace Metrics

Table 4-15 Reunion Metrics

#### **CLOUD COMPUTING VIRTUALIZATION COMPANY PROFILES**

Table 5-1 AppScale 1.3 Has Many Performance Aspects

Table 5-2 Ariba Spend Management Capabilities

Figure 5-3 Ariba Network

Table 5-4 AT&T Shared Hosting Functions

Table 5-5 AT&T is Virtual Dedicated Server Functions

Table 5-6 AT&T Managed Dedicated Server Functions

Table 5-7 BMC Software Business Service Management

Table 5-8 BMC IT Cloud Positioning

Table 5-9 BMC Industry Partnerships

Table 5-10 BMC Customer Profile

Figure 5-11 CrownPeak Partners

Table 5-12 Dell's Cloud Services Functions



Table 5-13 Dell's Cloud Services Positioning

Table 5-13 (Continued) Dell's Cloud Services Positioning

Table 5-14 Descartes Business Enablement Functions

Table 5-15 Descartes Global Logistics Network Principal Categorization Of Services

Table 5-16 ENKI Managed Cloud Computing Fully Managed Virtual Private Data

Centers Positioning

Table 5-17 ENKI Virtual Servers

Table 5-18 ENKI Highly Available CPanel For Hosting Providers

Table 5-19 Facebook Statistics

Table 5-20 Facebook User Statistics

Table 5-21 Facebook Platform Description

Table 5-21 (Continued) Facebook Platform Description

Table 5-22 FedEx Express Segments

Table 5-23 Fujitsu CentraSite SOA Product Suite Features

Table 5-24 Fujitsu CentraSite SOA Management Information

Table 5-25 Google Apps Functions

Table 5-26 HP Cloud Assure Functions

Table 5-27 HP Cloud Assures Types Of Cloud Service Environments Supported

Table 5-28 HP SaaS portfolio partner Positioning:

Table 5-29 Hewlett Packard Product and Services Positioning

Table 5-30 Hewlett Packard Global Positioning

Table 5-31 Hewlett Packard Tower Software Global, Vertical Markets

Table 5-32 Hewlett Packard Tower Software Global, Reducing Risk During Litigation

Table 5-33 Hewlett Packard Tower Software Microsoft Office® Documents

Table 5-34 Hewlett Packard Tower TRIM Context Features Overview

Figure 5-35 IBM SMB Partner Go to Market Approach

Table 5-36 IBM Strategic Priorities

Table 5-37 Joyent Cloud Virtual Servers

Table 5-38 Joyent Cloud Strategic Positioning

Table 5-38 (Continued) Joyent Cloud Strategic Positioning

Table 5-39 Joyent is doing this through three main product areas

Table 5-40 Juniper Junos® Software Platform Functions

Table 5-41 Juniper Platform Functions

Table 5-42 Linked In Network Functions

Figure 5-43 Lockheed Martin F35B In-Flight STOVL Operations

Figure 5-44 Lockheed Martin Linking Legacy Radio Waveforms Into AMF JTRS

Figure 5-45 Lockheed Martin C-139 J Cargo Plane

Figure 5-46 Lockheed Martin Next Generation Identification Systems

Figure 5-47 Lockheed Martin Linking Legacy Radio Waveforms to AMF JTRS



Table 5-48 Microsoft Dynamics GP Customer References

Table 5-48 (Continued) Microsoft Dynamics GP Customer References

Table 5-48 (Continued) Microsoft Dynamics GP Customer References

Table 5-48 (Continued) Microsoft Dynamics GP Customer References

Table 5-49 Functions in Microsoft Dynamics GP Source: Microsoft.

Table 5-50 Capabilities in Microsoft Dynamics GP:

Table 5-51 Microsoft Response to Security Vulnerabilities

Table 5-52 NetSuite Strategic Positioning

Table 5-53 Oracle / Stellent Enterprise Content Management (ECM) Software Solutions

Table 5-54 Rackspace Cloud Computing Positioning

Table 5-55 RightNow CX Cloud Platform ROI

Table 5-56 RightScale Cloud Computing

Table 5-56 (Continued) RightScale Cloud Computing

Table 5-57 RightScale Perspective on Factors Driving Customers To The Cloud

Table 5-58 RightScale Cloud Adoption Customer Reservations

Table 5-59 RightScale Version Of What Customers Are Looking For In A Cloud

Management Platform

Table 5-60 Salesforce.com Principal Competitors

Table 5-61 Salesforce.com Principal Competitive Factors in SaaS market

Table 5-62 Savvis Key Growth Strategies

Table 5-63 Savvis Key Growth Target Markets

Table 5-64 Symantec Cloud Strategy Solutions

Table 5-65 Symantec Solutions For Cloud Computing

Table 5-65 (Continued) Symantec Solutions For Cloud Computing

Table 5-66 Tenzing Cloud Computing Services Key features

Table 5-67 Tenzing Cloud Computing Services Key features

Table 5-68 Workday ERP SaaS Solutions

Table 5-69 Workday Software-as-a-Service (SaaS) Features

Table 5-70 Workday Complete Suite of Business Management Services

Table 5-70 (Continued) Workday Complete Suite of Business Management Services

Table 5-70 (Continued) Workday Complete Suite of Business Management Services

Table 5-70 (Continued) Workday Complete Suite of Business Management Services

Table 5-71 Xerox Acquired Affiliated Computer Services ACS Positioning

Figure 5-72 Xerox Revenues By Business Segment

Figure 5-73 Xerox Revenues By Geography

#### **COMPANIES PROFILED**

#### **Hewlett Packard**



**IBM** 

Google	
Adobe Systems	
Salesforce.com	
BMC	
EMC / VMWare	
Amazon	
Microsoft Dynamics GP	
Cisco	
Akamai	
Areti Internet	
AppScale	
Ariba	
Axios	
Cassiopeia Internet / Constellate	ķ
CDC Software	
Consona	
CrownePeak	
Dell	
Descartes	
Enki	
Facebook	
FedEx	
FrontRange Solutions	
Fortress ITX	
Fujitsu	
Inteq	
Joyent	
Juniper	
Brocade	
Panda Security	
NetSuite	
Software AG	
ATT	
Tibco	
Xerox	
CA / 3Tera	
RedHat	
Yahoo	



Ketera

Layered Technologies

Linked IN

Novell Interoperable Linux Cloud Platforms

Omniture

Oracle

**Progress Software** 

Rackspace

RightNow Technologies

Rightscale

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