Disaster Recovery Service Offering

Progression
whatever IT takes!

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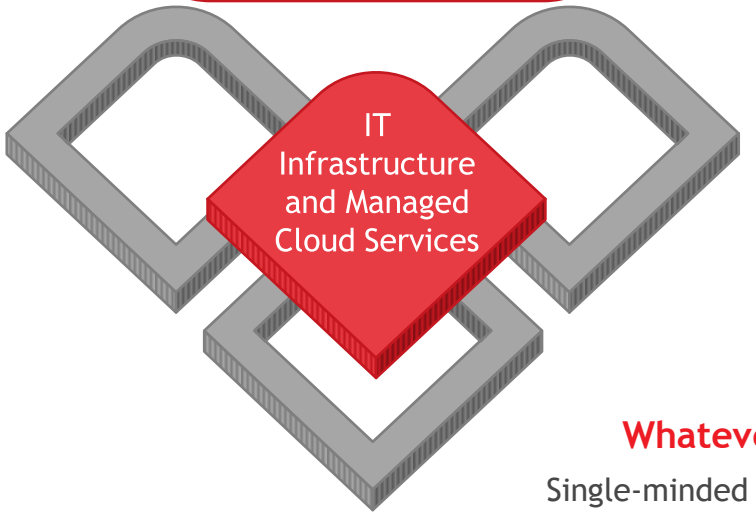
Progression

Who we are

Progression helps businesses across the world get more effective in managing their IT infrastructure and applications, while lowering the cost of running them

Founded: 1995
Team: 125+
Clients: India, ME, Europe;
85%+ retention



End to End

Design & Build,
Monitor & Manage;
Optimize

IT for Business

Focus on cutting edge technology to deliver real-world business benefits

Whatever IT Takes

Single-minded approach to solve a client's problem

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Progression

Vision & Mission

Vision

...to continuously optimize IT through selection and application of technology innovation aligned with business needs enabling clients to achieve a competitive edge.

Core Values

Mission

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Progression

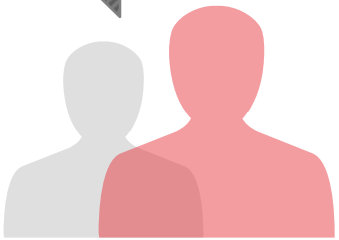
About Us

STANDARDS

ITIL 3
ISO 27001

CERTIFICATIONS

Certified in VMware, HP, Oracle, Microsoft, Cisco and Check Point technologies

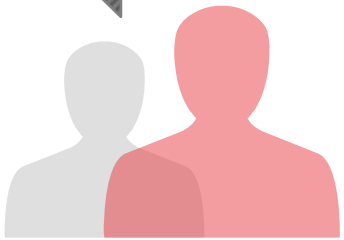


DATA CENTER

Leading edge remote monitoring NOC located in our own Tier 3+ data center

PARTNERS

vmware
ORACLE
hp
Microsoft
Check Point SOFTWARE TECHNOLOGIES LTD.



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Progression

Disaster Recovery

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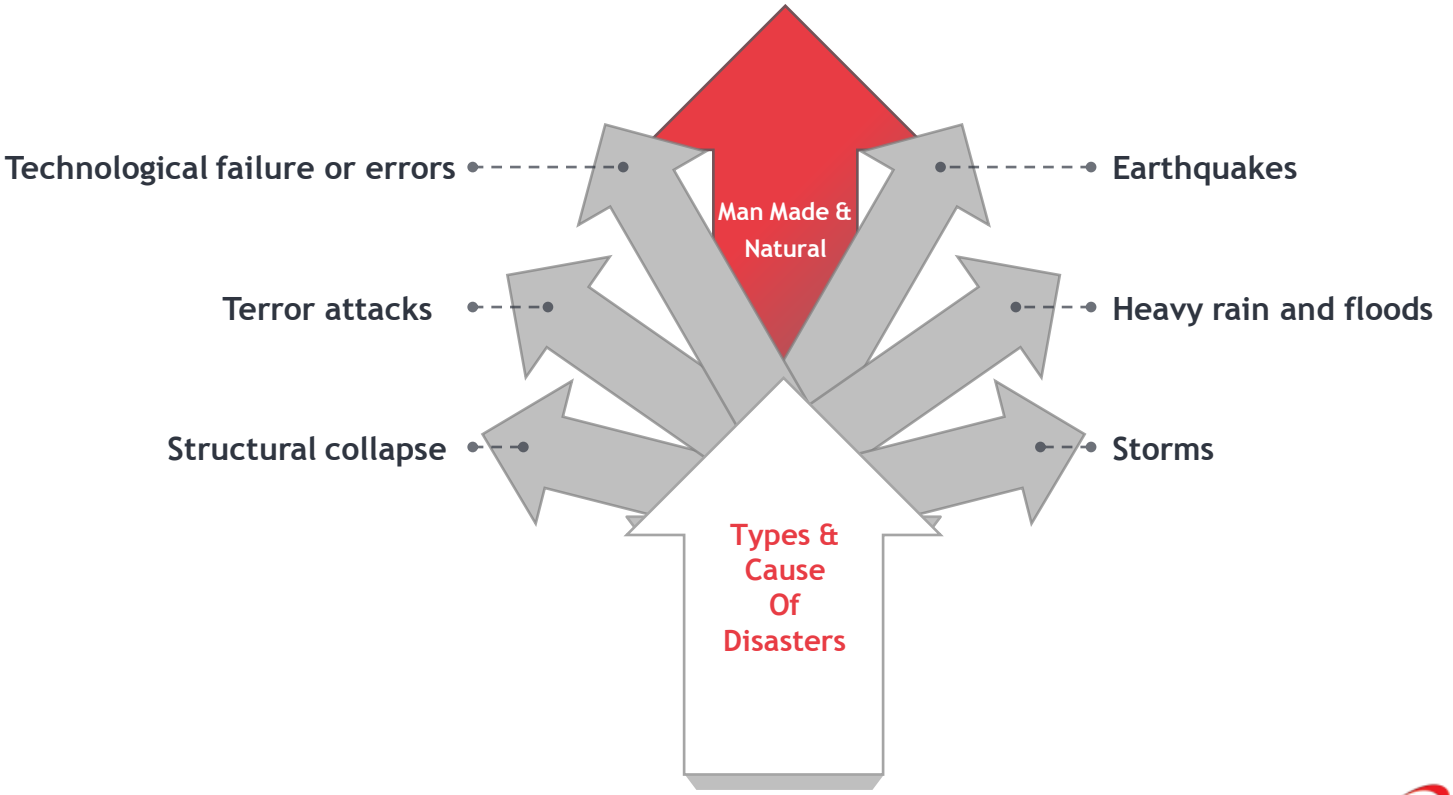
Disaster in the Context of Data Centers

