NAKIVO Backup & Replication v10

#1 Backup and Site Recovery

Yurii Hryhoriev
Channel Manager

NAKIVO®

About NAKIVO

› 15,000+ paid customers in 140 countries

› Largest customers protect 8,000+ VMs, 300+ ROBO locations

› 5-star community reviews, 98% satisfaction with support

› 4,000+ channel partners around the globe

› Partner of world's leading technology companies
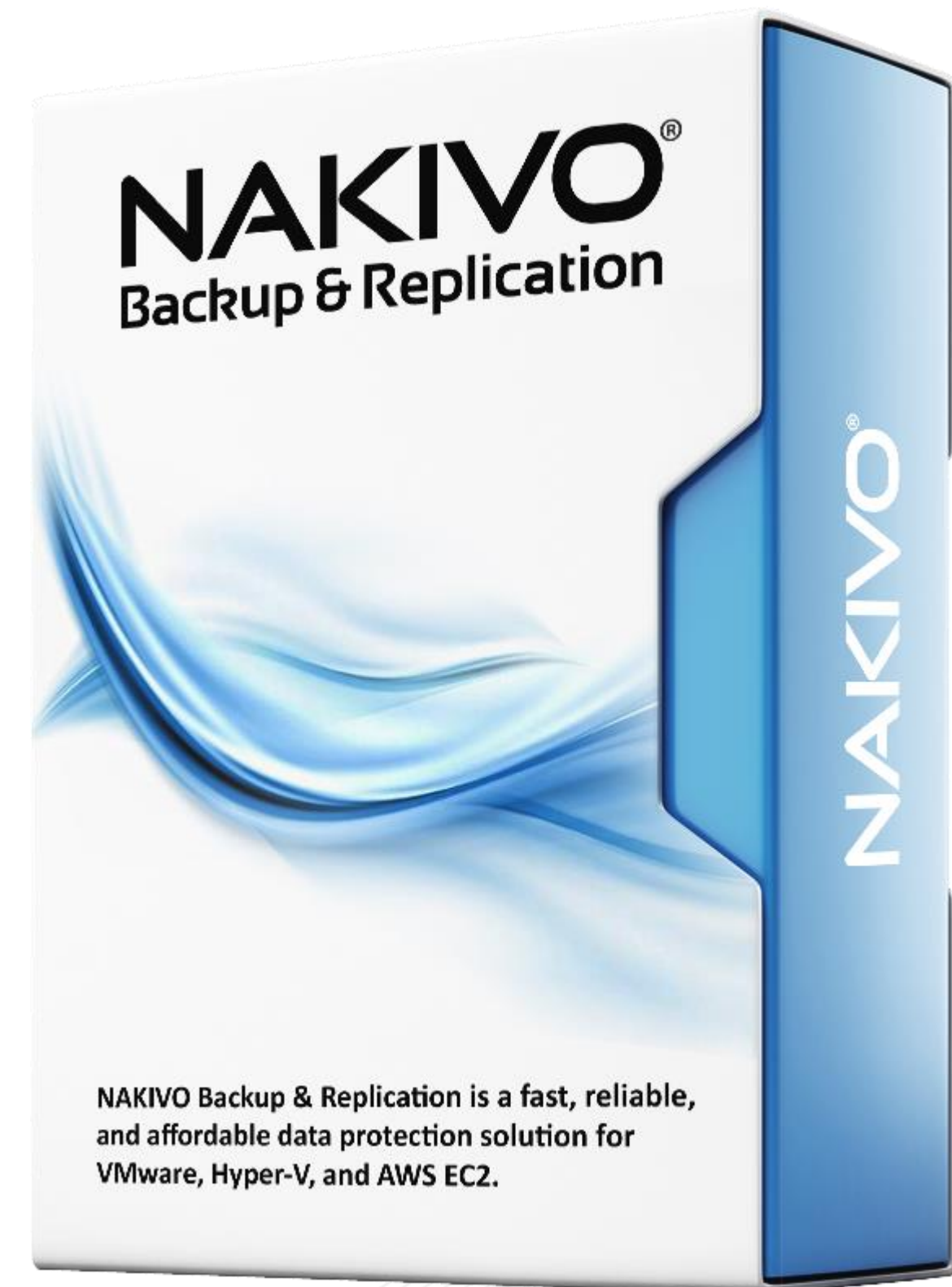
Why Choose NAKIVO

› **All-in-One Solution**
Backup, Replication, Instant Restore, Site Recovery

› **Supports Virtual, Physical, Cloud and SaaS**
VMware, Hyper-V, Nutanix, Amazon EC2, Windows, Linux,
Microsoft Office 365, Oracle databases

› **Can Run Anywhere**
NAS, Linux, Windows, VA, AWS AMI

› **Reduces Administration Time**
Just set it and forget it

› **Saves Your Budget**
with up to 20x cost reduction

NAKIVO®
Backup & Replication

NAKIVO®

NAKIVO Backup & Replication is a fast, reliable,
and affordable data protection solution for
VMware, Hyper-V, and AWS EC2.

