

HP StoreOnce Recovery Manager Central



Welcome to converged data protection

HP StoreOnce Recovery Manager Central (RMC) software integrates HP 3PAR StoreServ primary storage with HP StoreOnce Backup systems to provide a converged availability and flat backup service that augments traditional backup processes.

Combining the performance of snapshots with the protection of backups, StoreOnce RMC enables fast, efficient, reliable, and simple protection for your business-critical applications.

More performance

Do you need to deliver on stringent recovery service-level agreements (SLAs) with no performance impact on your applications? StoreOnce RMC lets you eradicate the backup window and enable rapid recovery with fast, non-disruptive, application-consistent snapshots.

More efficiency

Are you looking to improve efficiency by reducing the cost and complexity of your backup infrastructure? StoreOnce RMC Express Protect allows you to backup snapshot data directly from HP 3PAR StoreServ to StoreOnce.

Less risk

Do you want to reduce your risk exposure by ensuring the recovery of your backup data? StoreOnce RMC offers reliable and cost-effective retention and recovery of deduplicated backups with HP StoreOnce, a fast, scalable and highly available backup system.

More agility

Would you like to enable hypervisor and application owners to control backup and recovery directly and seamlessly from their preferred native interfaces? StoreOnce RMC allows virtual machine (VM) admins to manage snapshots, backup, and recovery directly and seamlessly from within VMware® vCenter.

Key features and benefits

HP 3PAR StoreServ and HP StoreOnce Backup—better together!

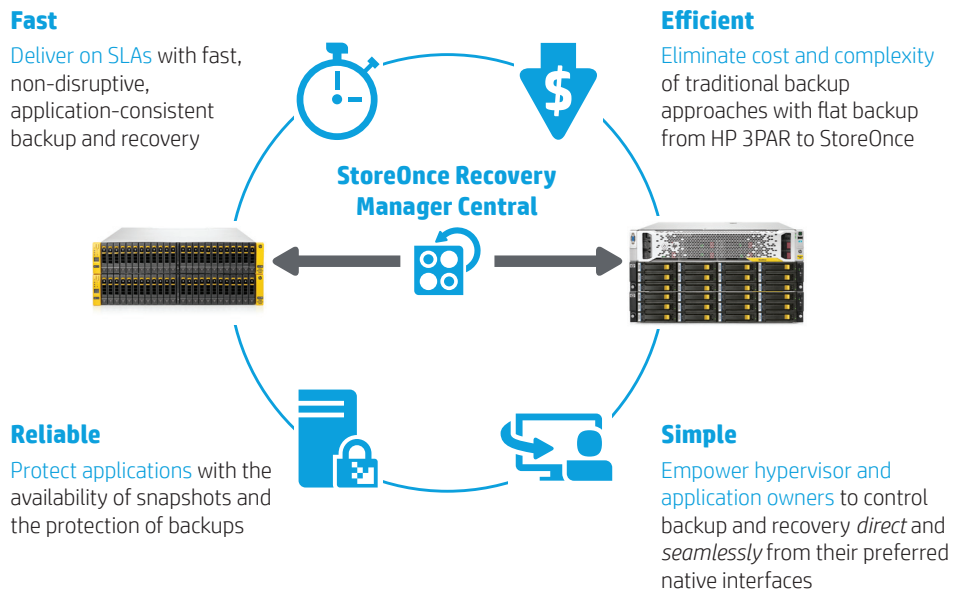
HP StoreOnce Recovery Manager Central leverages HP 3PAR StoreServ snapshot technology and HP StoreOnce Catalyst to provide a converged data protection system which seamlessly integrates a highly robust flash-optimized primary storage system and a very fast, scalable and highly resilient backup system.

RMC's Express Protect feature facilitates direct backup of HP 3PAR StoreServ snapshots to HP StoreOnce Backup system. This reduces the expense and complexity associated with traditional backup server-centric infrastructure.

