VMware Site Recovery Manager with EMC RecoverPoint

GLOBAL
DEMO
SOLUTIONS

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Site Recovery Manager Core Capabilities
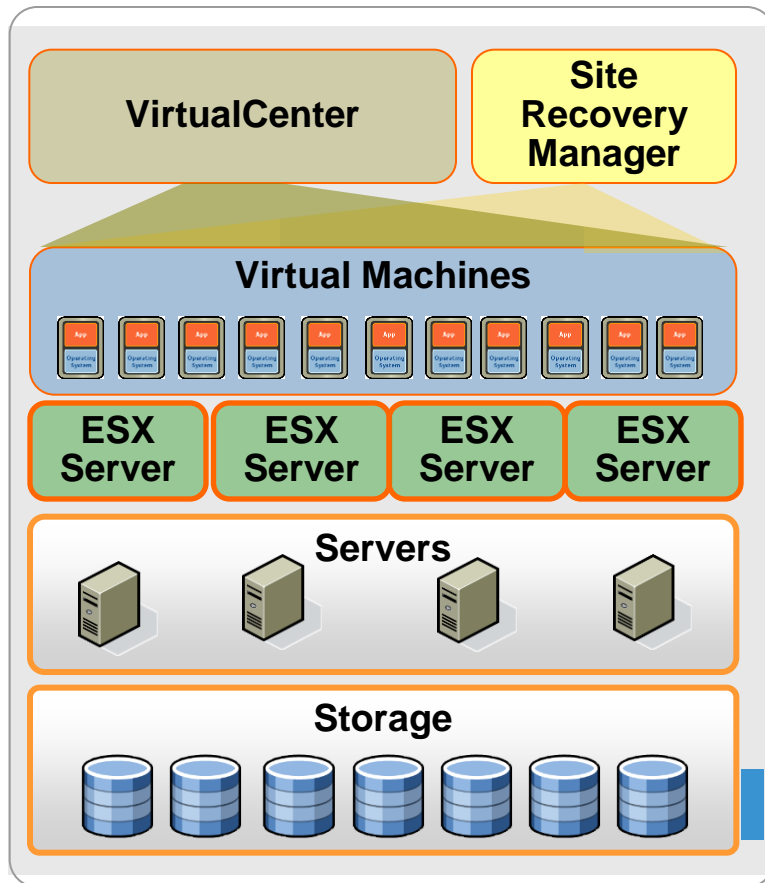
Centralized management for DR

- Create, test, update and execute recovery plans from a single point of management
- Seamless integration with VirtualCenter