Disaster is a sudden, unforeseen event that brings your key IT infrastructure to its knees.



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Progression

Disaster Means Downtime for Business

In 2013,healthcare.gov, the online insurance marketplace of the US government saw a series of hard and soft outages, that left the site barely functional, having a huge negative impact on President Obama's policy rollouts.

Hurricane Sandy left major devastation in its wake in October 2012. Loss estimates due to damage and business disruption were pegged at **$65.6 billion**

India saw two severe blackouts in July 2012 which left 22 states in the country powerless. Train services and traffic signals were affected. Most businesses had to rely on DG sets to get back to business, increasing cost of operations considerably

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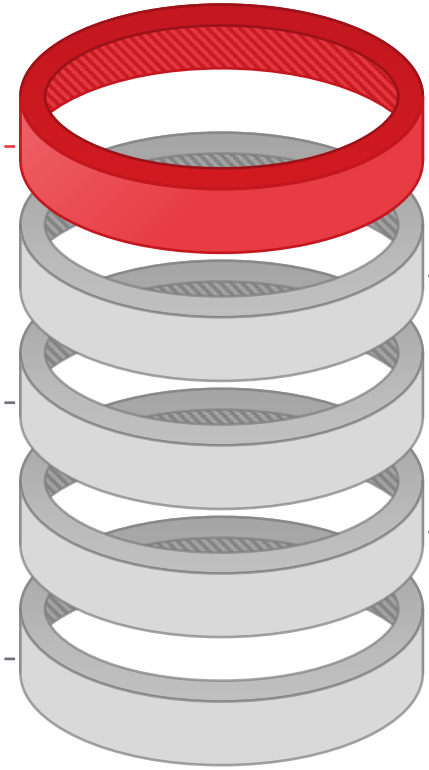
What's the Cost of Downtime?

While companies do have a sense of the cost of downtime, here are some factors to consider while calculating it.



Cost of infrastructure that is not being used because of the downtime

Loss of new opportunities as the time of key people is spent on bringing the systems back to work

Loss of productivity of personnel sitting idle without access to applications and data

Loss to revenue and reputation

Increased cost for additional work, for personnel and operations

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Progression
DR as a Service

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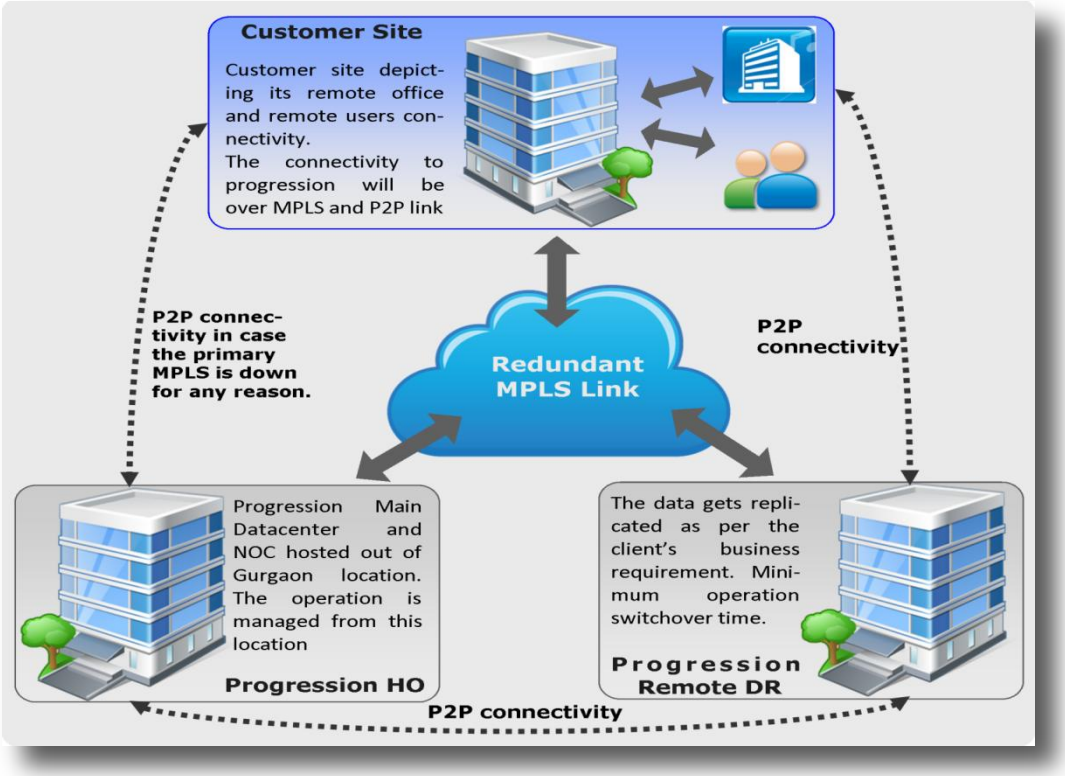
Progression

