Disaster Recovery as a Service (DRaaS)

"what we promise, we must deliver"

We are a Technology Solutions Provider focused on providing IT solutions that are highly innovative and will add value to your business. We love designing, deploying & supporting technology solutions to solve business problems and meet business needs.

A team of enthusiastic professionals, who love & live technology and are backed by a management that shares the same passion. This, along with more than three decades of experience in the industry, is a winning combination.

Microsoft Cloud Solution Provider (CSP) and Silver Partner for Small and Mid-Market Cloud Solutions (Office 365) & Cloud Platform (Azure)

30+ years of enterprise technology experience with 100+ projects delivered, 60+ managed cloud customers
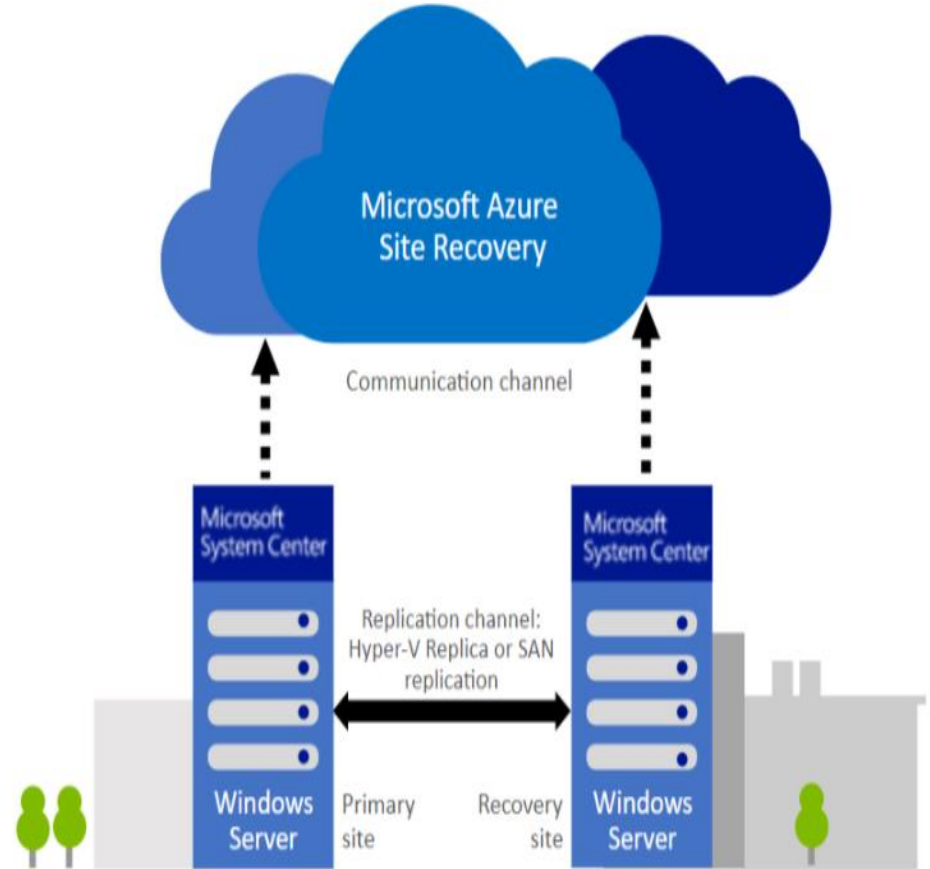
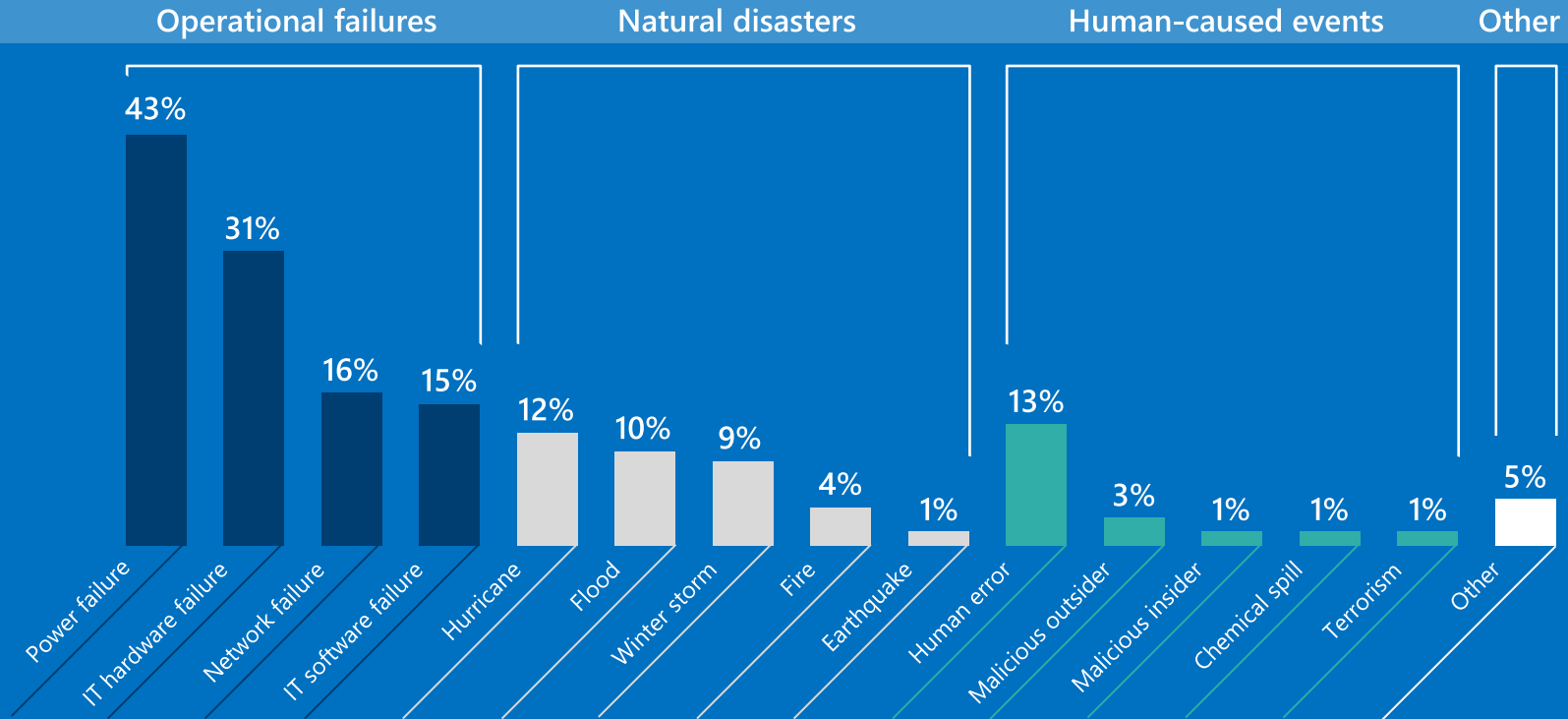"Not just vendors, we are your trusted advisors"

