

## HARRP Continuous data protection and rapid disaster recovery

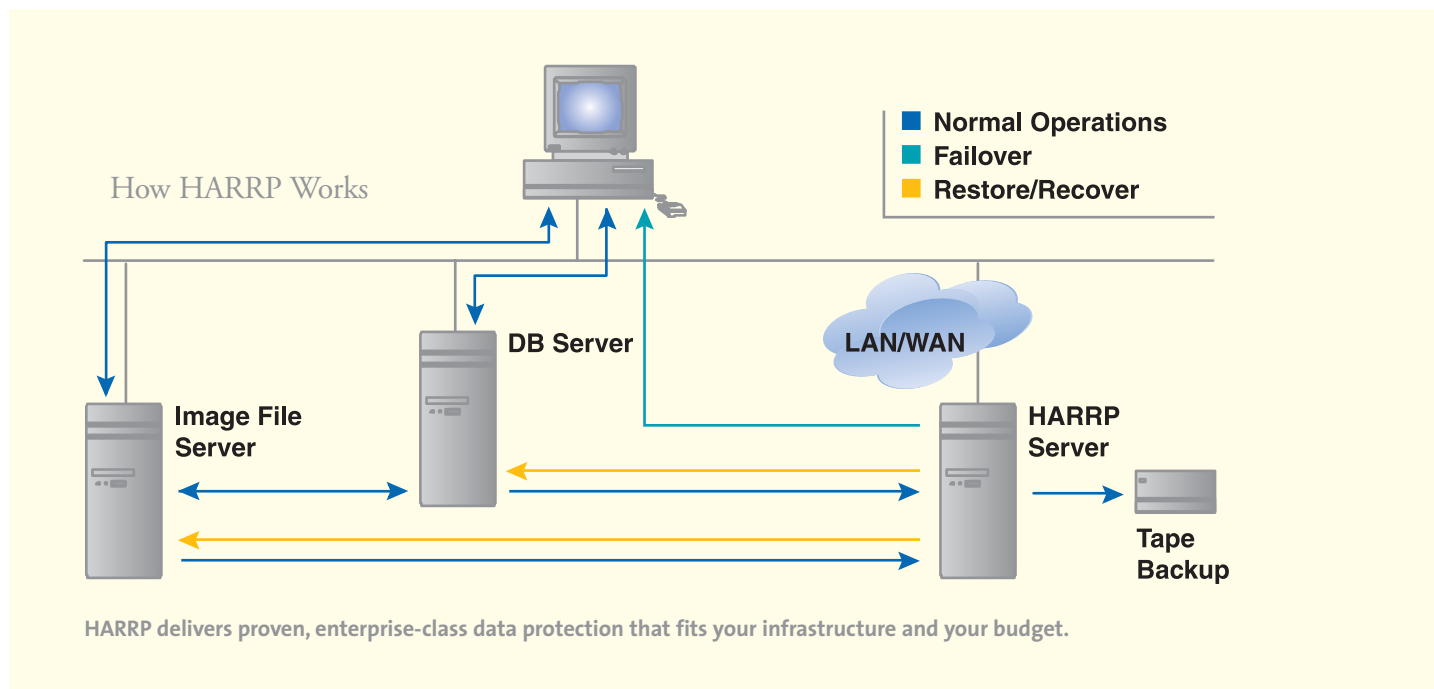
Your cancer center depends on clinical data to make informed decisions—and save lives. If a catastrophic system failure occurred, how much patient information would you lose? How quickly can you recover from a disaster? How long would your oncology staff and their patients be without access to mission critical applications and information?

Varian Medical Systems offers a solution with HARRP (High Availability Rapid Recovery Protection). HARRP provides continuous data protection—to ensure minimal data loss and immediate recovery from any disaster or system outage.

HARRP incorporates Double-Take Software's patented replication and failover technology to continuously and transparently capture byte-level changes in the Varian software system as they happen. Those changes are replicated to a disaster recovery (DR) server at any location—whether over the local area network (LAN) in your department, or across a wide area network (WAN) at a recovery site miles away. In the event of a disaster, HARRP lets your oncology staff resume access to their data within minutes rather than hours or days. HARRP provides all of this with minimal IT support.

### Quickly restore access to data and applications

Once you set the Varian software system to switch over to a second server in the event of a failure on the primary server, HARRP allows you to immediately reassign the applications to access data and images. Your staff will be up and running again in minutes, with minimal or no loss of data and productivity. Compare that to the hours or days required to rebuild a server from backup tapes.



### Replicate over any distance to any location

Unlike costly synchronous mirroring solutions that limit your geographic options or require specialized network connections, HARRP works over any distance using your existing IP networks. Set up your DR server as far away as you like to ensure maximum protection against outages or disasters onsite or near your clinical environment.

### Use standard network protocols

Replicate over any existing IP network, LAN, WAN, or VPN – so you can deploy it without additional infrastructure costs.

### Bandwidth limiting

Put a limit on the bandwidth HARRP uses, to minimize or eliminate the impact on application and network performance.

### Continuous, asynchronous, byte-level replication

HARRP monitors byte-level changes to all patient data and image files and replicates only the changes. By replicating only the bytes that change, HARRP uses the absolute minimum bandwidth required to back up your data. Powerful advanced features let you control bandwidth usage. Unlimited disk queuing allows you to queue replicated data changes to disk during heavy network usage times, and then transmit to the DR server when the network usage slows or during off-peak usage times.

### Integrate with existing backup solution

Use replicated data to perform remote backups and snapshots at any time without impacting your production server. Maintain optimal system performance on your primary server by using the HARRP server for daily tape backup.

### Easy to maintain with minimal IT intervention

Professionally installed by Varian's installations team, HARRP easily integrates into the existing Varian software products. Once configured, HARRP operates silently and transparently. If a catastrophe happens, you can easily switch over to the DR server while the IT resources concentrate on restoration of primary service.

### Certified Windows compatibility

HARRP is certified for Windows Server 2000 and Windows Server 2000 Advanced. HARRP is also certified for Windows 2003 Standard R-2 with Service Pack 2.\*

### Hardware

Depending on your site configuration, HARRP server hardware may vary. Details for HARRP server specifications can be found on the Varian website at: <http://www.varian.com/ARIA>

### Protect your existing investments

Varian partnered with Double-Take Software, one of the market leaders in data protection and recovery technology, to provide our software products with a high availability and disaster recovery solution. HARRP is server, storage and network independent. It works with the Varian software system today and will continue to work as you grow and add new technology to your system.

*\*Windows compatibility is dependent upon Varian software version. For detailed information, visit <http://www.varian.com/ARIA>*

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