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World's Leading Brands Trust NAKIVO

NAKIVO®

Verifone

› **Customer:** Multinational corporation that provides technology for electronic payment transactions

› **Expert:** Stephen Kelly, IT Director, Global Server Operation

› **Challenge:** Protect ~100 hosts and ~1,200 VMs at 60 sites spread all over the world

› **Results:** Fast and easy VM backup locally and to AWS

Milestones

Year	Q1	Q2	Q3	Q4
2012	<hard work>	<hard work>	<hard work>	v1.0 Install on Windows, VMware Support
2013	v2.0 Install on Ubuntu, Network Acceleration	v3.0 File-Level Recovery, 1-click AWS Integration	v3.2 Install on RHEL & SLES, SAN Transport Mode	v3.8 Job Seeding, Windows Server 2012R2 Support
2014	v3.9 Multi-Tenancy, Self-Service	v4.0 Exchange OLR & Log Truncation, Backup Verification	v4.1 Developer API Kit, Datastore Clusters Support	v5.0 Flash VM Boot
2015	v5.5 Active Directory OLR, Adjustable Backup Compression	v5.6 Screenshot Verification, Configuration Export	v5.7 vSphere 6.0 Support, Repository Encryption	v5.9 Install on WD and Synology NAS
2016	v6.0 AWS EC2 Support, Backup Copy Jobs	v6.1 Hot Add Mode, Job Chaining	<hard work>	v6.2 New AWS EBS Types Support, Storage vMotion Support
2017	v7.0 Hyper-V Support, Skip Swap Files & Partitions	v7.1 Hyper-V Failover Clusters Support	v7.2 SQL OLR & Log Truncation, Calendar Dashboard	v7.3 Support for Deduplication Appliances
2018	<hard work>	v7.4 Automated VM Failover, File Recovery to Source, Self-Backup	v7.5 vSphere 6.7, Cross-Platform Recovery, Bandwidth Throttling v8.0 Site Recovery	v8.1 Policy-Based Data Protection, Universal Object Recovery, SSL Certificate Installation
2019	<hard work>	v8.5 Support for Nutanix, Replication From Backup, Auto-Update, Install on Raspberry Pi & FreeNAS	v9.0 Windows Server Backup; Support for Hyper-V 2019	v9.1 Native Backup to Tape; Linux Server Backup; Instant Verification
2020	v9.2 Microsoft 365 Backup v9.2.1 Aptare IT Analytics	v9.3 Backup for Oracle RMAN v9.4 Backup to Amazon S3, Instant P2V, Microsoft Exchange/Active Directory OLR to Source, Role-Based Access Control, Backup of Fault-Tolerant VMware VMs	v10 vSphere 7 Support, Backup to Wasabi, Linux Workstation Backup, Full P2V	

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NAKIVO Backup & Replication v10

What's new?

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NAKIVO Backup & Replication v10

New features and capabilities

Support for vSphere 7

Upgrade to vSphere 7 and keep your VMware VMs protected with NAKIVO Backup & Replication.

Full P2V Recovery

Seamlessly recover physical machines from backups to VMware VMs for sandbox testing or P2V migrations.

Backup to Wasabi

Send backups and backup copies of VMs/instances, physical servers, Oracle databases to Wasabi.

Linux Workstation Backup

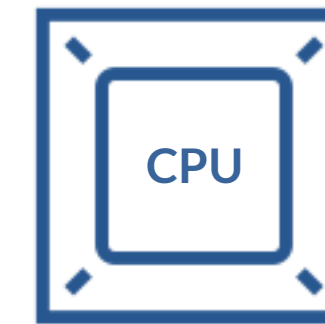Perform app-aware, incremental backups of Linux workstations running Ubuntu 18.04 Desktop and 20.04 Desktop.

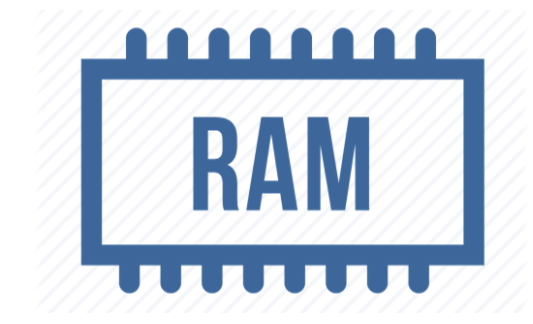**NAKIVO**®

Deployment

Installs Anywhere. Blazing Fast.

NAKIVO®

Deployment Options

Linux	RHEL 6.3 - 7.5; Ubuntu 16.04, 18.04; SLES 11 - 12 SP3
Windows	Windows Server 2019 - 2008 R2; Windows 10 - 7
VA	VMware VA, Nutanix VA
Cloud	Amazon EC2 AMI

CPU

RAM

2 Cores

4 GB

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NAS-Based Backup Appliance

› Install on Synology, QNAP, FreeNAS, NetGEAR, Asustor, and WD NAS

› All-in-one backup appliance

› Up to 2x faster backups

› Reduce load on production environment

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Backup
Fast. Small. Reliable.

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Backup for Virtual, Physical, Cloud, and SaaS

› Backup for virtual and cloud VMs

› Backup for physical servers and workstations

› Microsoft Office 365 Backup

› Backup for Oracle RMAN

› Application-aware backup
(Exchange, SQL, AD, Oracle, etc.)