ABOUT US

Azure DRaaS

Cloud-driven, highly innovative and automated disaster recovery

Causes of IT "Disasters"

Operational failures

- Power failure — 43%
- IT hardware failure — 31%
- Network failure — 16%
- IT software failure — 15%

Natural disasters

- Hurricane — 12%
- Flood — 10%
- Winter storm — 9%
- Fire — 4%
- Earthquake — 1%

Human-caused events

- Human error — 13%
- Malicious outsider — 3%
- Malicious insider — 1%
- Chemical spill — 1%
- Terrorism — 1%

Other

- Other — 5%

Source: Forrester "The State of Business Technology Resiliency"

Common challenges

- Difficult to protect complex environments and applications

- Extensive recovery times result in loss of revenue

- Testing DR policies can become disruptive to production workloads

- Protecting an entire environment can be costly

Solutions for the challenges

- Protection of any platform, regardless of location

- Certified support for Microsoft and third-party applications

- Class-leading RPO and RTO

- Test DR plans without impacting your business

- Protect critical and lower tier applications at lower costs
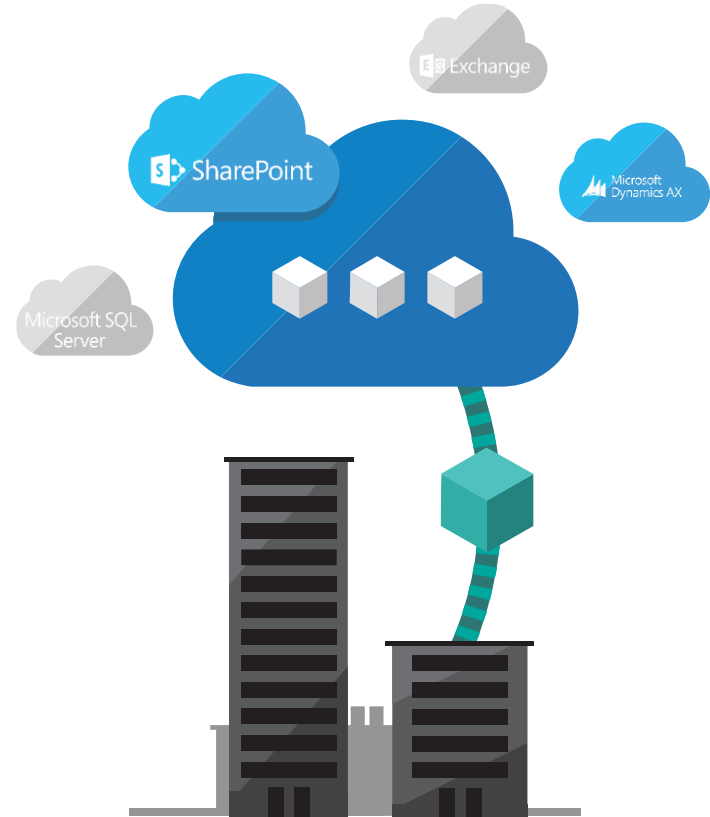
Azure Site Recovery technology

SaaS-based disaster recovery
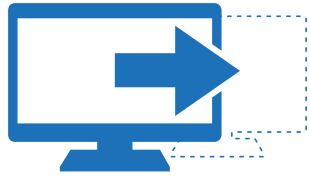
- Automated replication and policy-based protection

- One-click orchestrated recovery

- Seamless integration with Azure services

- Remote health monitoring

- Multi-tier, application-consistent recoveries

- No-impact DR testing

Simplified deployment

- Quick and easy

- Recovery on your terms

- SaaS-based offering

Communication and replication

Replication channel
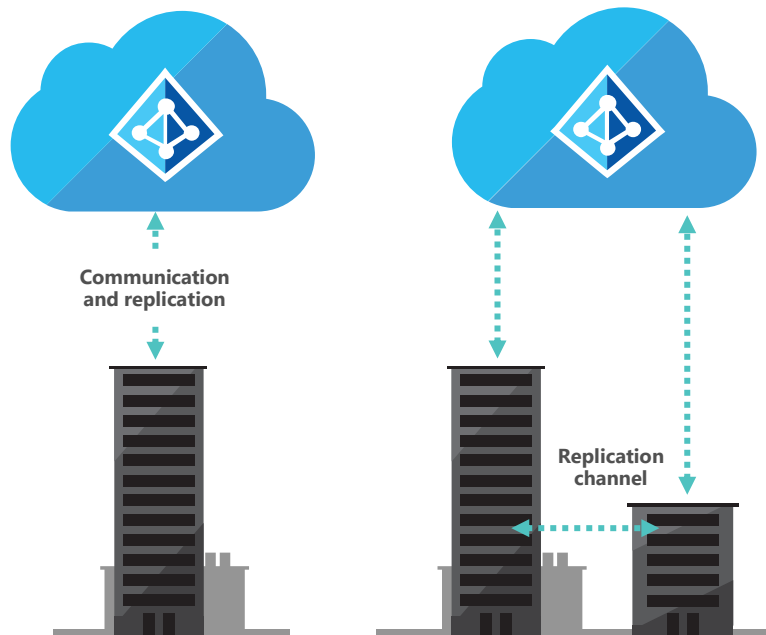
Enterprise-grade protection