Progression DR

Progression offers full function DR which ensures Business Continuity for the client in case of any disaster situation. The DR is located at Chennai & managed from Progression NOC at its HO in Gurgaon.



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Progression DR

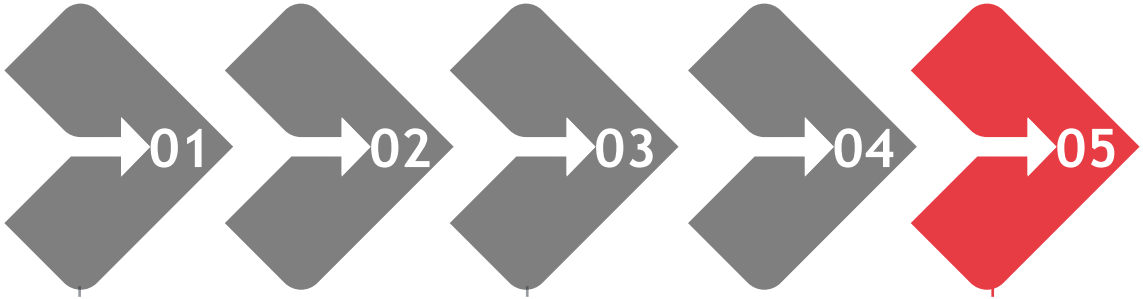
We operate a full function state of the art Tier3 compliant data center from Gurgaon, and have a remote Disaster Recovery facility.

Physical Infrastructure

N+N PAC for cooling with cyclic redundancy mode, humidity control, separate hot & cold aisle, optimized rack and cable arrangement to ensure smooth air flow and cooling. Efficient fire suppression system to automatically initiate, in case of exigency.

Connectivity & Bandwidth

Progression has a high-speed, multi-megabit, redundant network backbone serviced by multiple top-tier ISPs. The setup is constantly monitored by ISPs and by Progression's specialists through our NOC



Power

Completely redundant power supply with grid (Utility Power) and redundant generator backup for 24x7 operation. N+N source distribution of power to racks and equipments through multiple UPS configuration.

Security

We have incorporated the best of the physical and logical security. With biometric devices and CCTVs in place and with guards manning the setup, physical security is ensured. We use state of the art firewall, IDS/IP, content filters, and spam filters to manage the various aspect of logical security.

Compute, Storage and Networking

High-end, current-generation servers, storage and networking device deliver a high-performan ce environment

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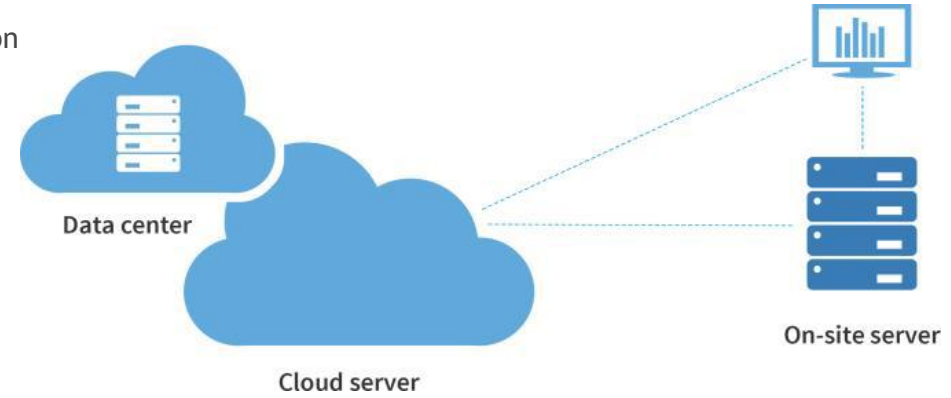
Progression Disaster Recovery Offering

End to End Managed DR Solution

- Both Primary ad DR site are hosted by Progression
- Primary and DR managed by Progression

Hybrid DR Solution

- Primary site is at customer location and DR with Progression
- DR managed and maintained by Progression



DR on Cloud

- Disaster Recovery to the Cloud services using vCenter Site Recovery Manager

Co-located DR Solution

- Customer hardware hosted at Progression DR location
- DR managed and maintained by Progression

