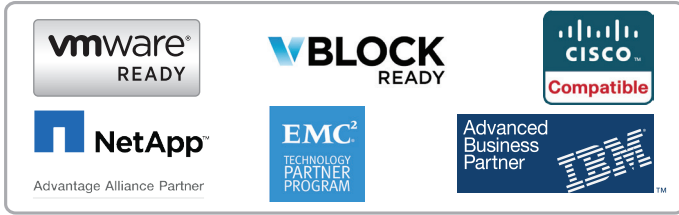


Award winning Atlantis ILIO™ software complements VMware Horizon View to cut storage costs, reduce deployment risks, and boost performance.



**Complements Key VMware Solutions:**  
vSphere, vCenter, VSAN, VAAI, Horizon View, View Storage Accelerator, View Composer, Persona Management, ThinApp, vMotion, DRS, High Availability (HA)

## Why Atlantis ILIO?

- Only solution to drive persistent and stateless desktop cost below PC—with better-than-PC performance.
- Only solution to leverage any server RAM configuration to deploy desktops with no physical storage—SAN, NAS, Fusion-io, SSDs or SSD array.
- Only vendor with a reference-able 100,000 seat VDI deployment with fully automated deployment/provisioning.

**Atlantis ILIO powering VMware Horizon View:**

- VDI with just server RAM—No SSD, No SAN or SSD array, stateless<\$200, persistent<\$300 with better than PC experience.
- Fully automated multi-rack deployment to deploy faster minimizing error and risks—push button automation.
- Automated storage sizing and no network bottlenecks.
- Desktop Performance—12 sec boot, near-instant application launch and desktop/email searches.
- Use any existing storage if already purchased to boost performance and scale—EMC, NetApp, Fusion-io, etc.
- Enterprise Ready with High Availability (HA) and Disaster Recovery options—supports vSphere features such as vMotion, DRS, HA, etc.

## Stateless VDI with NO Storage

Atlantis ILIO Diskless VDI™ is the only solution in the industry to enable desktop virtualization with absolutely no storage with desktop CAPEX below \$200. Virtual desktops run on server RAM with vSphere and Atlantis ILIO; Profiles redirected to SAN.

- NO storage OPEX: racks, power, cooling, repairs, maintenance, management, etc.
- Eliminate complex storage sizing, design, maintenance.
- Go Live in weeks with multi-rack automated deployment.

## Stateless VDI with Existing Storage

Atlantis ILIO complements deployed storage to boost performance and scale existing or new VDI projects.

- 4x–7x more users on existing storage.
- Up to 90% reduction in total disks and capacity required.

## Persistent VDI

Atlantis ILIO Persistent VDI™ delivers persistent virtual desktops that are faster than PCs at below \$300 CAPEX—desktops run with server RAM as primary storage and a small amount of SAN/NAS for backup and recovery.

- Unparalleled user experience—boot under 12 sec., near instant app launches, incredibly fast desktop/email searches.
- Faster deployments with automation and minimizing risks.
- Up to 95% less storage—Use any existing storage.
- CAPEX below PC cost with better-than-PC performance.
- Scalable with High Availability and Disaster Recovery.

## VMware Horizon View / Atlantis ILIO RA Test Summary\*

Desktops Per Server—Cisco UCS B230 M2	120-140 users
Windows 7 Boot Time	12 seconds
Average application response time	0.53 seconds
View Recompose time (per desktop)	45 seconds
Throughput - IOPS (per desktop)	227 IOPS
Linked-Clone Size (with Atlantis ILIO)	275 MB per desktop

\*Actual performance results may vary depending on servers, architectures, networks and storage used

	SAR/NAS Deployment	SSD/Fusion-io Deployment	Diskless VDI Deployment
Stateless VDI			
Desktop CAPEX Cost	\$1000-\$2000	\$300+	Sub-\$200
Works with existing infrastructure	X	X	√
High IO Performance	X	√	√
Simple to Design, Deploy and Manage	X	X	√
High user density & Inline-Deduplication	X	X	√

## Atlantis ILIO Complements View Storage Accelerator

### Atlantis ILIO Enhances Content Based Read Caching<sup>1</sup>

1,000 Desktop Sizing	View	View with CBRC	View with ILIO	View with CBRC & ILIO
Required IOPS	75,200	70,250	13,920	13,452
IOPS Offload %	0%	7%	81%	82%
Full Clone Capacity	45 TB	45 TB	2.3 TB	2.3 TB
Linked Clone Capacity	6.7 TB	6.7 TB	.07 TB	.07 TB
Capacity Reduction	0%	0%	90%	90%

