

SOLUTION BRIEF

PROTECT SAP HANA® WITH THE PURITY ACTIVECLUSTER™ SOLUTION

Gain the confidence of business continuity with Pure Storage® FlashArray™ solutions.

Your operations rely on your SAP HANA database. But how can you keep SAP® applications running when a disaster strikes the data center? With so much at stake, you need to ensure that your systems can handle these eventualities and minimize the risk of SAP HANA downtime.

It can be difficult to find a truly effective and affordable business-continuity solution for SAP HANA, however. To prevent data loss, the in-memory SAP HANA database requires a complete copy to remain available in persistent storage. But it's not enough just to keep this copy available through the failure of one storage rack. To help ensure business continuity, you also need a solution with the resilience to handle catastrophes that can knock out an entire data center—or region. What's more, if the high-availability solution you choose for SAP HANA is too complex or expensive to set up and maintain, these hurdles might keep you from ever truly achieving or sustaining business continuity.

Data Replication for Pure Storage FlashArray//X and //M Solutions

The Purity ActiveCluster solution from Pure Storage offers a simple, dependable, and affordable business-continuity solution for SAP platforms. It helps ensure that the SAP HANA database remains available through an outage by providing synchronous, active-active replication between two Pure FlashArray units located in different sites within a single, larger region (such as a metro area). The ActiveCluster pair uses synchronous replication to maintain a read/write copy of your SAP HANA data on both arrays, presenting data as a single, consistent copy to hosts connected to either or both arrays. When one array fails, the other takes over transparently.

Then, to protect against larger disasters that can cause widespread outages affecting an entire geographical region, Purity 5.2 and later versions offer the ability to extend an existing synchronous ActiveCluster relationship through asynchronous replication to a third site. This feature seamlessly replicates ActiveCluster volumes to a remote array located anywhere on the globe. This third array allows you to restore data in the event that both FlashArray units fail or experience data loss.

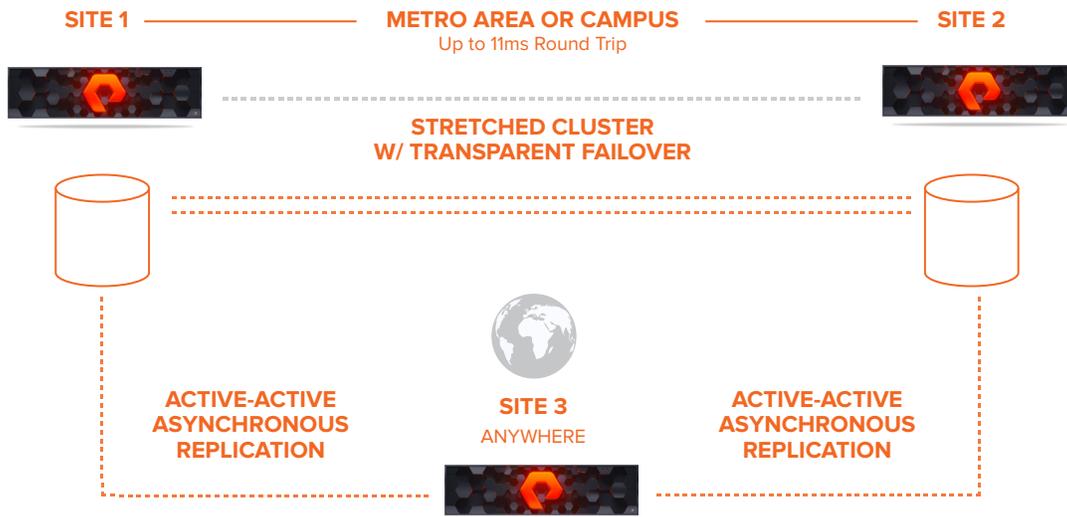


Figure 1. An ActiveCluster relationship provides synchronous replication between two FlashArray units and asynchronous replication to a third.

A Simple and Affordable Availability Solution for SAP HANA

In addition to being resilient, the Purity ActiveCluster feature is simple to set up and maintain. You can configure it in minutes, and managing an ActiveCluster pair is just as easy as managing a single array. You can perform snapshot and clone operations from either array, and with volumes and snapshots synchronously maintained on both arrays. Failovers are transparent, and the arrays automatically resynchronize without extra effort from storage administrators.

Beyond all of these advantages, the Purity ActiveCluster feature is available for no additional infrastructure or licensing costs with all Pure Storage FlashArray//M and FlashArray//X solutions.

Seamless Business Continuity, Built into FlashArray Storage

The Purity ActiveCluster solution is a built-in feature of FlashArray storage that helps keep SAP HANA and your business up and running. Choose to host SAP HANA on FlashArray products, and you can easily use the ActiveCluster solution to minimize the risks of downtime, at no extra cost.

For more information, read the "[FlashArray Protection for SAP HANA](#)" white paper.