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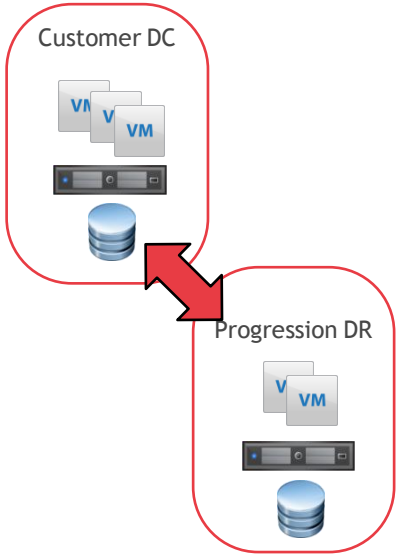
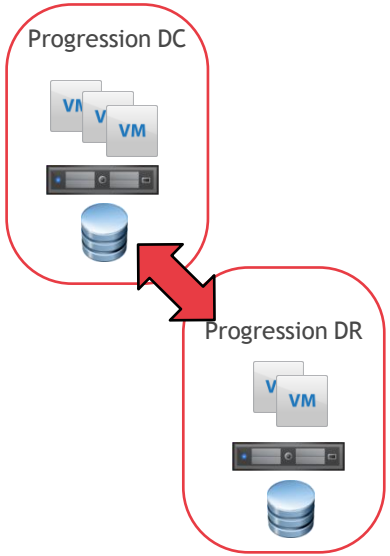
Disaster Recovery Scenarios

Scenario 1



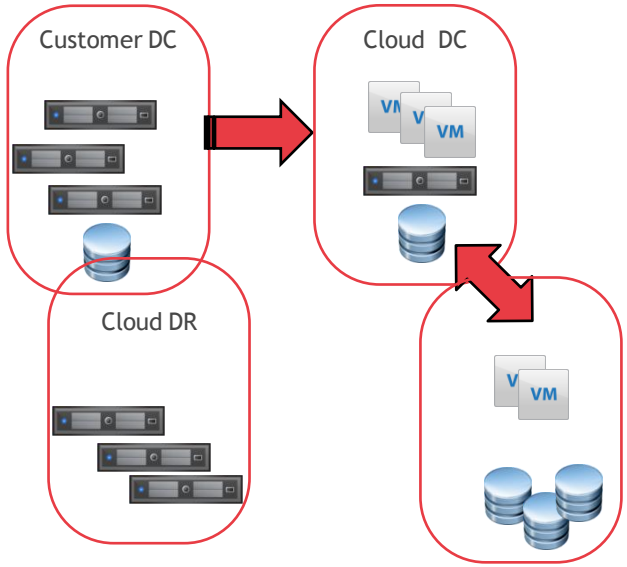
- Customer has own DC and is already using VMware cloud
- DR on Progression Cloud - local or remote

Scenario 2



- Customer is existing user of Progression Cloud DC
- DR will be on remote Progression Cloud

Scenario 3



- Customer has own DC and Physical Infra
- 'Cloud DC' can be Customer or Progression
- DR can be Local or Remote

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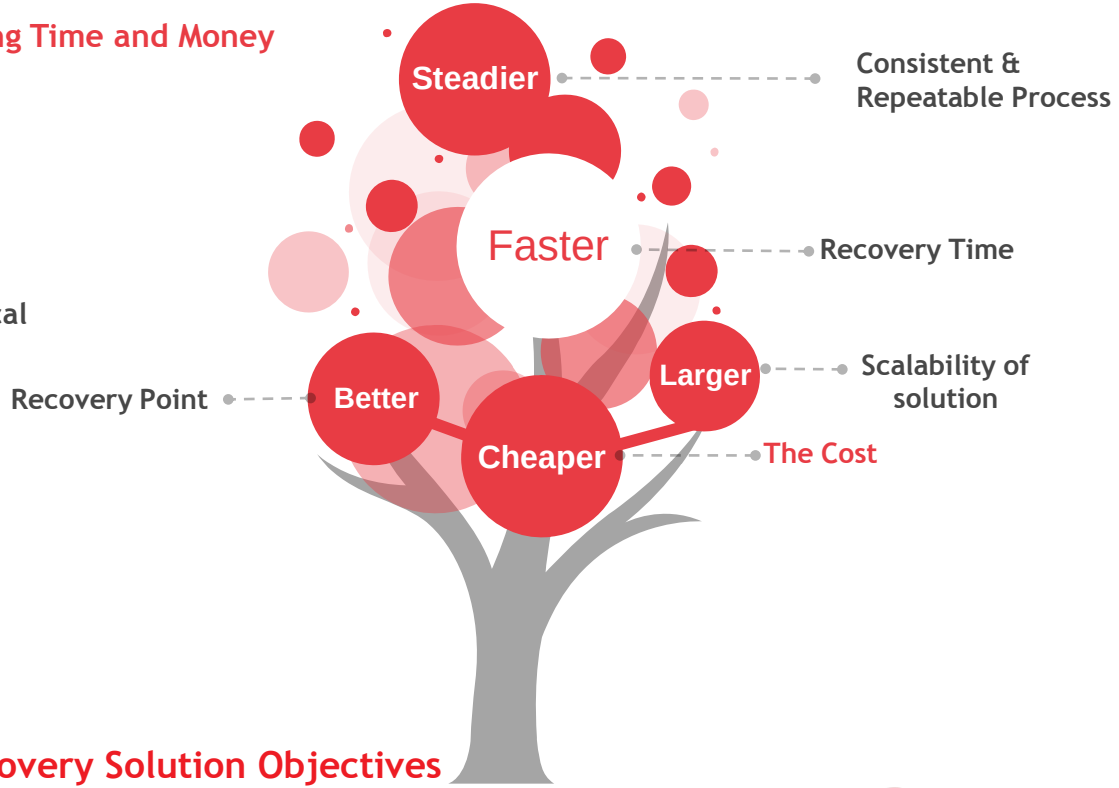
Our Approach to Disaster Recovery

