

# Virtualization Outlook: 2009 Study

## Company Background

- 1) Which of the following best describes your company's industry? (Select one.)
  - a) Financial Services
  - b) Health Care
  - c) Manufacturing (Pharmaceuticals)
  - d) Manufacturing (all others)
  - e) Wholesale Trade
  - f) Retail
  - g) Information Services
  - h) Education
  - i) Professional, Scientific, and Technical Services
  - j) Accommodation and Food Services
  - k) Arts and Entertainment
  - l) Other: \_\_\_\_\_
  
- 2) Which of the following best describes your company's annual revenues? (Select one.)
  - a) < \$250 million
  - b) \$250 - \$500 million
  - c) \$500 - \$750 million
  - d) > \$750 million
  
- 3) To which of the following do your responses apply? (Select one.)
  - a) this site
  - b) your entire company

## Server Virtualization

- 4) How many physical servers do you have? (Enter quantity.)  
\_\_\_\_\_
  
- 5) How many physical servers do you expect to have in 12 months? (Enter quantity.)  
\_\_\_\_\_
  
- 6) How many of these physical servers are running some type of virtualization? (Enter quantity.)  
\_\_\_\_\_
  
- 7) How many of these physical servers do you expect to be running some type of virtualization in 12 months? (Enter quantity.)  
\_\_\_\_\_

- 8) How many virtual machines do you have? (Enter quantity for each of the following operating systems.)
- a) Windows servers \_\_\_\_\_
  - b) Windows desktops \_\_\_\_\_
  - c) Linux \_\_\_\_\_
  - d) Solaris \_\_\_\_\_
  - e) AIX \_\_\_\_\_
- 9) How many virtual machines do you expect to have in 12 months? (Enter quantity for each of the following operating systems.)
- a) Windows servers \_\_\_\_\_
  - b) Windows desktops \_\_\_\_\_
  - c) Linux \_\_\_\_\_
  - d) Solaris \_\_\_\_\_
  - e) AIX \_\_\_\_\_
- 10) Have you added more server instances since you began virtualizing than you would have if you still used only physical servers? (Select one.)
- a) Yes
  - b) No
- 11) Why do you virtualize your servers? (Select all that apply.)
- a) Reduced server costs
  - b) Power savings
  - c) Data center space reduction
  - d) Simplified DR
  - e) Simplified management
  - f) High availability
  - g) Other: \_\_\_\_\_
- 12) What server virtualization technology are you using today? (Please do not include hardware virtualization such as Sun LDOMs and IBM LPARs. Select all that apply.)
- a) VMware ESX
  - b) VMware Workstation
  - c) Microsoft
  - d) Xen
  - e) Solaris Containers
  - f) Oracle VM
  - g) HP
  - h) RedHat LVM
  - i) None
- 13) If you are running VMware, what license arrangement do you have? (Select one.)
- a) Own licenses for each physical server
  - b) Own an enterprise License Agreement (ELA)
  - c) In the process of negotiating an ELA
- 14) What operating systems are you currently virtualizing? (Select all that apply.)
- a) Windows servers
  - b) Windows desktops
  - c) Solaris
  - d) Linux
  - e) AIX

- 15) What operating systems do you plan to start virtualizing in the next 12 months? (Select all that apply.)
- a) Windows servers
  - b) Windows desktops
  - c) Solaris
  - d) Linux
  - e) AIX
- 16) Which of the following areas are currently leveraging server virtualization? (Select all that apply.)
- a) Development
  - b) Test
  - c) QA
  - d) Preproduction
  - e) Production
  - f) Desktops
  - g) Disaster recovery
  - h) Lab
  - i) Other: \_\_\_\_\_
- 17) Which of the following areas will be leveraging server virtualization within the next 12 months? (Select all that apply.)
- a) Development
  - b) Test
  - c) QA
  - d) Preproduction
  - e) Production
  - f) Desktops
  - g) Disaster recovery
  - h) Lab
  - i) Other: \_\_\_\_\_
- 18) Are there any applications you are not planning to virtualize? (Select all that apply.)
- a) Email
  - b) OLTP databases
  - c) Data warehouses
  - d) ERP
  - e) Desktops
  - f) Other: \_\_\_\_\_
- 19) Why are you not planning to virtualize these applications? (Enter reason.)
- \_\_\_\_\_
- 20) What are the biggest inhibitors to virtualizing more systems? (Select up to three.)
- a) Server cost
  - b) Storage cost
  - c) Virtualization software cost
  - d) Complexity
  - e) Staff expertise
  - f) Backups
  - g) Security
  - h) Application support
  - i) Regulatory compliance

- j) Change management
- k) Performance
- l) Other: \_\_\_\_\_

- 21) The analyst community does not know what to make of server virtualization with respect to server purchasing. As you virtualize your environment, which of the following purchasing options do you anticipate? (Select all that apply.)
- a) Buy fewer servers
  - b) Buy the same number of servers
  - c) Buy more servers
  - d) Buy smaller servers
  - e) Buy the same servers
  - f) Buy larger servers
  - g) Spend less on servers
  - h) Spend the same amount on servers
  - i) Spend more on servers
  - j) Spend less on storage
  - k) Spend the same amount on storage
  - l) Spend more on storage
  - m) Spend less on networking
  - n) Spend the same amount on networking
  - o) Spend more on networking

- 22) Do you use any tools to automate live virtual server migration between different physical servers? (VMotion for example. Select one.)
- a) Yes
  - b) No

- 23) What protocols are you using to host your virtual system images? (Select all that apply.)
- a) Fibre Channel
  - b) iSCSI
  - c) NFS
  - d) Local disk

- 24) What protocols do you expect to be using to host your virtual system images in 12 months? (Select all that apply.)
- a) Fibre Channel
  - b) iSCSI
  - c) NFS
  - d) Local disk

- 25) Do you use cloning to reduce the time to deploy new virtual machines? (Select one.)
- a) Yes
  - b) No

- 26) What is the biggest challenge in your server virtualization infrastructure? (Enter challenge.)
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## **Backups and DR**

- 27) What methodology are you using to backup your virtual machines? (Select all that apply.)
- a) VMware VCB

- b) ESX Ranger
- c) Home-grown scripts
- d) Backup agents in the virtual machines

28) What percentage of your virtual machines is replicated to DR? (Enter percentage.)

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29) Have the virtualization initiatives undertaken by your company met your expectations?

(Select one.)

- a) Did not meet expectations at all
- b) Barely met expectations
- c) Met expectations
- d) Exceeded expectations

30) Is there anything else important about server virtualization, backups and DR that we have not discussed? (Enter topic.)

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