› Policy-based backup to match policy rules

› Instant backup verification

vmware®

Microsoft
Hyper-V

Microsoft 365

NUTANIX

Linux

aws

Windows
Server

Windows 10

ORACLE®
RMAN

wasabi®

NAKIVO®

Native Backup to Tape

› Perform incremental and full backup to tape

› Easily manage your tape backups/cartridges

› Copy your backups to tape automatically with policies

› Benefit from both software- and hardware-based compression
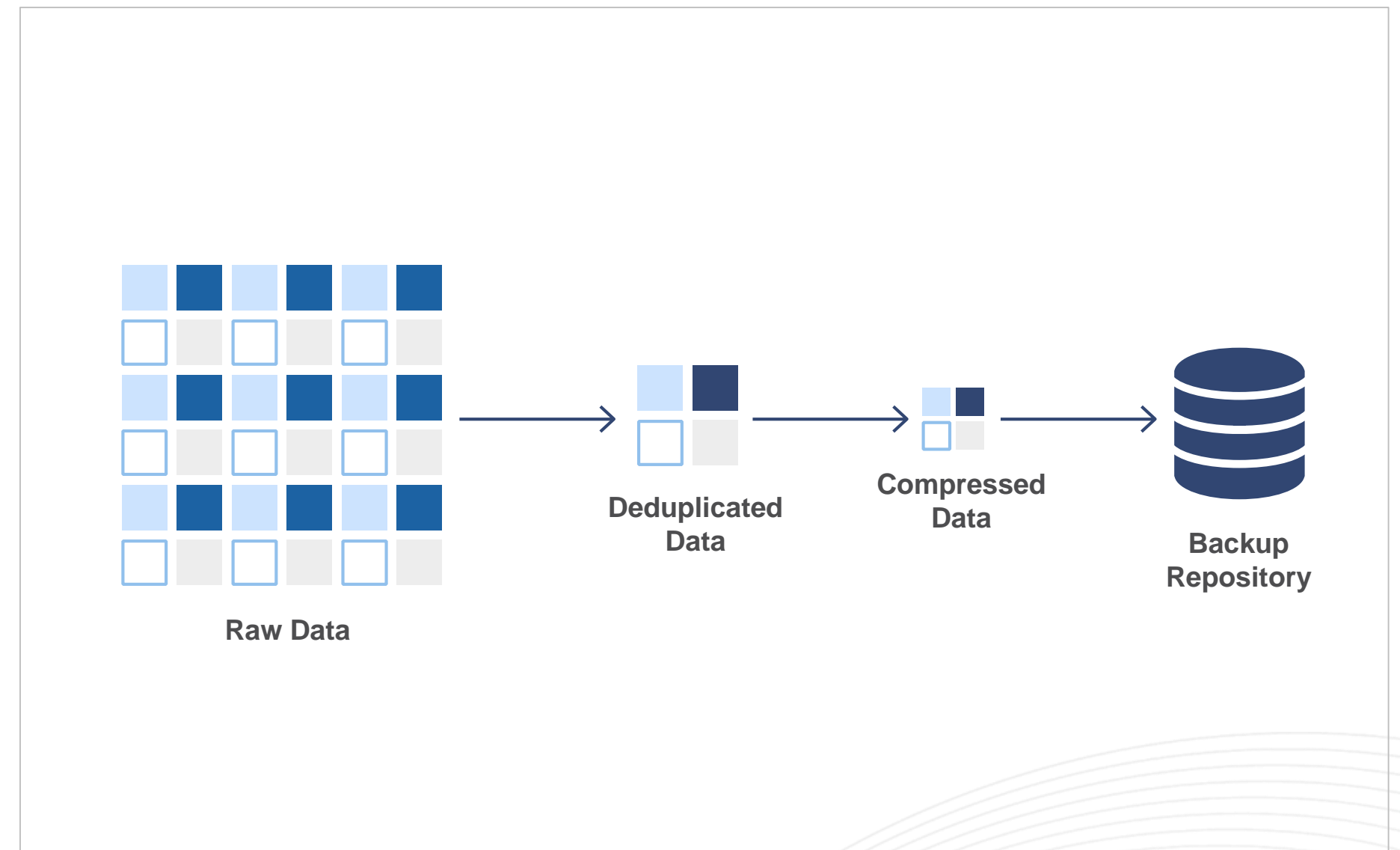
› Perform fast and easy recovery on demand

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Backup Copy/Archiving

› Send backup copies offsite and to public clouds (Amazon S3, Azure, Amazon EC2, Wasabi Hot Cloud Storage)

