



## Virtual Backup System – Product Detail

*Performance • Scalability  
Ease of Use • Cost Effectiveness*

Tier3 Technologies Virtual Backup System is purpose-built for VMware. Our solutions are unique because they leverage the power of virtualization to backup virtualization. Built on a Virtual Backup Appliance (VBA) Architecture, our Virtual Backup system doesn't require separate physical backup/proxy servers, additional software or agents like alternative solutions.

### Performance

**Multiple Data Streams** – The VBA uses multiple data streams to enable parallel processing of backups so backup jobs complete faster allowing you to meet your backup window.

**Simultaneous Backup and Restore** – The VBA can process backup and restore jobs concurrently allowing you to meet your RPO and RTO requirements without impacting your backup window.

**Built-in Source Side Deduplication** – Our technology deduplicates redundant backup data at the host enabling faster backups while reducing potential network bottlenecks.

**Virtual Full Backups** – Every backup is a “virtual full” backup regardless of whether it is a full initial backup or subsequent incremental backup. This enables faster processing of subsequent backups while providing quick single step restore.



### Scalability

Tier3's Virtual Backup deploys as a virtual appliance enabling seamlessly scalability for large and distributed deployments. Unlike other solutions that require a separate physical backup/proxy server, Virtual Backup efficiently scales without requiring additional servers, operating systems, software or agents providing:

**100% Virtualized Footprint** – Deploys as a virtual appliance directly onto the virtualization platform without requiring a separate physical backup / media server to be deployed outside the virtual environment.

**Seamless Scalability** – Multiple VBA's can be deployed to scale up or scale out seamlessly within the virtual infrastructure. Unlike alternatives, there is no need to deploy and manage multiple physical servers to scale.

**Distributed Processing** – Multiple VBA’s can easily be deployed to meet processing / performance needs for backup and recovery or enable fault tolerance.

## Ease of Use

Tier3’s Virtual Backup is simple because it deploys as a virtual appliance and is integrated into the hypervisor management console. Other solutions require the deployment and configuration of a separate server and operating system in addition to the vendor’s backup software. In addition, these solutions introduce a separate management console for backup and recovery that adds complexity. Virtual Backup provides superior ease of use through:

**Virtual Appliance Deployment** – Comprised of a completely integrated virtual backup appliance and a small management console plugin, our solution deploys quickly without the need to setup and configure a separate server, operating system and associated components.

**Integrated Management** – Tier3 Virtual Backup is integrated directly into the hypervisor management console providing a single pane of glass to manage virtual machine backup and recovery from VMware vSphere client or Citrix XenCenter.

**Simple Wizard Based Configuration** – Configuration of backup and restore is done through intuitive wizards with powerful “set it and forget it” scheduling capabilities to provide easy and scalable management.

**Flexible Recovery** – Multiple recovery options allow you to quickly restore full virtual machines or individual virtual disks while also enabling recovery of individual files or application objects directly from backup storage.

## Cost Effective

Tier3’s Virtual Backup provides higher ROI and lower TCO than alternative solutions because it provides optimized backup without requiring additional servers, software or hardware. With built-in source-side deduplication, Virtual Backup dramatically reduces backup storage requirements and optimizes network based backups. Virtual Backup provides a more cost effective solution through:

**Flexible Host Based Licensing** – Simply license each virtualization host. There is no complex pricing or increasing costs based on the number of sockets in your servers or the number of virtual machines you choose to deploy.

**No Backup Servers or Proxies** – Deployed as a virtual appliance, there is no additional cost to acquire and deploy one or more physical backup/proxy/media servers.

**No Additional Software or Hardware** – The integrated virtual appliance solution eliminates the need to acquire operating systems, agent software or additional hardware (such as a host bus adapter) required by other solutions.

**Built-in Source Side Deduplication** – Backup storage is dramatically reduced and optimized leveraging source-side deduplication which stores only unique data across all virtual machine backups. Our customers regularly achieve a 25:1 deduplication ratio, reducing on-going backup storage needs by 96%.



Call Tier3 Technologies today to find out more about our Virtual Backup Solution. Reduce backup and recovery time and costs by decreasing the complexity of your solution.

Be safe, be secure – call Tier3!