StoreOnce RMC delivers fast, efficient, and reliable recovery from synthetic full backups. These are generated in-line using the prior set of objects and leverage HP 3PAR StoreServ SnapDiff technology, which sends only changed blocks to the StoreOnce Backup system.

Snapshots backed up on StoreOnce are self-contained volumes that can be restored back to the original or different HP 3PAR StoreServ array in the event of a disaster. This level of data protection cannot be achieved with snapshots alone. All backups are deduplicated using StoreOnce technology, thus reducing backup storage requirements by up to 20X on average.

Figure 1. HP StoreOnce Recovery Manager Central—Key business value



Fast, efficient, simple, and reliable recovery of virtual machines

StoreOnce RMC for VMware vSphere allows VMware administrators to create hundreds of non-disruptive, application-consistent virtual machine snapshots and initiate rapid online recovery directly from within the VMware vCenter Server virtualization management console.

Scalable, non-duplicative snapshots allow administrators a large number of backups for a frequently extended history of recovery points, offering flexibility when committing to tight recovery-point objective (RPO) SLAs.

StoreOnce RMC for VMware also delivers the choice to restore from snapshots or to mount the snapshot on the host directly and instantaneously, which allows administrators to deliver on aggressive recovery-time objective (RTO) SLAs.

The RMC for VMware scheduler feature provides automated snapshot creation on HP 3PAR StoreServ and automated snapshot backup direct to StoreOnce.

StoreOnce RMC for VMware vSphere can be used for a variety of scenarios including change management (protecting virtual machines before applying new patches) and creating snapshots for testing and development purposes.

Integrate snapshot management and backup with your own business applications

StoreOnce RMC enables application-consistent backups of leading business applications. It also provides a programmable interface via REST API SDK for plug-in scripting purposes. This enables partners and developers to integrate the snapshot management and backup benefits of StoreOnce Recovery Manager Central with their own business applications.

Supported environments

Primary storage	HP 3PAR StoreServ 7200, 7400, 7450, 10400, 10800 with HP 3PAR Operating System 3.1.2 MU3, 3.1.3, and 3.2.1
Backup system	HP StoreOnce Backup 6500, 6200, 4900, 4700, 4500, 4430, 4420, 4220, 4210, 2700, 2620, VSA with StoreOnce software version 3.11.2 and 3.12.0 StoreOnce G2 that has been upgraded to 3.11.2 or 3.12.0.
Applications	VMware

HP Services

HP Technology Services

Expert HP storage consultants and service professionals sit down with you and your team to map your storage needs. Not only can we help you accelerate implementation and reduce deployment risk, but we can also help you realize the full value of your storage purchases as you transform storage for the New Style of IT.

Advise, transform, and integrate

Navigate through the complexities of storage, backup, archive, disaster recovery, and Big Data with advisory, transformation, and integration consulting.

Deploy and implement

Access expertise to support deployment, operations, relocation, sanitization, and disposal, plus improvement-focused education.

Operate and support

Find the level of personalized, proactive, and simplified support right for your business.

Note: Specific service availability varies by product.

Foundation Care

System-level IT hardware and software support delivers flexible coverage window and response time for more choice and simplicity.

Proactive Care

Combined reactive and proactive services provide easy-to-purchase, cost-efficient system-level support coupled with personalized expert advice and products connected to HP to help prevent problems and reduce downtime.

HP Proactive Care Advanced builds and incorporates on Proactive Care and also gives customers personalized technical and operational advice from an assigned, local account support manager for personalized technical collaboration, flexible access to specialist skills to help optimize business-critical IT, and enhanced critical incident management to help so the business is not affected if there is a system or device outage.

Datacenter Care

Get the support you need to deploy, operate, and evolve your data center environment to be hybrid-cloud ready with single-point-of-accountability for HP and others' product. Get connected and get back to business—HP Storage Technology Services provide the path to get your HP Storage solutions and your business connected to HP. Once connected, our experts are able to scan your system and run health checks, then use that data to create personalized reports and recommendations for actions to take to prevent problems and downtime.

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