› Mirror all backups or fine-tune what should be copied and when

› Automate backup copy with job chaining

› Create storage tiers: local repository for primary backups and cloud repository for long-term retention
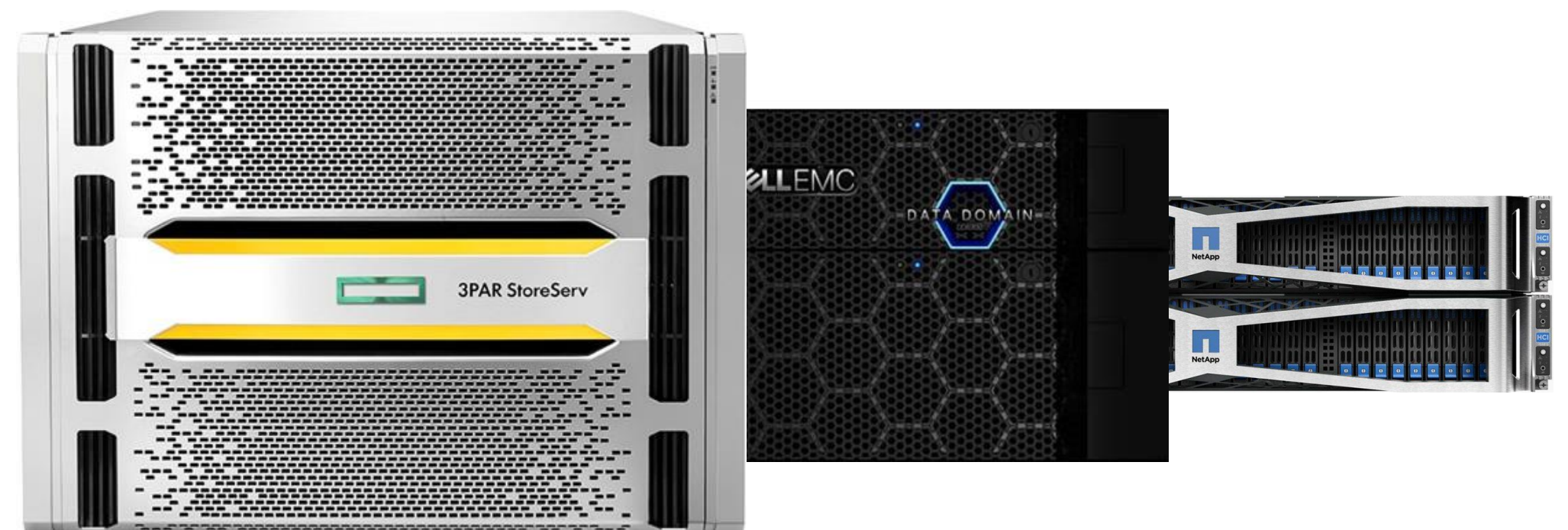
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Global Deduplication

› Duplicate data blocks are skipped, while unique data blocks are compressed to make backups even smaller

Raw Data → Deduplicated Data → Compressed Data → Backup Repository

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Deduplication Appliance Support