Disaster recovery automation

- Build recovery process in advance
- Automate testing of recovery plans
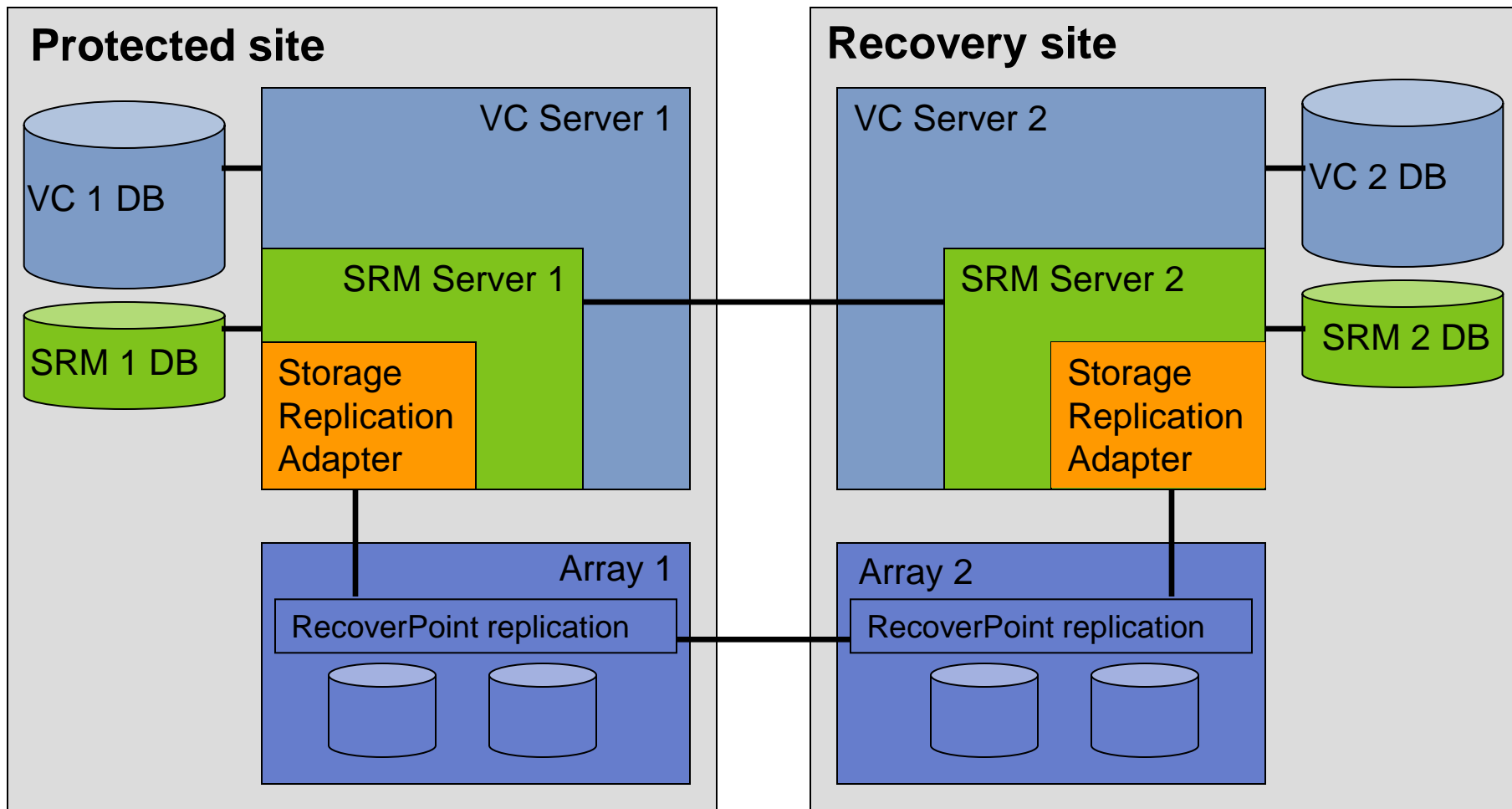- Automate execution of recovery process