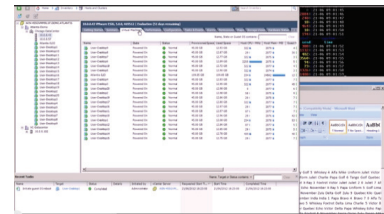
<sup>1</sup>[http://myvirtualcloud.net/?page\\_id=1076](http://myvirtualcloud.net/?page_id=1076)



Better-than-PC User Experience Demo  
[bit.ly/ILIOperformance](http://bit.ly/ILIOperformance)





Atlantis Computing at VMworld Barcelona 2013  
[bit.ly/vmw-interv](http://bit.ly/vmw-interv)



Atlantis ILIO recovers from a host failure:  
[bit.ly/ilioHA](http://bit.ly/ilioHA)

Atlantis ILIO Reference Architectures and Other Documents	Link
Horizon View 5.1 Diskless VDI RA with Cisco UCS <i>(by Glasshouse Technologies)</i>	<a href="http://bit.ly/viewdiskless">bit.ly/viewdiskless</a>
View 5.0 1,000 seat Reference Architecture <i>(tools by VMware)</i>	<a href="http://bit.ly/vmwareatlantistrend">bit.ly/vmwareatlantistrend</a>
Cisco Validated Design 2.7 with Cisco UCS, Horizon View & Atlantis ILIO Diskless VDI	<a href="http://bit.ly/ViewUCSDiskless">bit.ly/ViewUCSDiskless</a>
Colt Telecom 10K Reference Implementation document <i>(VCE Vblock, Horizon View)</i>	<a href="http://bit.ly/10kvmwarecisco">bit.ly/10kvmwarecisco</a>
VMware and Atlantis Computing <i>(A Joint Financial Services Solutions)</i>	<a href="http://bit.ly/vmwarefs">bit.ly/vmwarefs</a>
Northrim Bank "branch-in-a-box" <i>(VMware Horizon View, Cisco UCS, Atlantis ILIO)</i>	<a href="http://bit.ly/1auXDgY">bit.ly/1auXDgY</a>
Atlantis ILIO awarded "Best Storage Product of the Year 2012" <i>(Storage Magazine)</i>	<a href="http://bit.ly/BSPY12">bit.ly/BSPY12</a>



[bit.ly/diskless32](http://bit.ly/diskless32)

**Before Atlantis ILIO:** Challenged by cost and performance of storage at large scale.

**After Atlantis ILIO:** Dramatic reduction in desktop costs, simplified deployment, and enabled scalability with just servers and software.

*"Using Atlantis ILIO Diskless VDI simplifies our VMware View deployment, reduces operational complexity and delivers both a vastly improved user experience and a much lower cost per desktop."*

—Chris Hewertson, CIO, Colt Technology Services



[bit.ly/hmsavid](http://bit.ly/hmsavid)

**Before Atlantis ILIO:** Better-than-PC performance was costly with SAN/NAS. Couldn't achieve cost-effective density with only Fusion-io.

**After Atlantis ILIO:** Increased desktop density from 30 to 200 on Fusion-io drives, bringing down the cost per View desktop. AppSense provided user persona management.

*"Before Atlantis ILIO, we were able to fit 30 desktops per ioMemory device. With Atlantis ILIO, we can now get up to 200 virtual desktops."*

—Mark Choi, Infrastructure Engineer, HMSA



[bit.ly/WTBvid](http://bit.ly/WTBvid)

**Before Atlantis ILIO:** VDI rollout stalled at 90 users due to performance. Shared storage could not provide sufficient IOPS to desktops despite being sized for 500 users.

**After Atlantis ILIO:** 5X more users now run on existing EMC CX4 storage with ILIO. End-users are now happy with performance, and IT did not have to spend additional \$100,000 to purchase new hardware.

*"...After deploying ILIO, IOPS were reduced on the bank's SAN to 350 from about 3,500 IOPS recorded previously."*

—Christopher Green, VP IT Infrastructure Washington Trust Bank

[bit.ly/midcoastvid](http://bit.ly/midcoastvid)

**Before Atlantis ILIO:** Shared SAN storage sizing, storage installation, and performance requirements introduced deployment risks.

**After Atlantis ILIO:** Eliminated complex storage sizing and was able to deploy quickly. Achieved end-user performance that was better-than-PC without complex storage and network architectures.

*"The latest version of Atlantis ILIO is incredibly fast. We are able to deploy 70 linked clones per server in 12 minutes, and we can do that on all servers at the same time to scale to an unlimited number of users with no performance impact."*

—Mike Poulin, Manager, Mid Coast Hospital