- Customizable policies
- Application aware
- Multi-VM consistency

SOURCE (CONFIGURATION SERVER)	VM4ASREV2A

TARGET	Microsoft Azure

replication settings

MULTI VM CONSISTENCY	ON	OFF

RPO THRESHOLD		30	MINUTES

RECOVERY POINT RETENTION		24	HOURS

APPLICATION CONSISTENT SNAPSHOT FREQUENCY		60	MINUTES

Test without impact

- Non-disruptive testing

- Verify recovery plans

- Gain peace of mind

pod5-recovery (test failover)

JOB   PROPERTIES

NAME	STATUS	START TIME	DURATION
▶ Prerequisites check for the recovery pl...	✓ Completed	3/3/2016 2:58:22 PM	1 MINUTE
▶ Create the test environment	✓ Completed	3/3/2016 2:58:28 PM	1 MINUTE
▶ Recovery plan failover	▪▪ In progress	3/3/2016 2:58:37 PM	
▶ Group 1: Start (1)			
▶ Complete testing			
▶ Clean up the test virtual machines			
▶ Clean up the test environment			
▶ Finalizing test failover			
▶ Finalizing the recovery plan			

Supported applications

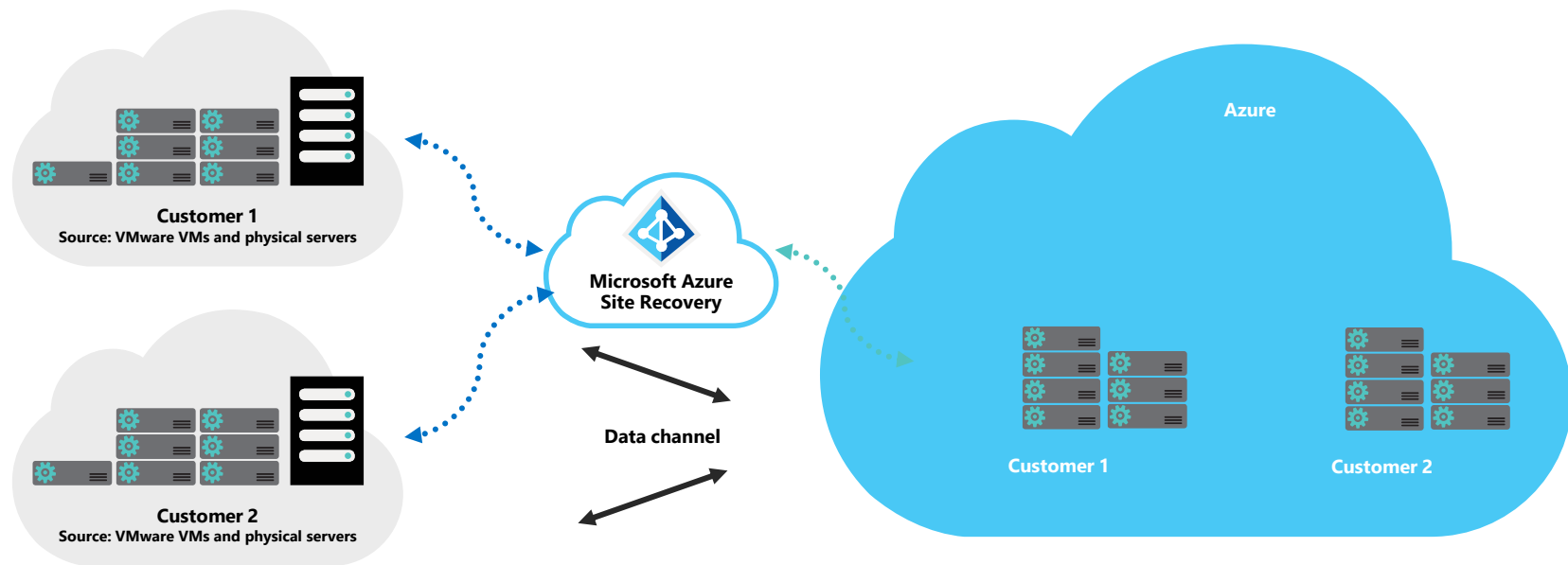| Workload		Hyper-V		VMware	
		Site-to-site	Site-to-Azure	Site-to-site	Site-to-Azure
AD, DNS Infrastructure		▲	▲	▲	▲
Web Apps	IIS	▲	▲	▲	▲
	SQL	▲	▲	▲	▲
SCOM		▲	▲	▲	▲
SharePoint		▲	▲	▲	▲
SAP*		■	■	■	■
Exchange**		▲	▲	▲	▲
Remote Desktop/VDI		▲	▲	▲	▲ (Excluding Horizon)
Linux (OS and apps)		■	■	■	■
Dynamics	AX	▲	▲	▲	▲
	CRM	▲	COMING SOON	▲	COMING SOON
Oracle***		■	■	■	■
Windows File Server		▲	▲	▲	▲