Simplified setup and integration

- Allocate and manage recovery resources
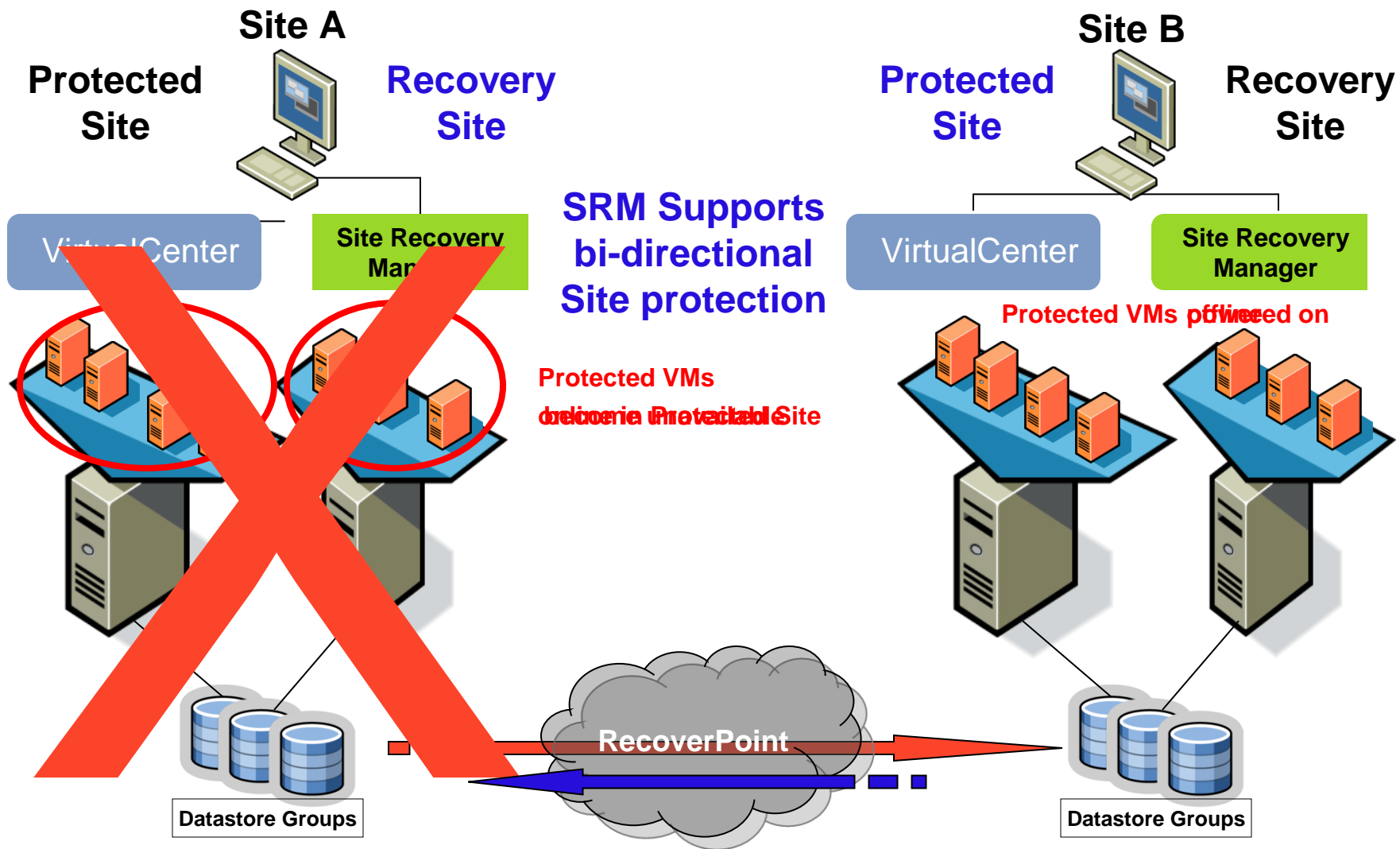- Easy integration with leading vendors' storage replication systems

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Key Components

Site Recovery Manager at a glance

Site A

Protected Site **Recovery Site**

VirtualCenter **Site Recovery Manager**

SRM Supports bi-directional Site protection

Protected VMs become unavailable on Protected Site

Site B

Protected Site **Recovery Site**

VirtualCenter **Site Recovery Manager**

Protected VMs powered on offline

RecoverPoint

Datastore Groups **Datastore Groups**

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Virtual Machine (VM) Failover **Before** VMware Site Recovery Manager

Manual Administrator Tasks

11. Recover local VM

7. Scan for new disk
8. Register VM
9. Power-up VM

3. Shut down the virtual machine

4. Pause replicated image (journal captures)
5. Select most recent snapshot
6. Allow image access to remote VMware ESX

ESX Server

ESX Server (disaster recovery)

