SOFTWARE SPECIFICATIONS

To supply, install and configure the following: **Virtualization orchestration software** which will be deployed in drboth **Primary site and DR site**:

Configuration required:

License of Resiliency and Orchestration software to protect **10 Virtual Machine across both sites,** license for 1 year

Required product Description:

Product that offers a unified approach to IT service continuity for business-critical services running across heterogeneous physical and virtual environments. Which enables PACI to meet the availability requirements providing resiliency of cross-platform and multi-tier business services, with orchestrated, simplified workload migration across data centers and non-disruptive recovery testing.

Product that will help:

- Meet desired SLAs and help ensure critical applications and business services are up and running with simplified and orchestrated workload migration and recovery along with non-disruptive recovery testing
- Pro-actively control resiliency health of critical applications and multi-tier business services across your heterogeneous physical and virtual IT environment with a single solution for wide area disaster recovery
- Gain visibility and easy reporting into resiliency health of how critical applications and business services are meeting defined Service Level Agreements

Solution Overview

- Businesses want high performance at lower costs, which has resulted in multi-tier business services: spanning different operating systems and storage hardware over physical and virtual platforms.
- The product should help PACI maintain resiliency across global data centers with a unified approach for all critical business services.
- Help ensure IT service continuity with simplified migration of applications, virtual machines, business services or complete data center to a disaster recovery site.

Product should help PACI to:

- Reduce management complexities by giving a single, easy-to-use DR solution across heterogeneous environment.

- Be proactive in meeting RTOs and RPOs by enabling maximum uptime at the application layer, while integrating with data replication technology.
- Gain peace of mind that critical business services will failover and failback seamlessly when required with non-disruptive recovery testing
- Be proactive in proving compliance to internal or external auditors, with real-time reports of data center health and recovery assurance

For PACI business to remain competitive, the IT business continuity plan requires a resiliency strategy that scales easily as the business grows, works across the heterogeneous environment, is easy to implement and manage and most importantly, works when the call is taken.

The product should offer the ability to easily manage and control disaster recovery operations across all your data centers with peace of mind.

Product resiliency High Level Architecture

High level typical architecture for resiliency product which will help PACI.

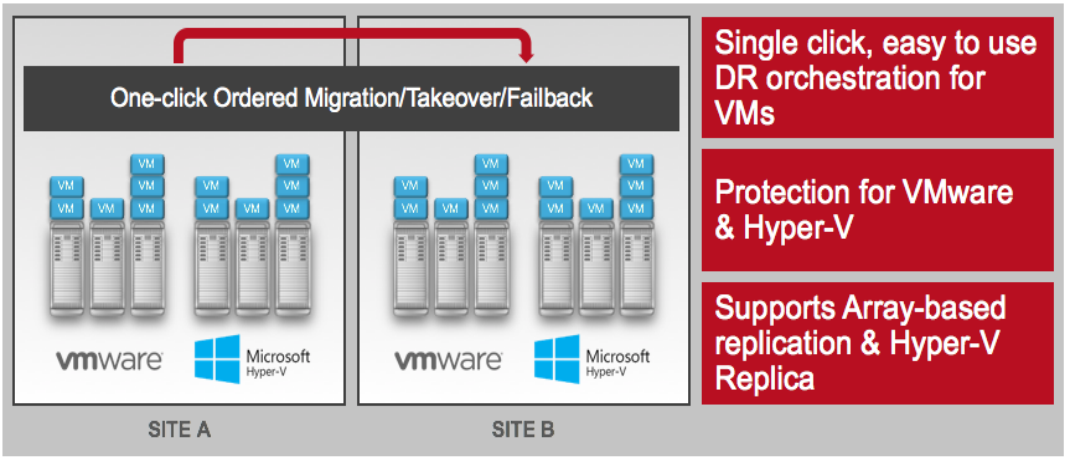
Key Features:

- Single dashboard for visibility into resiliency risks and real-time IT health across all data centers
- Easy migration (failover and failback) of thousands of applications and virtual machines between sites
- Simplified workload orchestration for complex multi-tier business services including start/stop ordering and recovery, locally and across sites
- Zero-downtime recovery rehearsals with easy clean-up
- SLA-based notifications and audit reporting for global IT business continuity health
- Gain proactive control of IT service continuity within entire organization

- Meet critical Service Level Agreements including Recovery Point Objectives and Recovery Time Objectives by ensuring application-level resiliency insight
- Ensure the business is always prepared for the unknown with recovery rehearsals
- Simplify training and management with one easy-to-use solution across physical, virtual and cloud
- Maintain existing investments with out-of-box support for leading data movers and high availability platforms
- Resiliency product to support several forms of replication for data recovery from production data center to recovery data center:
- Array-based replication (block-based replication) using supported arrays (EMC SDRF, EMC RecoverPoint, NetApp SnapMirror, Clustered DATA ONTAP, Hitachi TruCopy, Microsoft Hyper-V Replica, HPE 3PAR, IBM SVC & XIV)
- Hypervisor-based replication using Hyper-V Replica
- Product own replication option (separately licensable feature)

Automatic Domain Name System (DNS) Updates

When mission-critical applications migrate from a primary data center to a disaster recovery site, the network environment changes.

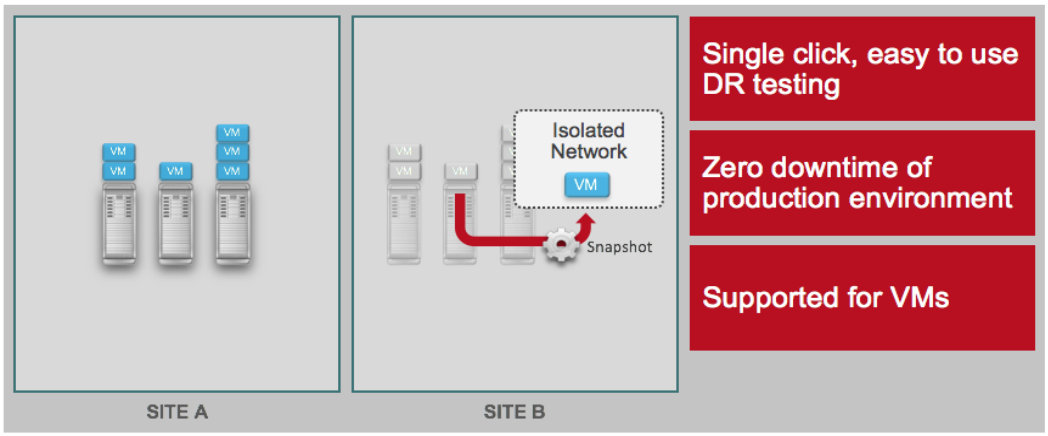


For example, the virtual IP address that directs users to applications at the failed primary site is not valid at the new disaster recovery site.
With traditional recovery methods, administrators would have to update the DNS manually before users could access the applications/databases again, slowing the recovery process.

With the Resiliency product, the DNS should be updated automatically to redirect users to the alternate site —completely transparently to the users. This capability helps:

- Single Speed availability of the downed systems.
- Ease administrative burden.
- Remove the chance for error.

Disaster Recovery Testing



Resiliency product should allow for disaster simulations so business continuity preparedness can be reliably tested using zero-downtime recovery rehearsals.

Without complicated, manual cleanups, Audit reports can be automatically generated to keep stakeholders informed.

The product with offer zero-downtime recovery rehearsals, so that resource-intensive weekend drills are not needed any more.