▲ Supported and certified by workload team

■ Supported – tested by Microsoft

*SAP site-to-Azure for un-clustered setups

**Exchange 2013 non-DAG setups

***Oracle Stand-alone – Oracle Data Guard based solution coming soon

Hyper-V site-to-Azure

Customer 1
Source: VMware VMs and physical servers

Customer 2
Source: VMware VMs and physical servers

Microsoft Azure Site Recovery

Azure

Data channel

Customer 1

Customer 2

SCVMM
Coordinates management with ASR

Configure server
Used for centralized management

Master target
Used as a repository and for retention

Hyper-V replica
Host-level replication software

VMware site-to-Azure

Customer 1
Source: VMware VMs and physical servers

Customer 2
Source: VMware VMs and physical servers

Microsoft Azure Site Recovery

Data channel

Azure

Customer 1

Customer 2
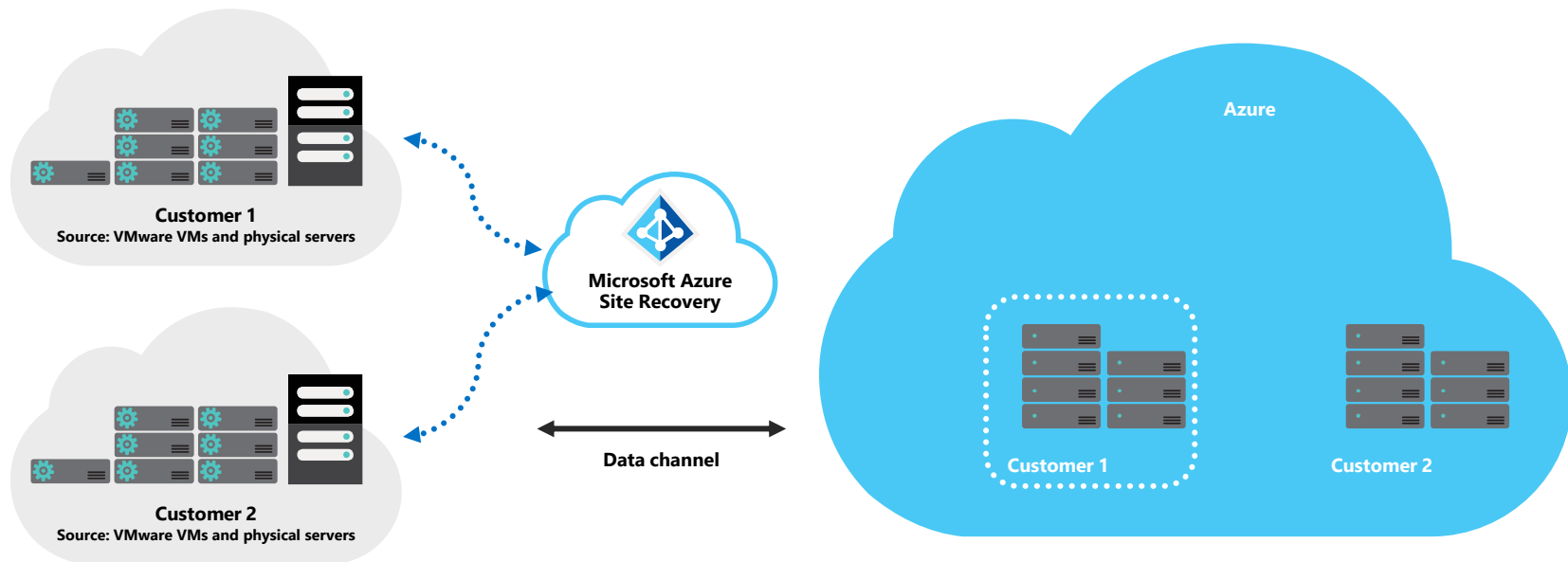
Process server
Used for caching, compression, and encryption

