

Case Study

Server Migration from Windows Server 2008 to Windows Server 2019 using Swing Migration

The Customer:
XYZ Motors*

Industry:
Automobile

Location:
Melbourne, Australia



Overview

The company was running an on-premise Windows Server 2008 R2 as a VM under VMWare ESXi 5 hypervisor. Their existing server was performing active directory, File and Print Server functions using relevant server roles. Since Windows Server 2008R2 reached end of life, they wanted to upgrade to the latest Windows Server 2019 OS.

(*As we are white-labelled service providers, we cannot disclose the actual names or locations of our customers. Hence all customer names that we use in our case studies are hypothetical- unless they give us the permission to use their names)

Technical Challenges

There were two possible approaches to conduct this server migration: an in-place upgrade and Swing Migration. The in-place upgrade approach is more error prone since it requires a two-step upgrade to 2019 from 2008. The upgrade also requires to take application & driver incompatibles in consideration. Another one of the technical challenges that could have arisen was that the users could have faced an Internet or a DNS Resolution problem because of the transition of the Domain Controller.

Solution

A successful and seamless migration of all VM's from ESXI 5.0 to ESXI 7.0 was carried out. Also, existing 2008R2 VM was replaced by the latest Windows Server 2019 in a flawless manner. A successful migration of all server roles, features & applications also took place.

A temporary Windows Server 2019 Standard was brought to serve as an additional DC Server for an error-free migration from 2008R2 to 2019.

The following procedures were carried out to ensure the seamless transition:

Step:1 A V2VMigration from the old VMWare ESX host to the new ESXi 7.0 host

Step:2 Migration of all the FSMO roles from the Windows Server 2008R2 to the temporary Windows server 2019 standard

Step:3 Migration of all the FSMO role from temporary VM running windows server 2019 standard to a New VM running windows server 2019 Standard. Once all the files were migrated successfully, the old Windows Server and the temporary setup were gracefully decommissioned. A post-migration support was also provided for the next few days.

Technologies used



Accomplishment

The Swing Migration approach, coupled with proactive planning helped us mitigate risks seamlessly. The migration was carried out without hampering productivity of the staff leading to an enhance performance and reliability



About Infrassist

Empowering MSPs by leveraging technology and human talent to help them transform and scale their business. We act as a catalyst and provide next-generation services and processes with reliable, cost-effective, agile and scalable IT solutions. Assisting MSPs with solutions that are designed to meet the demands of today's always-connected, digital world.

India

B1 - 9th Floor, Westgate
Business Bay, SG Highway,
Makarba, Ahmedabad, Gujarat,
India- 380051

Australia

St. Kilda Road towers, Level 1,
1 Queens Road,
Melbourne,
VIC 3000, Australia

UK

Norton Park Ascot,
Berkshire
SL5 9BW London,
UK

✉ partners@infrassist.com



50+
Technology
Experts



75+
MSPs Served



2015
Year of Establishment



30000+
nodes



24x7x365
operations



27001:2013
Certified



3 Offices
India | Australia | UK