› NEC HYDRAstor

› EMC Data Domain

› HPE StoreOnce

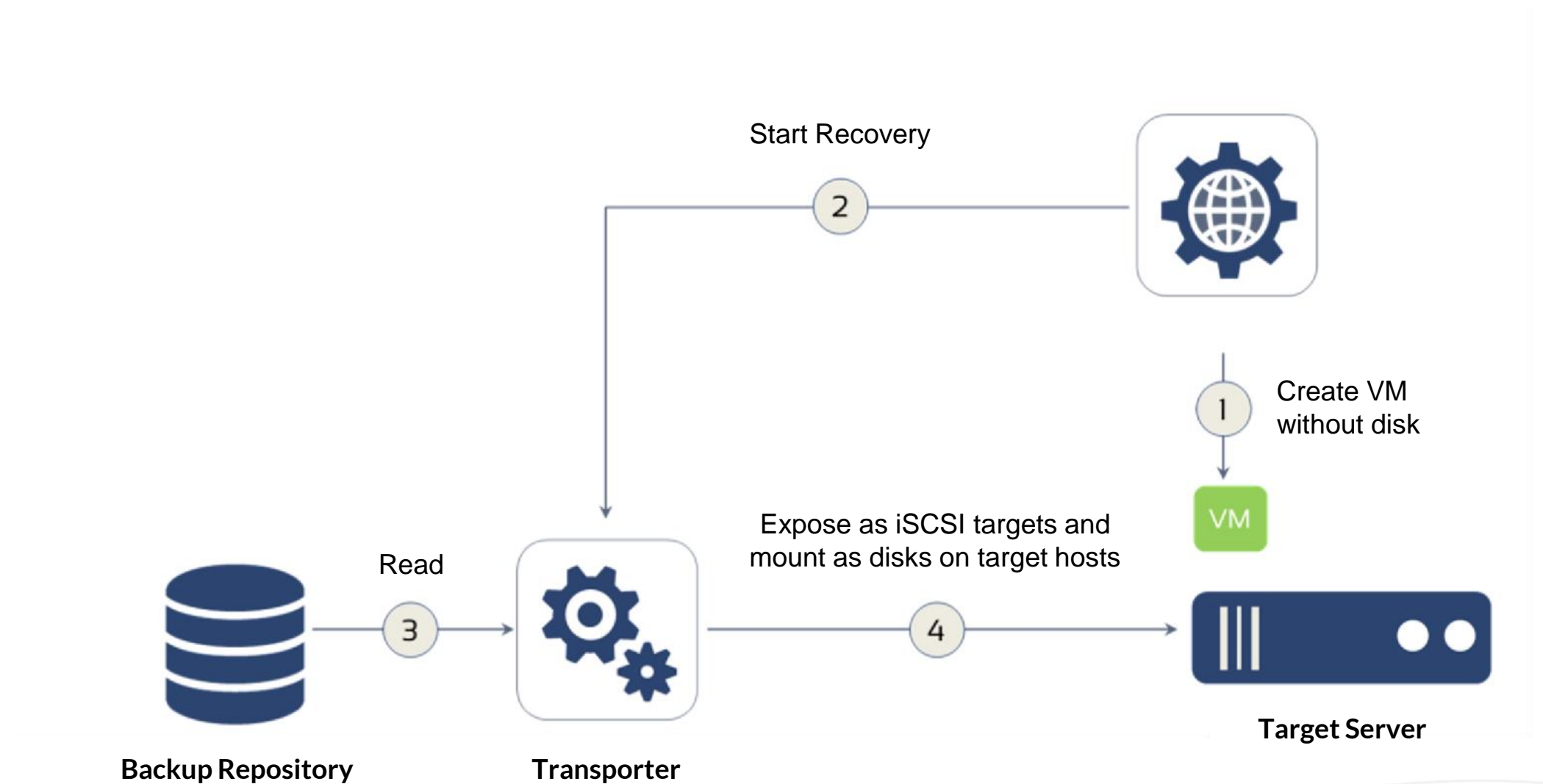› HPE 3PAR

› NetApp

› Quantum DXi

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Instant Recovery
For everything.

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Instant VM Recovery
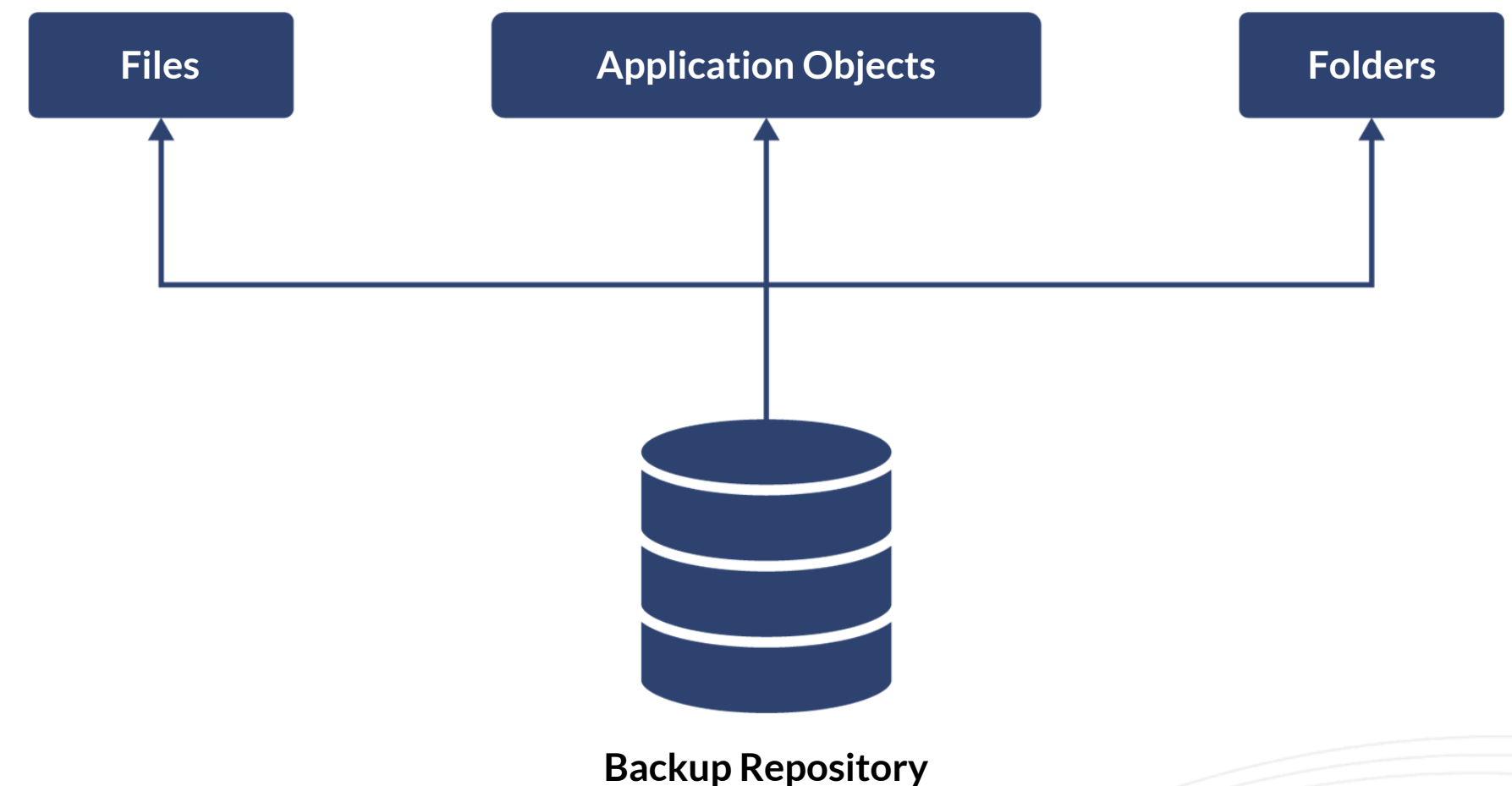
› Recover VMware and Hyper-V VMs from backups within just a few seconds