Configure server
Used for centralized management

Mobility service
In-guest lightweight mobility service. Captures all data writes from memory

Why DR using Microsoft Azure?

Single provider

Simplicity

Hybrid design

Unlocks Azure Services

Leverage a native, first-party disaster recovery solution from Azure, a trusted cloud service provider

Support heterogeneous environments—Hyper-V, VMware, Windows, Linux, and physical servers—with Azure's cross-platform functionality

Quickly achieve a hybrid strategy by replicating on-premises workloads to Azure

OMS's availability solutions provide a direct path to the cloud, unlocking the innovation it delivers

Benefits of Azure Site Recovery (Leading DRaaS Solution)

Simple, automated protection and disaster recovery in the cloud

Protect your environment by automating the replication of the virtual machines

Protect Microsoft Hyper-V, VMware and physical servers

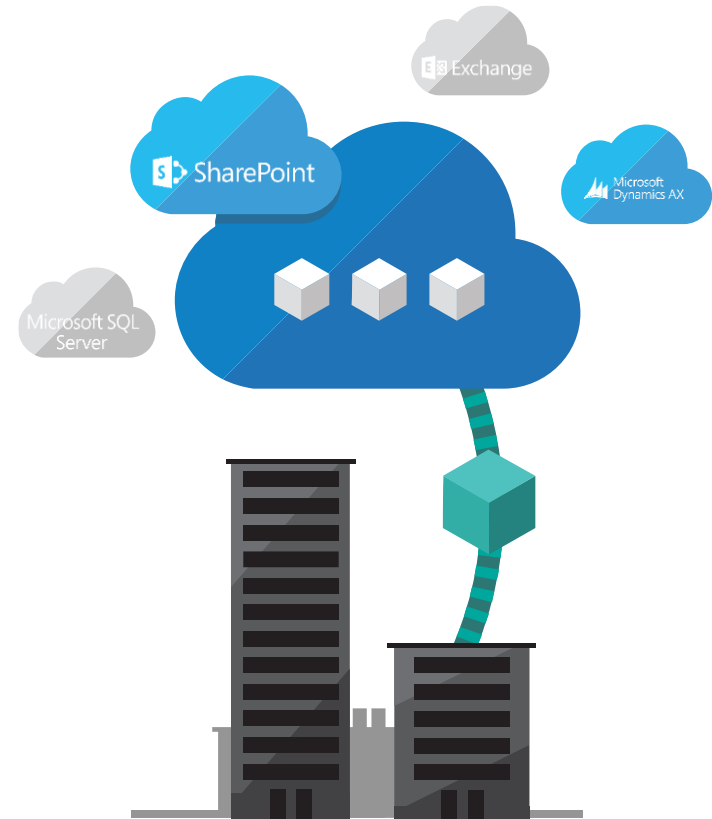Use Azure or your secondary datacenter as your recovery site

No impact DR testing

Easy Failback Capabilities

Data encrypted while in replication and at rest

Reduced RTO and RPO with low cost

Guaranteed 99.9% availability for each Protected Instance of Site Recovery Service

THANK YOU!

We look forward to work with you !