Progression Recommendations for Saving Time and Money

- **Standardize**
  - IT Practices- Settings and Configurations
  - Hardware- Servers / Processors
  - Software- OS / Database
- **Automate**
- **Define Rules for Backup of Mission Critical Data**



Recovery Solution Objectives

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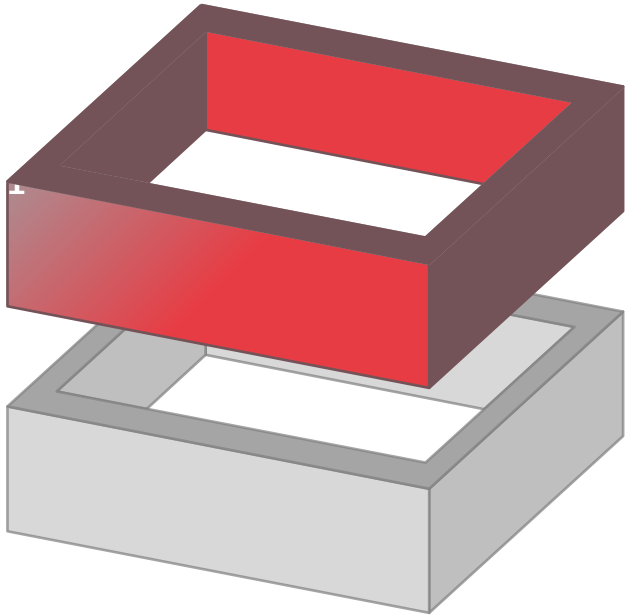
Progression

Our Approach to Disaster Recovery



Inputs Required for a Good DR Plan

- Security Audit & Advisory
- Streamlined Processes and Procedures
- Define Priority of Data and Applications
- Consolidation of Servers

DR Testing

- Don’t plan the tests, TEST the PLAN
- There's no tool that replaces testing. Tools provide the status but not the actual recovery
- Helps to find the gaps and keep the PLAN updated in the ever changing business & technology environment

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Progression

Disaster Recovery Solution

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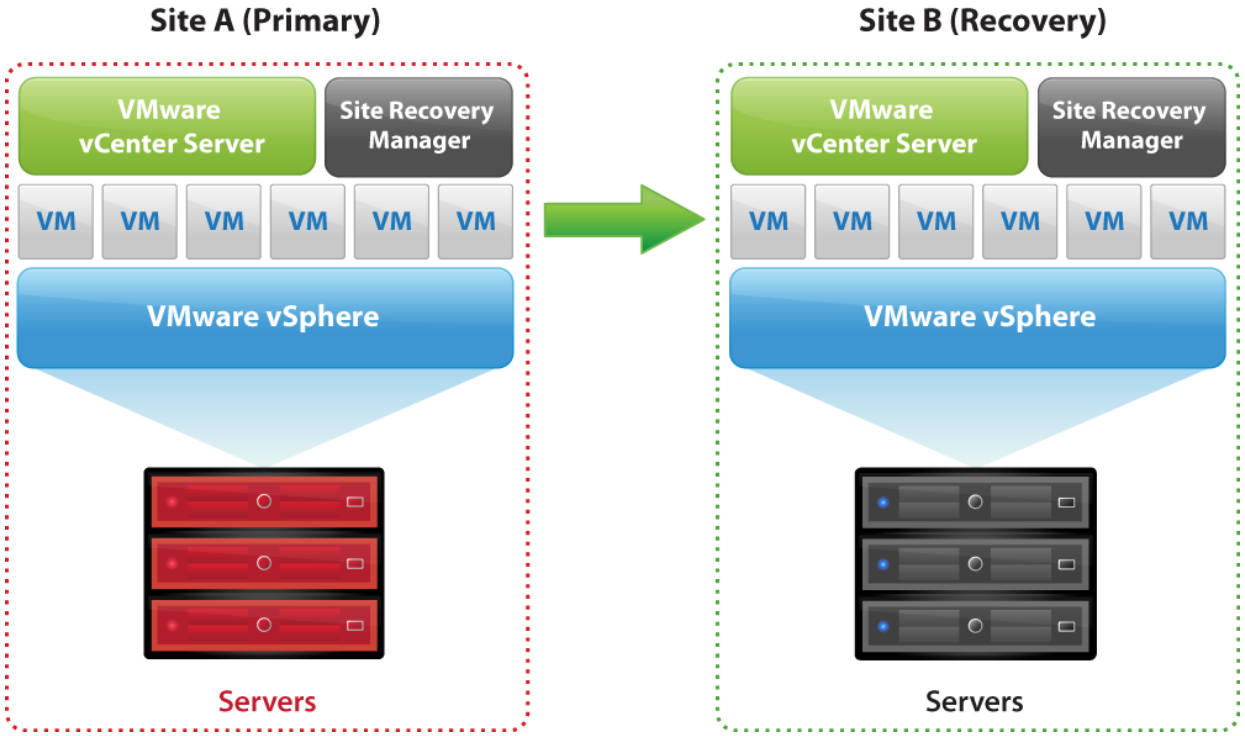
SRM - Reference Architecture