› Migrate running VMs to production if necessary

Start Recovery

Create VM without disk

Expose as iSCSI targets and mount as disks on target hosts

Read

Backup Repository   **Transporter**

Target Server

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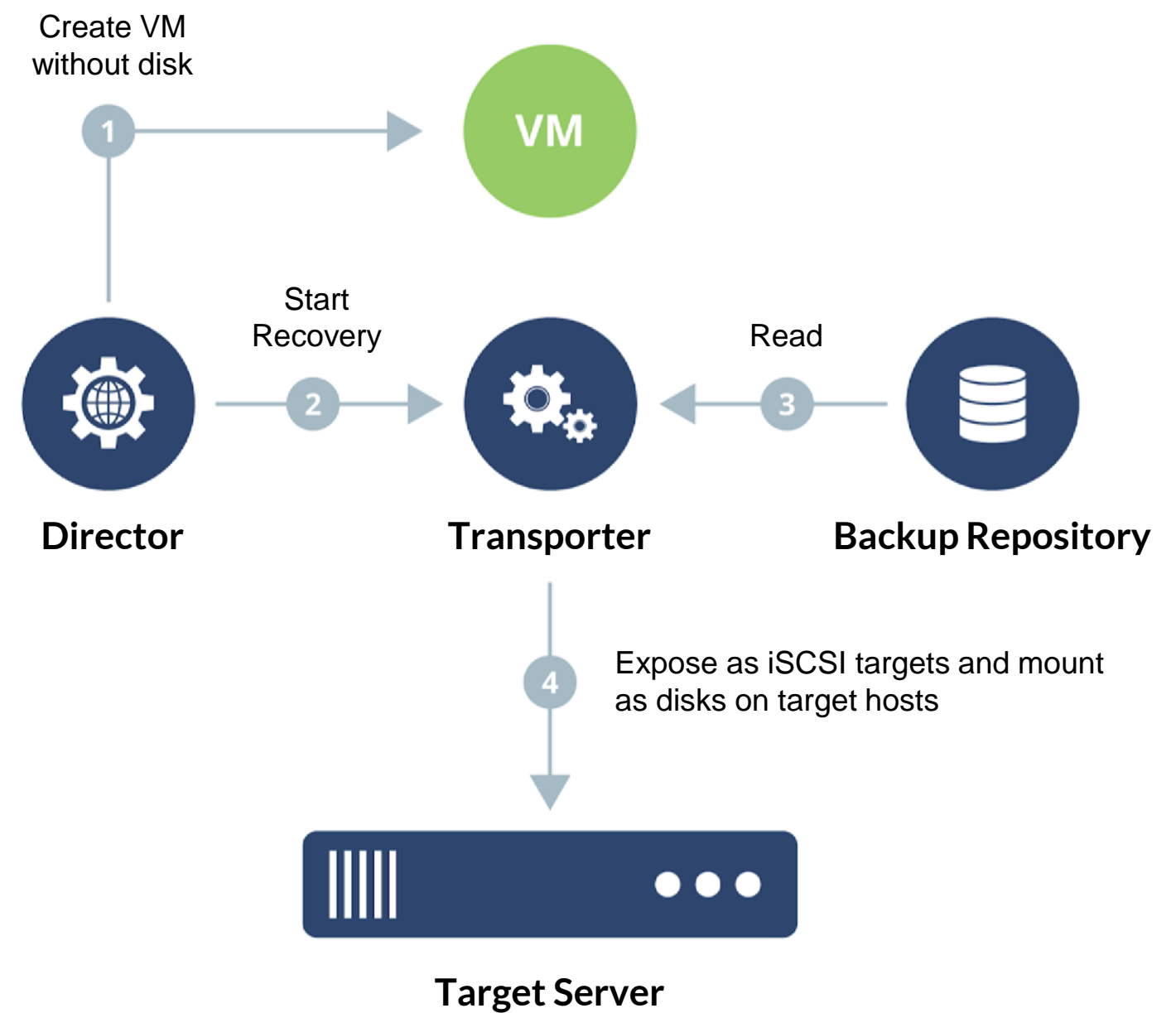# Instant Granular Recovery

