

# Protect your Microsoft Exchange platform

## HPE Recovery Manager Central for Microsoft Exchange

Enable fast, simple, and affordable end-to-end protection for Microsoft® Exchange

### The messaging data protection challenge

Email, voicemail, attachments, faxes, calendars, contacts, and more are the media through which business gets done. Your employees don't just rely on these tools for productivity but they expect them to be always available from anywhere and they expect to have the sensitive information that these tools contain be protected. And your job is to make it look easy. But this is no simple task.

Some of the more common data protection issues in Microsoft Exchange environments include:

- **Email volume is exploding:** Both email volume and mailbox size are growing exponentially, impacting your backup and recovery service-level agreements (SLAs). At the same time, you're under pressure to back up and recover larger quantities of messages without significantly increasing costs, adding staff, or extending backup windows.
- **Email is business critical:** Your Exchange administrator needs to be able to recover email from your backups quickly so that business communications don't come to a stop. And your Exchange infrastructure needs to be protected from disasters.

- **Exchange item-level recovery strains productivity:** In addition to being complex and cumbersome, single mailbox recovery and individual email retrieval can further stretch your already limited IT resources and drain your productivity.

Microsoft Exchange Database Availability Groups (DAGs) help protect Exchange databases by replicating multiple copies of the database. The DAG architecture helps minimize email user disruption during unplanned events such as database or server failures by activating database copies on other Exchange servers. But Microsoft Exchange DAG is not a replacement for backup and recovery.

Array-based snapshots are another data protection scheme for Microsoft Exchange Servers. **Snapshot management** enables administrators to make consistent point-in-time copies of large volumes of Exchange data without impacting the production server. By creating a copy of the pointers to the data on the storage array, snapshots minimize data movement, thereby greatly reducing the recovery point objectives (RPO) and recovery time objectives (RTO) to minutes. However, snapshots are best suited for short retention periods due to growing disk space consumption on primary storage. They have retention limitations, corruption vulnerabilities, and dependence on the underlying storage system. And, snapshots are at risk if the storage system fails.

A more effective approach is to combine the benefits of backups and snapshots in an application-managed, storage-integrated data protection solution. Hewlett Packard Enterprise offers storage snapshot-based backup solutions that provide fast, simple, and affordable end-to-end data protection for Microsoft Exchange.

### The HPE solution

HPE Recovery Manager Central (HPE RMC) for Microsoft Exchange integrates **HPE 3PAR StoreServ** primary storage with **HPE StoreOnce** Systems to provide a converged snapshot, replication, and backup solution for Exchange data volumes. It enables granular recovery of individual mailboxes or mailbox folders. Combining the performance of local and remote snapshots with the protection of backups, HPE RMC for Microsoft Exchange enables fast, efficient, reliable, and simple protection of Exchange data volumes on HPE 3PAR StoreServ or backups of the data volumes on HPE StoreOnce. Exchange administrators can create, schedule, and manage Exchange-consistent snapshots on an HPE 3PAR array. Additionally, the RMC Express Protect feature enables automatic backup of Exchange mailboxes from HPE 3PAR to HPE StoreOnce, independent of backup server software. The backups are self-contained volumes that can be restored back to the original or different HPE 3PAR StoreServ array in the event of a disaster.

## Solution brief

### Does this sound familiar?

- Are you struggling to back up a huge volume of email within shrinking backup windows?
- Do you often bring down email in order to restore data, resulting in loss of end-user productivity?
- Is it cumbersome and time-consuming to recover a specific item within Exchange?

### Can you tell?

- How many of your backup jobs fail?
- Which data do you back up for 30 days or for infinity and why?

### Assess your backups

Let Hewlett Packard Enterprise perform a simple, non-invasive assessment of your backup environment with **NinjaProtected Assessment Tool** to provide you with a detailed report including backup job success and failure rates, data retention time frames and more. Sign up for a free backup assessment from HPE.

## Offering the features and functions you need: HPE RMC for Microsoft Exchange data protection

**Fast backup and recovery:** Unlike traditional backup approaches, when Exchange crashes, **HPE RMC** backup and recovery speed for data volumes are much more efficient due to using multiple block-based streams. You can then quickly restore your data volumes and deliver on your aggressive RTO SLAs. Since only changed data blocks are sent to HPE StoreOnce, your mailbox backup is faster and more efficient.

**Reduced cost and complexity:** Data protection and **snapshot management** with HPE RMC is much simpler with direct backup from **HPE 3PAR** snapshots to **HPE StoreOnce**. Since the stored backups on HPE StoreOnce are deduplicated, backup storage costs are

contained and in fact, you can economically store data on HPE StoreOnce for extended periods.

**Lower risk of unplanned downtime:** With frequent recovery points, you can commit to tight RPOs and SLAs. If there is a failed hardware or a data center outage, backups of Exchange mailboxes and mailbox folders on HPE StoreOnce can be restored to the original or a different HPE 3PAR. As an added benefit, backups can also be copied to and recovered from one HPE StoreOnce to another in case of disasters.

**Application-managed data protection:** Exchange administrators can monitor and **manage snapshots**, backup, and recovery and can set up protection policies directly and seamlessly from within the RMC GUI or from within HPE 3PAR StoreServ Management Console.

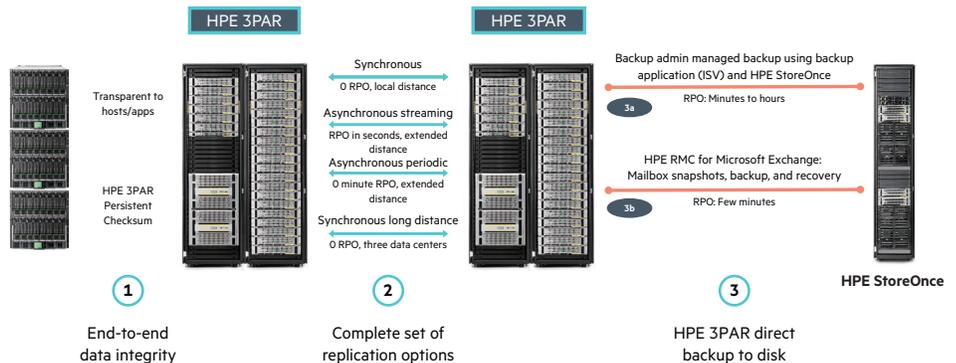


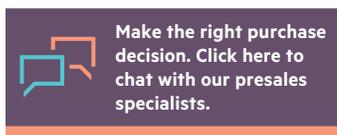
Figure 1: Outstanding flash-optimized data protection for Microsoft Exchange

## In summary

Organizations are balancing the demands of the application users versus their limited IT budgets and staff. HPE RMC enables infrastructures that can meet all of these demands cost-effectively and provide additional business, technology, and operational benefits. HPE RMC for Microsoft Exchange is an ideal solution for protecting Exchange mailboxes. It seamlessly integrates robust flash-optimized HPE 3PAR StoreServ

primary storage and the fast, scalable, and highly resilient HPE StoreOnce System and it delivers the end-to-end protection and business continuity that your Microsoft Exchange environment demands.

Learn more at  
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