SAN   RecoverPoint   WAN   RecoverPoint   SAN

10. Failback

1. VM mapped to LUNs and consistency groups

2. Replicate LUNs
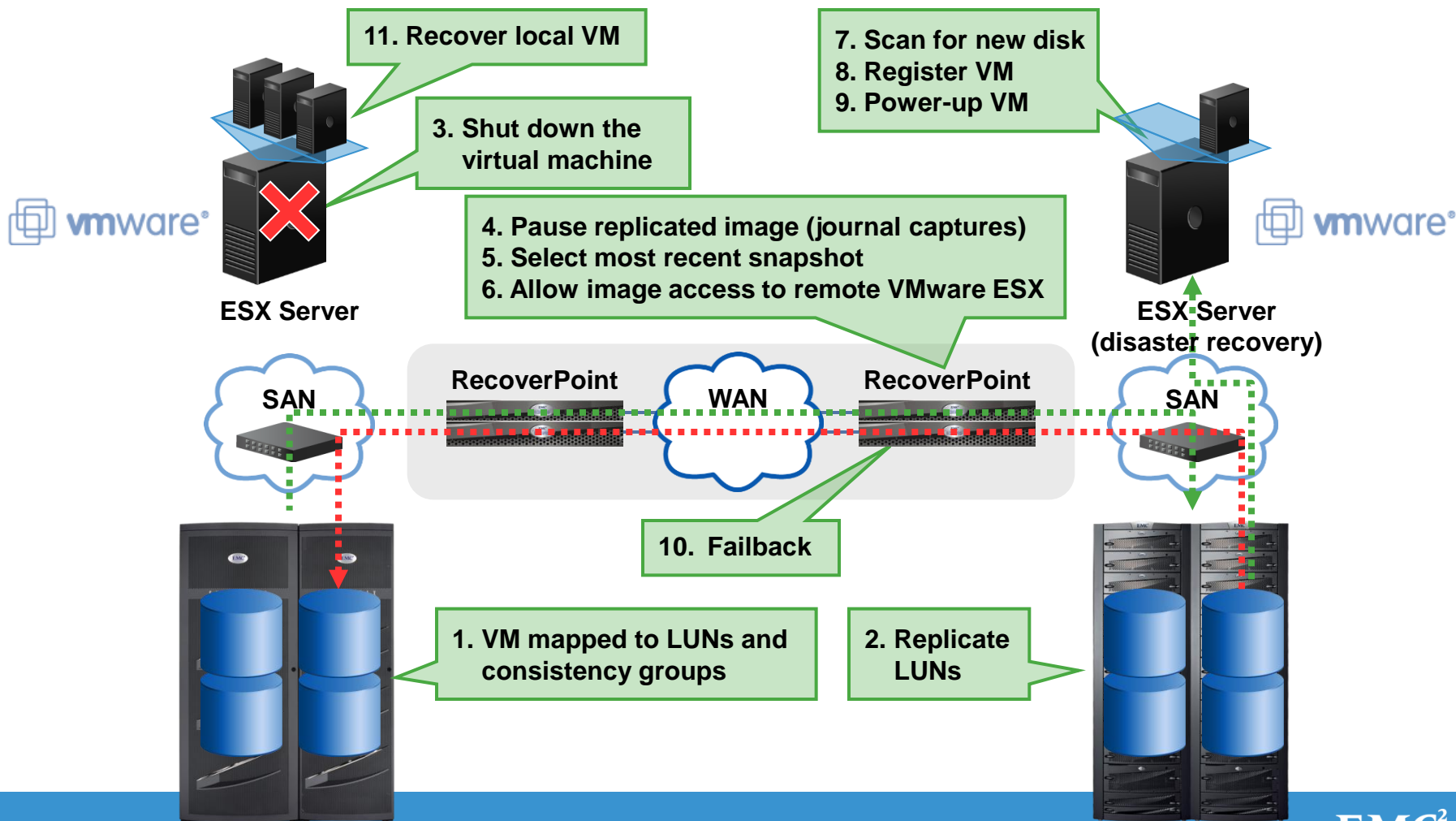
Virtual Machine Failover **with** VMware Site Recovery Manager

Press In Case of Disaster

VMware

ESX Server

Shut down the virtual machine
Pause replicated image (journal captures)
Select most recent snapshot
Allow image access to remote VMware ESX Server
Scan for new disk
Register VM
Power-up VM
* User initiates failback
Reverse replication direction, sync data
Recover local VM

VMware

ESX Server
(disaster recovery)