Restore what you need directly
from backups to source

› Files and folders

› Exchange objects

› SQL objects

› Active Directory objects

› Any other objects from any application

Files

Application Objects

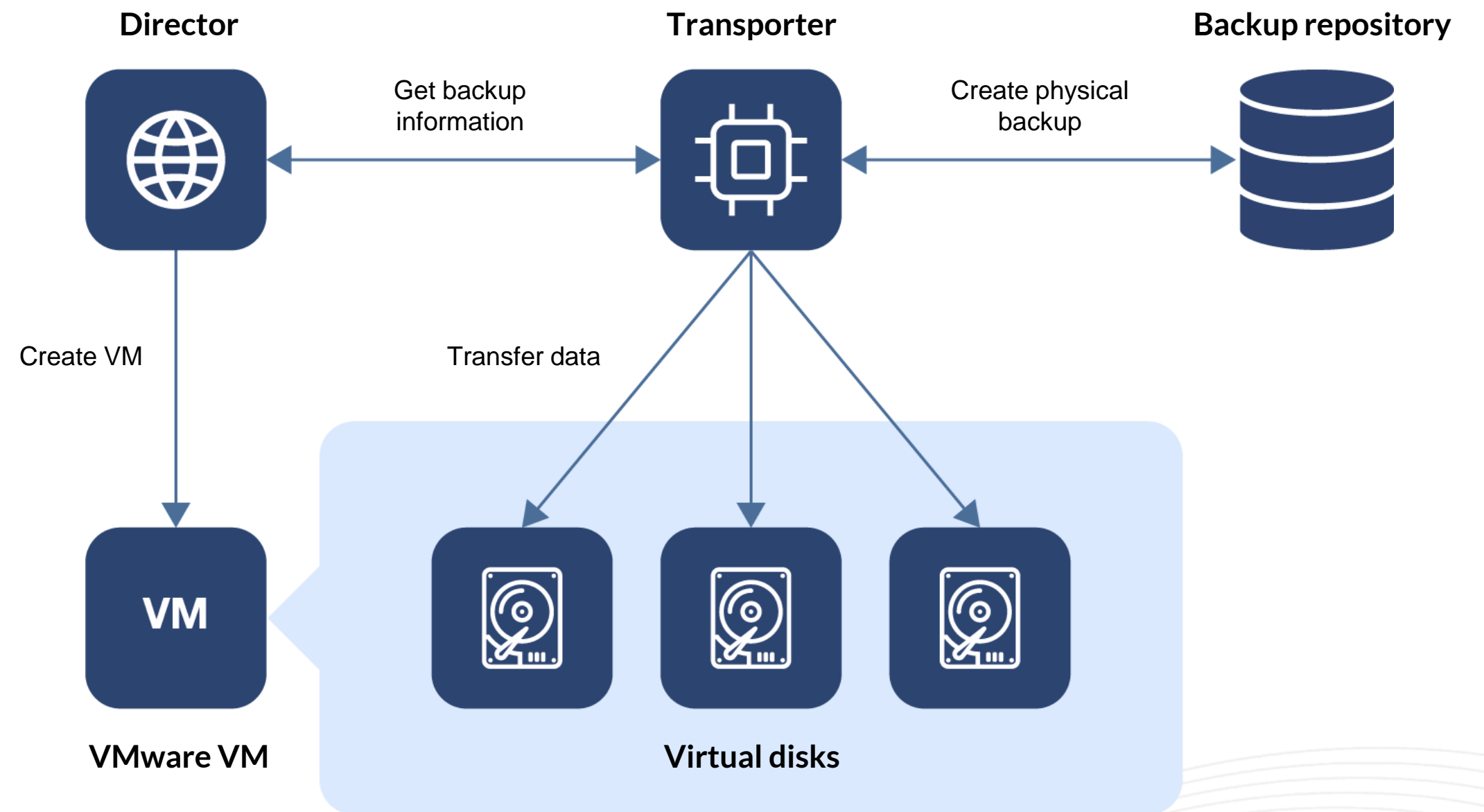**Folders**

Backup Repository

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Instant Physical to Virtual

› Instantly boot VMware VMs from physical machine backups

› Achieve higher RTOs

› Build a test/dev environment

Create VM without disk

1 → VM

Start Recovery

Read

Director **2** → Transporter ← **3** ← Backup Repository

4 Expose as iSCSI targets and mount as disks on target hosts

Target Server

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Full Physical to Virtual

Full recovery of of physical machines
to VMware VMs from backups

› Seamless P2V migrations

› Avoid downtime in case
of physical machine failure

› Reliable protection and recovery
for mixed IT environments

Director

Transporter

Backup repository

Get backup
information

Create physical
backup

Create VM

Transfer data

VM

VMware VM

Virtual disks

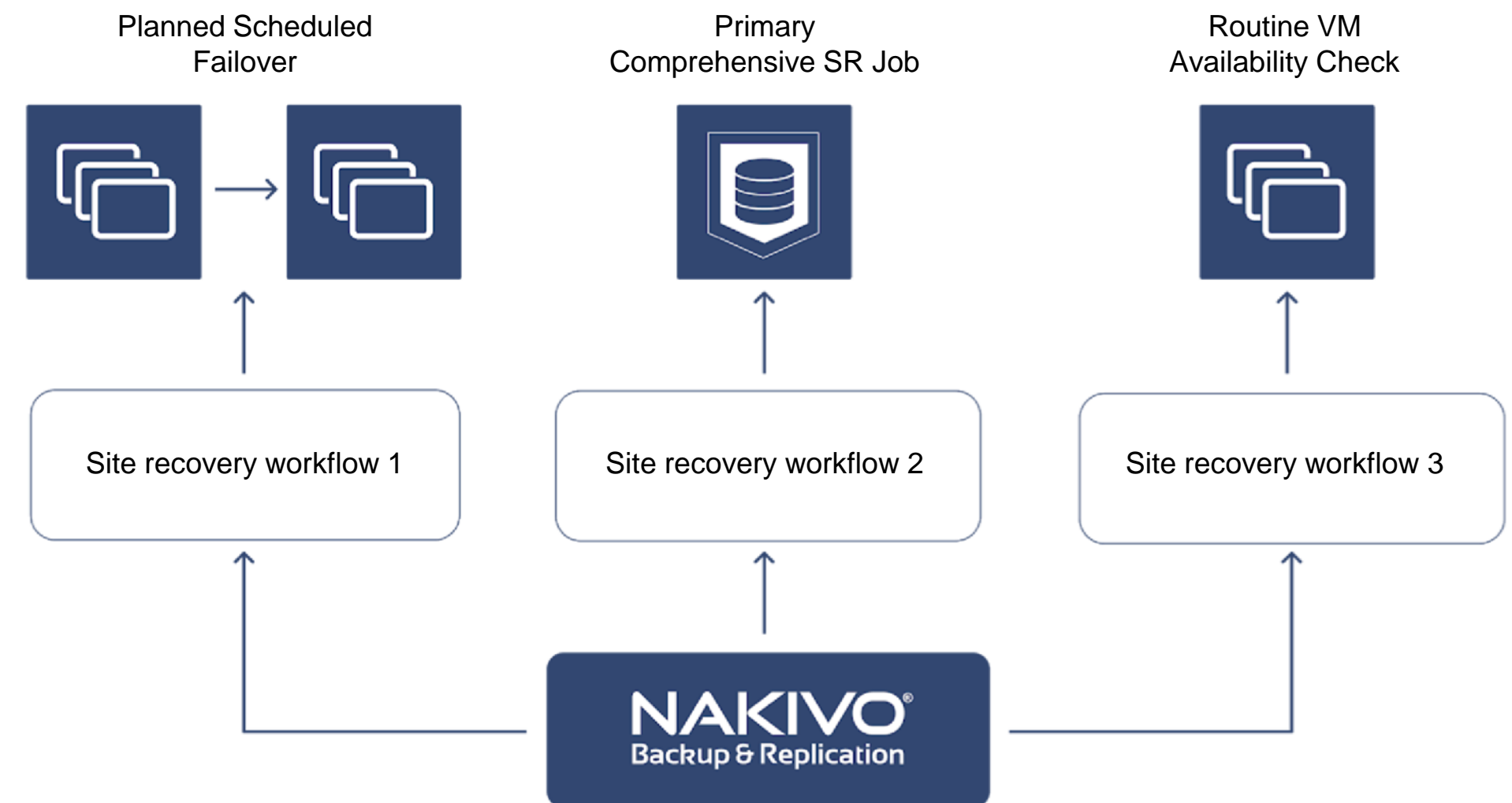**NAKIVO®**

Disaster Recovery
Instant. Automated.

NAKIVO®

Near-Real-Time Replication

› Incremental, image-based, app-aware replication

› Replicates from source VMs or backups

› Creates regular VMs/instances

› Instant recovery: just power on the replica

› Roll back to any of 30 recovery points

vmware®

Microsoft
Hyper-V

aws

NAKIVO®

Site Recovery

› Create multiple disaster recovery workflows

› Set up non-disruptive, scheduled testing

› Decrease downtime by streamlining your disaster recovery activities

Planned Scheduled
Failover

Primary
Comprehensive SR Job

Routine VM
Availability Check

