Accelerating Microsoft Server 2008 Cloud Transformation

Automated discovery and service mapping can reduce the need for manual correction

With an end-deadline of January 14, 2020, IT managers must address the transformation of their Windows Server 2008 and SQL 2008 infrastructure immediately. While many enterprises have turned to cloud computing to simplify their IT infrastructure, migrating on-premise applications to the cloud is anything but simple. EOL Microsoft components within an IT estate have repercussions reaching every corner of the data environment. Manual discovery and mapping of services and dependencies is not realistic or feasible for environments comprising 500 or more servers.

Facing Microsoft End-of-Life Challenges

There are two primary approaches to Microsoft end-of-life for 2008. One approach involves upgrading all Microsoft Server instances to supported versions. Legacy applications, however, may be incompatible with new OS versions—which may not be evident until the upgrade is complete. The other approach is accepting Microsoft's offer of free extended support for Server 2008 and SQL 2008 by migrating to Azure. One thing to consider is that applications do not operate in a vacuum; it is not just applications that require migration, but their entire footprint. Discovery must be informed by the realities of modern IT practices:

- Some applications are container-based; others depend on shared infrastructure
- Many data-rich applications' data flows traverse multiple software components
- Many applications have multiple integration points such as SMTP servers and external storage silos
- Cloud-based compute infrastructure demands vigilance to prevent over- or under-provisioning

Windows Server 2008

iquateqa-1525... iquate.net	⊕	18.3.117.141.18...	Microsoft Windows Server 2008 R2 Enterprise	6.1.7601	0	0
iquateqa3181... iquate.net	⊕	18.3.169.177.18...	Microsoft Windows Server 2008 R2 Standard	6.1.7601	0	0
iquateqa-1422... iquate.net	⊕	18.154.85.17.212...	Microsoft� Windows Server� 2008 Enterprise	6.0.6003	0	0
iquateqa1196... iquate.net	⊕	18.3.116.56.18.1...	Microsoft Windows Server 2008 R2 Enterprise	6.1.7601	0	0
iquateqa-1019... iquate.net	⊕	18.153.194.68.21...	Microsoft Windows Server 2008 R2 Enterprise	6.1.7601	0	0
iquateqa1882... iquate.net	⊕	18.3.169.166.18...	Microsoft Windows Server 2008 R2 Standard	6.1.7601	0	0
iquateqa4418... iquate.net	⊕	18.3.169.200.18...	Microsoft Windows Server 2008 R2 Enterprise	6.1.7601	0	0
iquateqa-1535... iquate.net	⊕	18.3.115.200.18...	Microsoft Windows Server 2008 R2 Enterprise	6.1.7601	0	0
iquateqa-4769... iquate.net	⊕	18.3.169.189.18...	Microsoft Windows Server 2008 R2 Enterprise	6.1.7601	0	0
iquateqa-1117... iquate.net	⊕	18.3.115.214.18...	Microsoft� Windows Server� 2008 Enterprise	6.0.6003	0	0
iquateqa-1117... iquate.net	⊕	18.3.115.215.18...	Microsoft� Windows Server� 2008 Enterprise	6.0.6003	0	0
iquateqa1050... iquate.net	⊕	18.3.115.135.18...	Microsoft Windows Server 2008 R2 Enterprise	6.1.7601	0	0

See your entire Windows Server 2008 components with CloudSphere

The CloudSphere Solution

Traditional infrastructure discovery is time-consuming and diverts IT personnel from focusing on value-added projects.

CloudSphere enables organizations to plan a service-first cloud migration assessment and strategy. CloudSphere is a SaaS-based agentless discovery and service mapping migration tool that gives you a complete picture of the hybrid IT estate from service level and application dependencies down to infrastructure and running software components.

It builds a service map of even the most complex of Hybrid IT architectures. IT Universe, CloudSphere's single-pane-of-glass interface, provides a unified view of services and dependencies. Services are represented as objects within the graphical interface, with larger objects representing more complex underlying structure. Lines represent interdependencies, such as shared infrastructure or software integration.

Within days, users have a 360-degree service-centric view of their business-service ecosystem to begin planning their migration strategy.

Communication Flow

See all communication flows between services and Microsoft components.

Planning your Microsoft Migration with CloudSphere

Cloud migration starts with a precise understanding of the IT landscape. CloudSphere gives you the data and insights needed to plan a service-first cloud migration strategy:

• A service-centric view of on-premises or current environment
• Accurate assessment of Windows Server 2008 & SQL 2008 footprints
• A snapshot analysis of all business services, infrastructure, and dependencies
• Application component inventory including version numbers
• Verification of OS, resource assignments and network configurations for all VMs
• Determination of cloud suitability of all discovered components prior to migration
• A complete view of all communicative relationships among involved elements
• Confirmation of resource usage and consumption data for resource allocation

Simplicity, Visibility, Granularity

CloudSphere conducts both top-down and bottom-up discovery, ensuring that application environments are migrated according to their business context, by:

• Grouping discovered components into service groups
• Identifying unknown components resulting from shadow IT, rogue, or third-party integrations
• Suggesting package and move groups based on dependencies, communication and configuration
• Inventory EOL components, to discover misprovisioning and lower software costs
• Integrating with custom and third-party cloud-costing tools

Use CloudSphere as your single source of truth for any migration. Quickly assess your hybrid IT to build a migration strategy to the cloud that aligns to your business objectives and workflows. Accelerate your MS 2008 Transformation with the turnkey discovery process of CloudSphere.ai today, and take the guesswork out of what to migrate.

CloudSphere