A renowned investment management firm implements application virtualization to enhance data security and compliance

Streamlines server-side application management and improves disaster readiness

About the Client

The client is a renowned US-based investment management firm with its primary focus being money management for individual and institutional investors. It offers a broad array of equity and fixed income strategies to its customers.

Goals

STREAMLINING APPLICATION MANAGEMENT THROUGH VIRTUALIZATION

As a finance company, the client is required to comply with stringent security and regulatory requirements. Maintaining complete data confidentiality and security was a critical imperative, especially in instances where employees accessed company data on their devices from insecure remote networks.

The client was therefore looking to implement application virtualization to streamline server side management of application resources. Given the client's large scale operations, the aim was to distribute nearly 250 applications over 3,000 users in a virtualized streaming mode, through local area or wide area networks. This would ensure that user devices have access to only the operating system while sensitive information would reside safely on the server.

Additionally, the client was also exploring a solution that would allow select user groups to continue their work in case of a disaster scenario.

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IMPLEMENTING LARGE-SCALE APPLICATION VIRTUALIZATION

With its extensive experience across geographies in design, deployment and management of multiple desktop virtualization environments, Microland was a natural choice for partnering with the client on this project. We are a premier VMware professional services partner in the cloud and virtualization space, supported by seasoned professionals with in-depth knowledge of all technology components of the VDI ecosystem.

Transformation

ADOPTING A FOUR-PRONGED APPROACH FOR SEAMLESS APPLICATION VIRTUALIZATION

Leveraging our industry expertise, we adopted a four-step approach for effective migration of the existing system to a virtualized application platform. The details of our approach are highlighted in Figure 1.
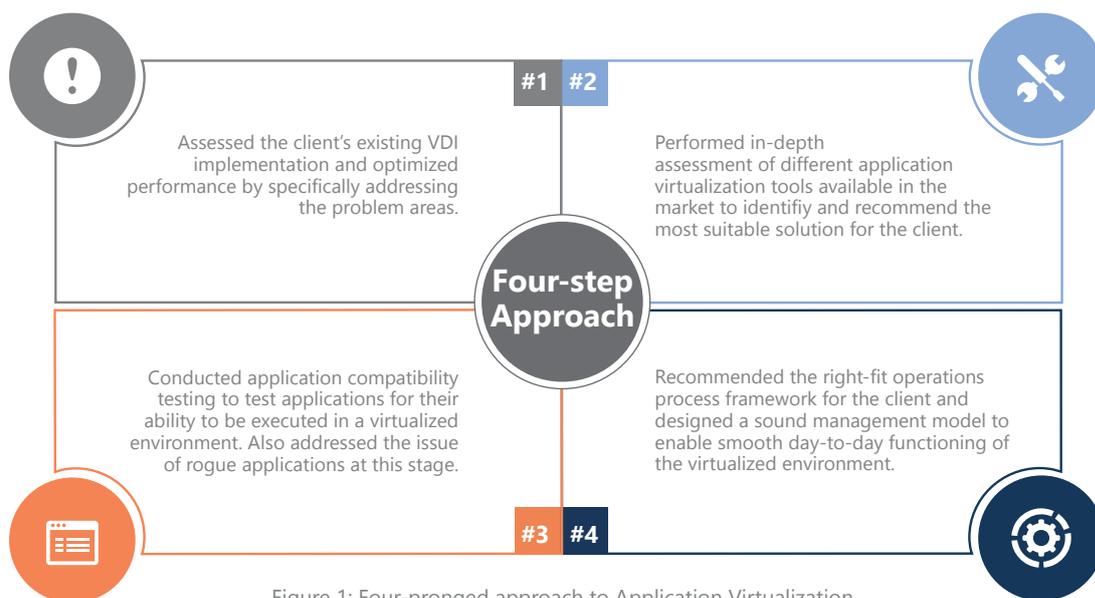
#1 Assessed the client's existing VDI implementation and optimized performance by specifically addressing the problem areas.

#2 Performed in-depth assessment of different application virtualization tools available in the market to identifiy and recommend the most suitable solution for the client.

Four-step Approach

#3 Conducted application compatibility testing to test applications for their ability to be executed in a virtualized environment. Also addressed the issue of rogue applications at this stage.

#4 Recommended the right-fit operations process framework for the client and designed a sound management model to enable smooth day-to-day functioning of the virtualized environment.

Figure 1: Four-pronged approach to Application Virtualization

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Outcomes

ENABLING EFFICIENT APPLICATION PERFORMANCE THROUGH VIRTUALIZATION

Microland's industry-proven approach catalyzed efficient migration and management of applications in the new virtualized environment, while ensuring data security and compliance. This helped the client achieve significant business benefits such as:

AGILITY

- **Improved application performance** in the virtualized environment and enabled high business agility, while ensuring data confidentiality
- **Enabled easy rollout and efficient provisioning** of applications to users, thereby facilitating easy server-side management of application resources and licenses

COST-EFFECTIVENESS

- **Delivered 44% savings in net cost** by leveraging the existing ThinApp Factory for application compatibility testing and batch mode packaging

PREDICTABILITY

- **Improved control over application data** for security and compliance
- **Enhanced disaster preparedness** by enabling select user groups to continue their work uninterrupted in case an unforeseen scenario arises

About Microland

Microland is a leading Hybrid IT Infrastructure Service Provider and a trusted partner to enterprises in their IT-as-a-Service journey. Incorporated in 1989 and headquartered in Bangalore, India, Microland has more than 3,200 professionals across its offices in Europe, Middle East, North America and India. Microland enables global enterprises to become more agile and innovative through a comprehensive portfolio of services that addresses hybrid IT transformation, workspace transformation, service transformation and end-to-end IT infrastructure management.

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