

WASHINGTON TRUST BANK GOES MOBILE



**84% Storage Use Reduction,
92% Storage Reduction with
Better Than PC performance**

Washington Trust Bank is the largest independently owned full-service commercial bank in the Northwest, serving the region since 1902. A wholly owned subsidiary of W.T.B. Financial Corporation, Washington Trust Bank has assets of nearly \$4 billion. Headquartered in Spokane, Washington Trust currently has 41 branches and offices in Washington, Idaho, and Oregon. The bank employs approximately 750 people.

WASHINGTON TRUST IMPROVES VDI PERFORMANCE AND REDUCES COST WITH ATLANTIS ILIO™

The cost of delivering PCs to Washington Trust employees continued to rise, while many of their employees were increasingly mobile and wanted to migrate from Windows XP to Windows 7. This put pressure on the IT department to revisit their desktop strategy. When Washington Trust decided to migrate to Windows 7, they chose to implement VDI using VMware Horizon View to take advantage of the user mobility and cost reductions they could achieve by replacing their old physical PCs with virtual desktops and thin client devices.

However, when Washington Trust began using their VDI environment, they ran into performance and user experience issues after they had deployed less than 20% of their Windows 7 virtual desktops. They identified that the problem was a result of the Windows 7 operating system generating too much storage IO traffic for their existing storage array. Instead of purchasing additional storage disks to satisfy their Windows 7 IO requirements, Washington Trust Bank chose the Atlantis ILIO software-only solution to optimize and accelerate the storage IO traffic and improve user experience. The Atlantis Computing™ solution solved their performance issues, while improving the bank's TCO for their VDI deployment with VMware Horizon View. The solution helped

BUSINESS DRIVERS

- Windows 7 Migration
- Reduce IT costs related to PC delivery
- Increase employee mobility and security
- Operational cost reductions

CHALLENGES

- Storage CAPEX
- End user experience
- Scalability

SOLUTION

- Atlantis ILIO

BENEFITS

- Better Than PC experience
- 84% Storage reduction
- 500% Increase in user density on SAN
- Improved storage response by 92%

Using Atlantis ILIO software, Washington Trust Bank was able to reduce their storage per virtual desktop by 84%, improved their storage throughput by 92% and enabled a better than PC experience for its users. Washington Trust Bank was able to support 500 virtual desktop users on their existing storage, translating to a 500% increase in storage density. Even at this increased number of users, the user experience was significantly faster than before, increasing storage performance by 875%. In the office, Washington Trust employees used Wyse Thin Clients and for mobile employees they allowed mobile thin clients, employee owned devices (BYOD) or company owned laptops, tablets or smartphones. VMware Horizon View enabled employees to move between branch offices or work at home with access to their same virtual desktop from any device.

ATLANTIS ILIO DEPLOYMENT AUTOMATION WITH VMWARE HORIZON VIEW

Washington Trust automated the installation, storage sizing, configuration and datastore creation using Atlantis ILIO Center with a seamless handover to VMware Horizon View Composer. Using Atlantis ILIO Center automation, Washington Trust is able to provision and operationalize multiple servers for hundreds of users on demand. Washington Trust Bank's VMware Horizon View deployment uses VMware High Availability (HA) with Atlantis ILIO to ensure the continuous availability of virtual desktops.



VIRTUALISED IT ENVIRONMENT

- Atlantis ILIO Diskless VDI
- Atlantis ILIO Center with Deployment Services
- VMware View 5
- VMware View Composer
- VMware ThinApp
- VMware HA and DRS
- EMC CX4 Storage
- Dell R710 Servers
- Wyse Thin Clients

“Our employees needed to have performance on par with a physical desktop. If adding more storage was the only solution, we were going to kill the VDI project... We had a sizable user base that experienced the pre-ILIO virtual desktop performance issues and once we migrated all the users to Atlantis ILIO, it was completely positive and the issues users were having evaporated.”

*Christopher Green
VP IT Infrastructure
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ATLANTIS™

The New Order of Storage Freedom