Site recovery workflow 1

Site recovery workflow 2

Site recovery workflow 3

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Backup & Replication

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Pricing
Simple. Affordable.

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Per-Workload Subscription Pricing

	Basic	Pro Essentials	Enterprise Essentials	Pro	Enterprise	Enterprise Plus
Workload*:	-	$25/year	$35/year	$40/year	$60/year	$75/year

SaaS Subscription Pricing

Microsoft Office 365:   **$10** per user/year

*A workload is either a VM, physical machine (1 server or 3 workstations), Oracle database, or Amazon EC2 instance.

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Perpetual Pricing

	Basic	Pro Essentials	Enterprise Essentials	Pro	Enterprise	Enterprise Plus
Virtual:	$99/socket	$199/socket	$299/socket	$399/socket	$599/socket	$899/socket
Physical Server:	-	$50/server	$69/server	$80/server	$110/server	$150/server
Physical Workstation:	-	$17/workstation	$23/workstation	$27/workstation	$37/workstation	$50/workstation
Application (Oracle Database):	-	-	-	-	-	$150/database

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24/7 Support

› Complete 24/7/365 coverage
  via phone, chat and email

› Included with per-workload subscription

› Included with subscription for Microsoft
  Office 365

Trade-In Promotion

› Trade-in prices start at **$180** per socket

› A trade-in purchase of NAKIVO Backup & Replication often costs less than your current budget for maintenance

› NAKIVO annual maintenance fees are likely to be a fraction of your current solution's

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Demo

Ask Me Anything.

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