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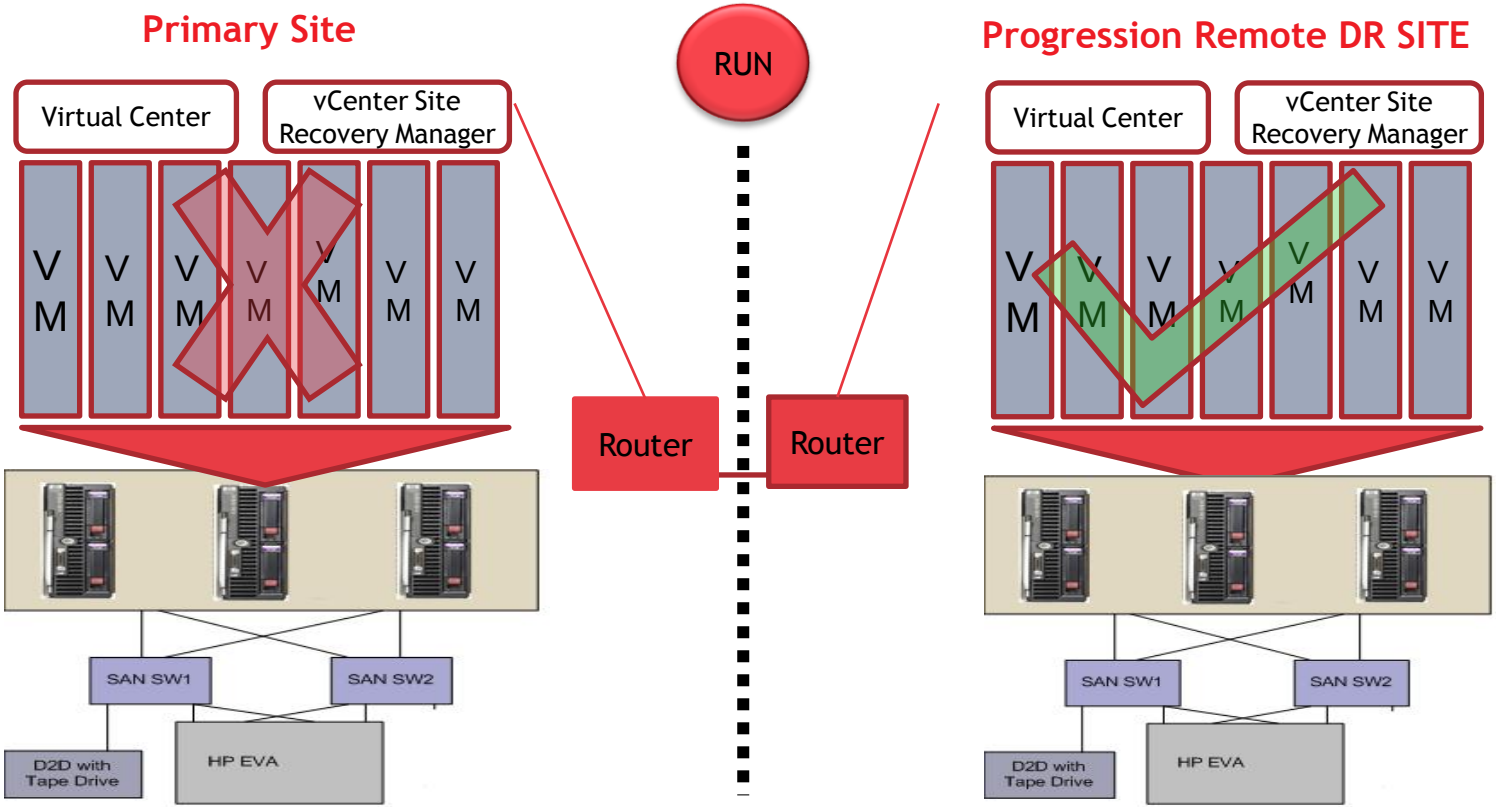
Site Failover



