

SOLUTION BRIEF

Data Protection for Oracle

Gain comprehensive data protection for Oracle technologies.

Pure Storage® solutions can help you effectively protect the data in your Oracle system against loss, breach, or availability interruption. Our portfolio of modern data-protection solutions, including Purity and Pure Cloud Block Store™, gives you flexibility and reliability—including online, nearline, and offline protection for all of your data.

Data Service Protection: Always Online, Never Lost

Your online Oracle data is not truly protected if it's not available all the time. Pure Storage [Purity software](#) and [NVME Express \(NVMe\) hardware](#) deliver best-in-class, 99.9999% availability for the FlashArray™ storage solution. Pure Storage keeps your data available through maintenance, failures, and generational upgrades. Your Oracle databases will always be available and will always perform by design. Simultaneously, Pure Storage RAID-HA provides flash-optimized data-loss protection to prevent the disappearance of data from entering the storage system.

Nearline Snapshot Protection

Nearline is an increasingly important data-storage tier that is warmer, closer to the server, and more readily available for rapid use than offline data backups. With nearline snapshot protection, online production database snapshots are used to [clone or refresh data](#) environments for development, testing and disaster recovery, and more.

Pure Storage Purity Protect snapshots give you the means to create space efficient snapshots of Oracle storage volumes representing a consistent image of the storage volumes in a precise point-in-time. Snapshots are typically created in a few seconds, even for large Oracle databases, and they don't impact your source storage volumes.

Plus, you can keep snapshots on the storage array where they were taken, or replicate them to other FlashArray instances, Pure Storage [FlashBlade®](#) products, third-party network file system mounts, or Pure hybrid-cloud services like Pure [Cloud Block Store™](#)



Safe and Secure

- Data is encrypted with AES-256 algorithm.
- Encryption is always on and performed as data enters the array.



ActiveCluster

- Synchronous replication for RPO near zero and automatic transparent failover.
- Use clustered arrays and hosts in multiple sites for synchronous replication between data center configurations.



Simplicity

- Management is simple and can be deployed with ethernet, or Fibre Channel.

and Purity CloudSnap™. Pure Storage ActiveCluster™ technology can cluster storage volumes between arrays with automatic synchronization. This enables Oracle database metro configurations, including Oracle Real Application Clusters (RAC), on extended distance.

Offline Backup Protection

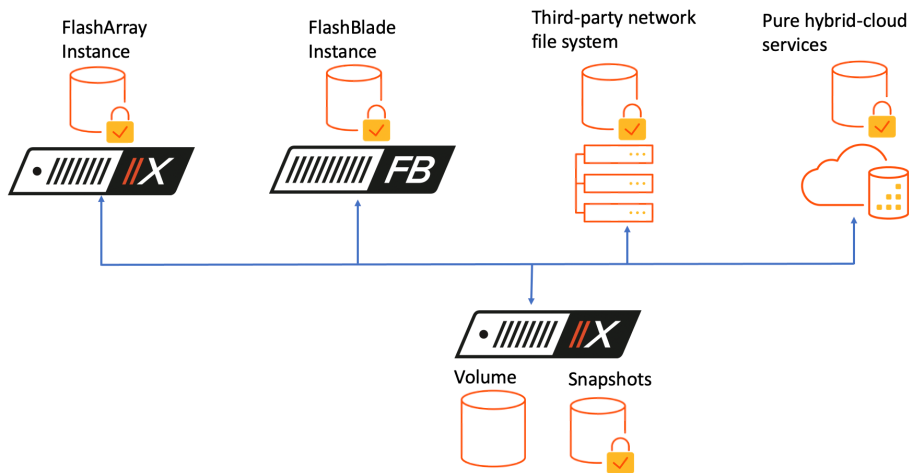


Figure 1. Replicate snapshots to a variety of destinations.

Offline data protection involves making copies of infrequently accessed data for long-term storage as backups or archives. With Oracle databases, backups are often performed with Oracle Recovery Manager (RMAN), which is significantly slower than snapshots but offers storage-vendor and database-server operating system portability. Pure Storage offers options that speed backup and restore times when using RMAN or other backup clients.

One option you can use is to use a FlashBlade rack as an RMAN target. Another option would be to rely on volume snapshots and make use of the public cloud using Pure Cloud Block Store block storage and Purity CloudSnap cloud backup software. This is a performant approach of snapshot performance paired with the economic benefits of the public cloud.

Safe Enough Isn't Good Enough

Your customers depend on you, so you depend on best-in-class data availability. Pure Storage's portfolio of modern data-protection solutions for Oracle can deliver online, nearline, and offline protection for all your data. However, all projects, including data protection ones, can be complex. Pure Storage Professional Services offer consulting, workshops, and services that can help you plan and execute these projects. Our Professional Services provide proven and cost-effective methods, processes, and tools.

Additional Resources

- Learn more about [Pure's professionals services](#).
- Discover all Pure Storage [Oracle solutions](#).

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