SAN **RecoverPoint** **WAN** **RecoverPoint** **SAN**

1. VM mapped to LUNs and consistency groups

2. Replicate LUNs

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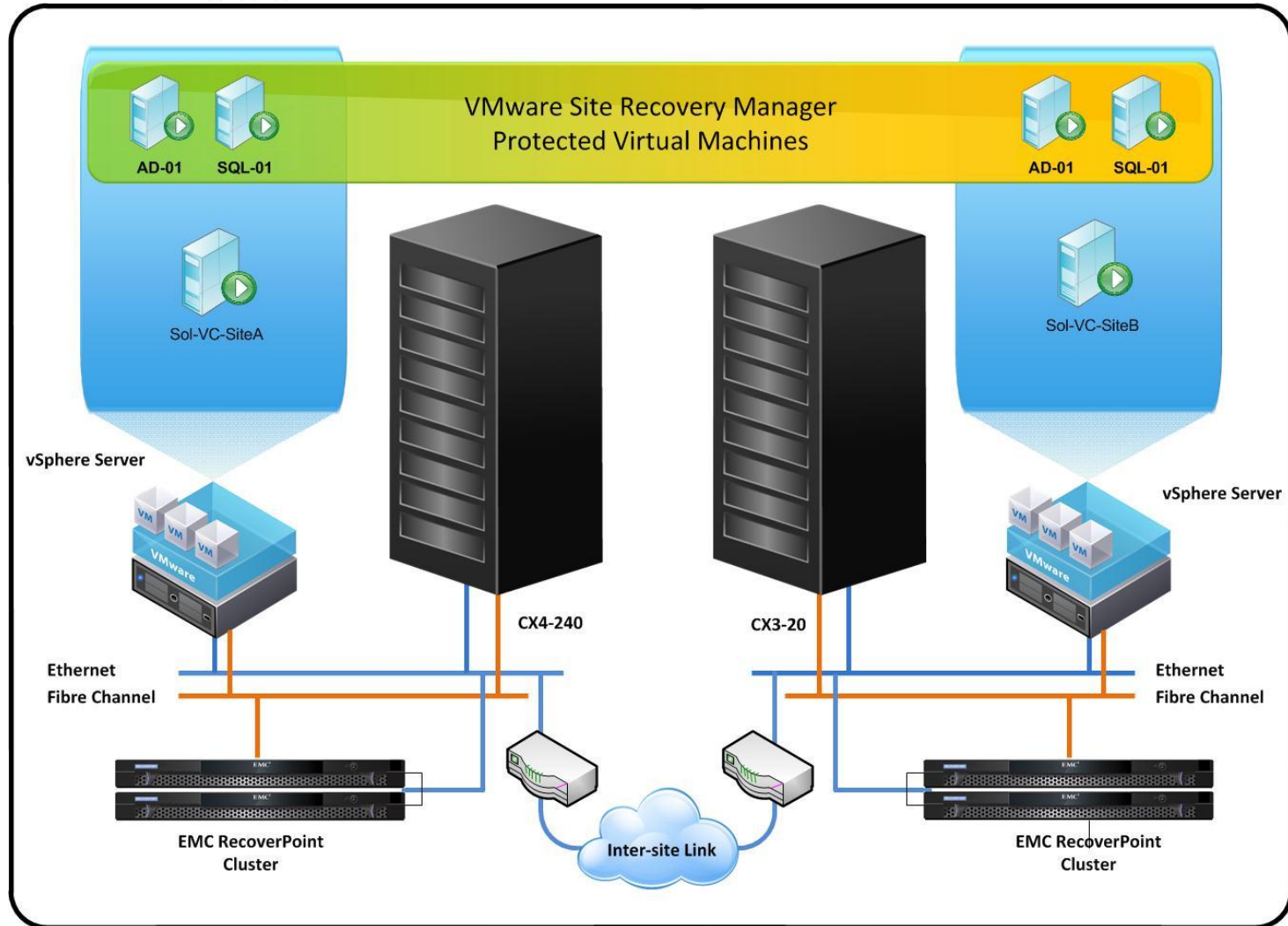where information lives®

Summary

Site Recovery Manager and EMC RecoverPoint Leverage VMware Infrastructure to Make Disaster Recovery:

- **Rapid**
  - Automate disaster recovery process
  - Eliminate complexities of traditional recovery

- **Reliable**
  - Ensure proper execution of recovery plan
  - Enable easier, more frequent tests

- **Manageable**
  - Centrally manage recovery plans
  - Make plans dynamic to match environment

- **Affordable**
  - Utilize recovery site infrastructure
  - Reduce management costs

Press In Case of Disaster

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Demonstration

THANK YOU

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