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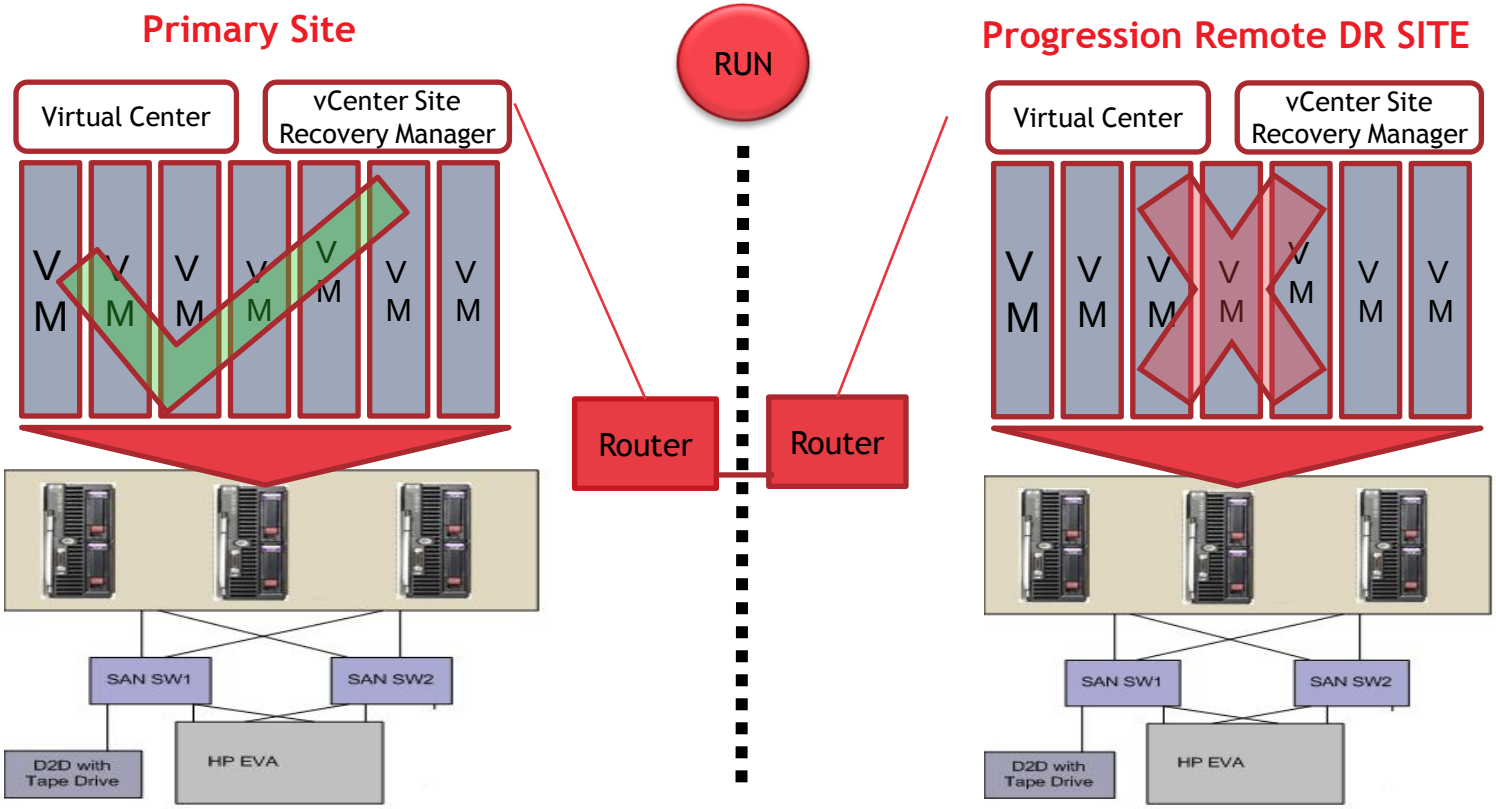
Site Failback



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Progression

Key DRaaS Technologies

VMware vCenter Site Recovery Manager

vCenter Site Recovery Manager is a leading disaster recovery management product. It ensures simple and reliable disaster protection for all virtualized applications. It uses vSphere Replication or storage-based replication to provide:

- Simple management of recovery and migration plans
- Non-disruptive testing
- Fully automated site recovery and migration

Oracle Data Guard

Oracle Data Guard is a disaster recovery solution to protect mission critical databases on Exadata, which is Oracle's database solution for different types of workloads. Data Guard is also used to maintain availability if the production database is impacted for any reason, and to minimize downtime during planned maintenance.

HP Serviceguard

HP Serviceguard helps companies monitor the availability and accessibility of critical IT services, such as applications and databases. Those applications and the IT infrastructure they use are monitored for any fault in hardware, software, operating system, virtualization, storage, or the network.

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Choose your DR option

There are several approaches for disaster recovery. An enterprise has to choose the best approach depending on a range of factors such as cost, key applications, security and regulatory issues, and so on.

Physical or virtual infrastructure

Companies can replicate their existing physical infrastructure or parts of it to an infrastructure that is either physical or virtual. In the physical infrastructure mode, we will deploy the DR setup within our data center or the company's data center with dedicated infrastructure assigned. This approach is preferred by companies who are finicky about their setup being tangible, that is, the infrastructure can be seen physically.

Shared or dedicated infrastructure

As mentioned above, the company can choose to have a virtual infrastructure that can either be shared or dedicated. With the shared approach, costs come down significantly.

Near-site and remote DR

Companies can opt to have near-site DR and/or remote DR depending on their business needs. This means that in the event of a disaster or downtime, the switchover happens on a site that is located geographically near or far away. If a company faces hiccups frequently, it could be a good decision to have a near-site DR approach, as the data latency will be less in comparison to a remote site.

Some companies opt for both sites to ensure that they build geographical redundancy into the disaster recovery plan.

