Managing VMworld Copenhagen's VDI vCloud   Case Study

VMworld 2010
San Francisco (Aug 30-Sept 2)
Copenhagen (Oct 12-14)
www.vmworld.com

Overview

With success at VMworld San Francisco, VMware again turned to Xangati to help design and manage VMworld Copenhagen's VDI vCloud supporting all hands-on labs and the main stage presentations. With over 18,000 sessions successfully delivered in San Francisco – what's the big deal about supporting virtual desktops from across the pond?

Business Challenge: *VDI across the Pond*

Copenhagen's VDI vCloud exists in two data centers in the United States – one in Miami, FL (Terremark) and one in Ashburn, VA (Verizon). Each data center houses around 80 vSphere hosts on HP and Cisco UCS systems supporting one pod of 120 Wyse terminals via a WAN for 240 lab seats (desktops) in total.

Each lab session calls on the VDI vCloud to deploy multiple new ESXs with multiple VMs and all the data necessary to run the lab. When a lab is complete, VMware software will blow away the environment in preparation for the next lab. To ensure the lab sessions work flawlessly – VMware turned to Xangati for single pane of glass visibility into the virtual and physical VDI vCloud infrastructure performance.

Solution: Xangati

BEST OF vmworld 2010
FINALIST AWARD
VIRTUALIZATION MANAGEMENT

Xangati provides VMware the single pane of glass visibility into the VDI vCloud virtual and physical infrastructure. VMware used Xangati to design the vCloud and ensure it delivers the conference theme of "Actual Clouds" even across the pond. Xangati is being used to:

- Measure session bandwidth and ensure WAN, LAN capacity at all points
- Measure host and VM utilization and vMotion performance
- Measure NFS traffic and latency for each compute cluster
- Measure total PCoIP bandwidth, number of PCoIP sessions and specific PCoIP session bandwidth to validate superior performance
- Capture dozens of metrics to validate vCloud and View 4.5 performance
- Capture DVR recordings for visual performance documentation
- Validate metric consistency and accuracy across products

With Xangati's assistance during VMworld Copenhagen, lab users experienced no problems even when its 240 lab seats were all in use.

For more information visit www.xangati.com. Xangati is pronounced Zăn gah' tee.

CHALLENGE

- Prove a Cloud across the Pond can support thousands of attendees running any of 30 labs at the 2nd largest virtualization conference in the world

- Provide 240 simultaneous VDI lab sessions over a WAN crossing the Atlantic without performance problems

- Support main stage presentations and demonstrations

- Ensure 100% availability and a great lab experience

SOLUTION

- Xangati Infrastructure Performance Management

BUSINESS RESULTS

- Worked flawlessly at VMworld San Francisco and Copenhagen

VMworld Copenhagen Results

- 56,435 VMs deployed
- 5,948 successful lab sessions
- No issues impacted users

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