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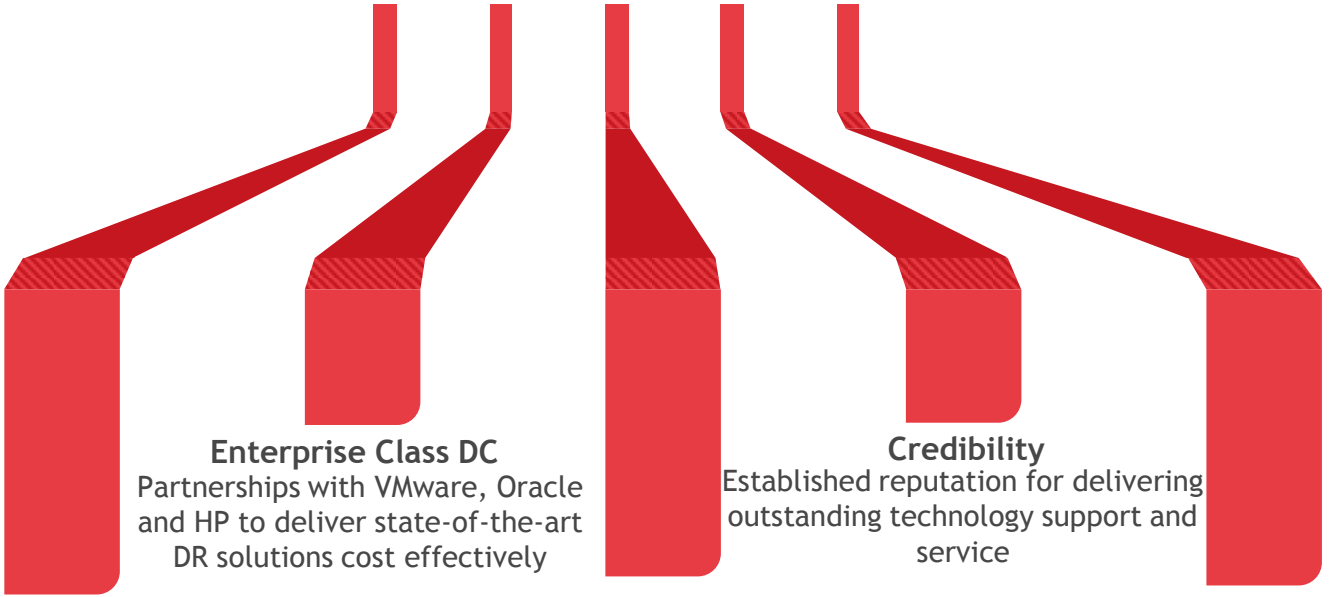
Why Work With Us?



Enterprise Class DC
Partnerships with VMware, Oracle and HP to deliver state-of-the-art DR solutions cost effectively

Credibility
Established reputation for delivering outstanding technology support and service

Comprehensive Solutions
Vast experience of delivering pioneering IT solutions, in India and across the world

Client Focus
Focus on DRaaS solutions that deliver business value, expertise in technology and process with infrastructure available as a service across diverse locations in India

Expert Team
Deep expertise in managing all major enterprise applications on Private and Public Data Centers

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Progression

Success Story

LUMAX INDUSTRIES

Asia's leading automotive components manufacturer

"We are now confident about the availability of our application. The risk of losses and penalties related to downtime is minimized considerably."
-Lalit Madan, GM-IT

LUMAX AUTOMOTIVE PARTS

Disaster Recovery

Challenging to maintain business continuity

Instead of daily issues, wanted to focus on core competency

Needed Cost Effective DR Solution

Was a challenge to have continuous monitoring & availability of ERP

Solution

- 50% of the critical SAP workload is moved to the DR setup
- If Production site goes down, and DR is declared, the DR site is promoted as the Production site
- 24/7 online replication

Benefits

- Faster RPO, guaranteed uptime
- Capital saving
- Improved business prospect
- Peace of mind
- Fully managed service

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Progression

Key Relationships and Awards

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Key Relationships

- Partner since 1997
- Progression has implemented the largest blade server solutions for HP in India
- We have implemented high-performance cluster storage

Gold Partner 2014

ServiceOne Expert Partner

- Partner since 2006
- Deployed the largest VDI solution in India
- Implemented significant server consolidation projects

vmware PARTNER PREMIER SOLUTION PROVIDER

vmware Service Provider Program

- Partner since 2001
- Implemented RAC infra for largest business house in India
- Implemented complex SUN compute grid

ORACLE Gold Partner

- Partner since 2000
- Handled migration from Linux to Microsoft Exchange, Active Directory and SharePoint deployments

GOLD CERTIFIED Partner

- Partner since 2009

zimbra Business Service Provider

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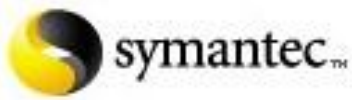
Progression

Key Relationships



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Awards

- Best Cloud Services Provider - North, 2014
- Best Data Center Project, 2014

- Outstanding contribution in Solution Provider category: 2013, 2014
- Outstanding contribution - Technical: 2009, 2010, 2011
- Outstanding contribution in Sales: 2009, 2011

- Best Performer in Storage category 2011-12, 2013

- Best SI for Cloud Solutions 2014
- Top ICT Solution Provider, 2010-11, 2013

- Best Solution Provider – Cloud, 2011

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How Can We Help You?

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