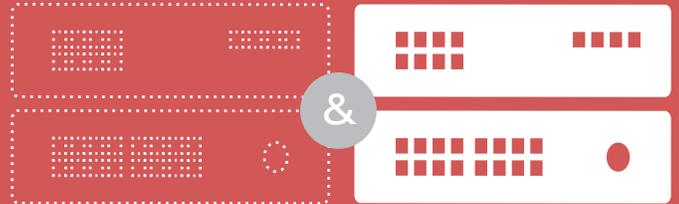# Infrascale™

Data Protection Appliance

The Data Protection Appliance (DPA) is an enterprise-grade backup appliance designed to protect physical and virtual environments. DPA is delivered as a virtual or physical appliance and includes the hardware, backup software, appliance-to-appliance replication software as well as onboarding and technical support. Cloud replication and Disaster Recovery as a Service (DRaaS) functionality can be easily added as optional features.

With DPA you can:

- Recover files, folders and systems quickly and easily
- Reduce backup complexity and costs
- Protect your backups from security threats

DPA delivers the peace of mind that comes with knowing your data isn't just safe and secure but recoverable – fast.
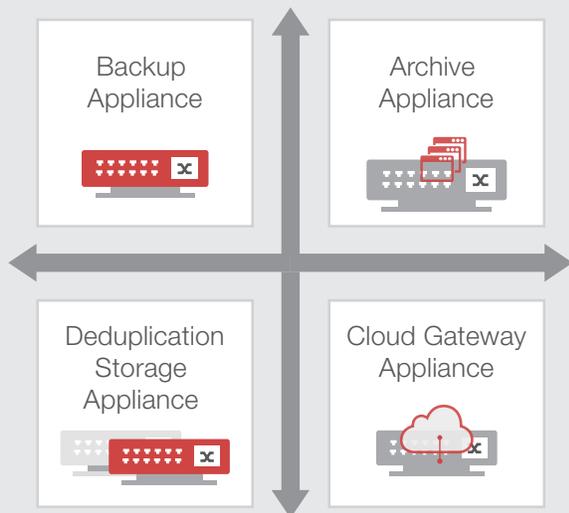
What makes DPA different?

The Data Protection Appliance takes the best features found in disparate backup, recovery, and archive solutions and combines them into one complete data solution. From protecting physical and virtual environments to recovering files and application in minutes, the DPA is the best data protection Swiss Army Knife IT can buy.

OLD WAY

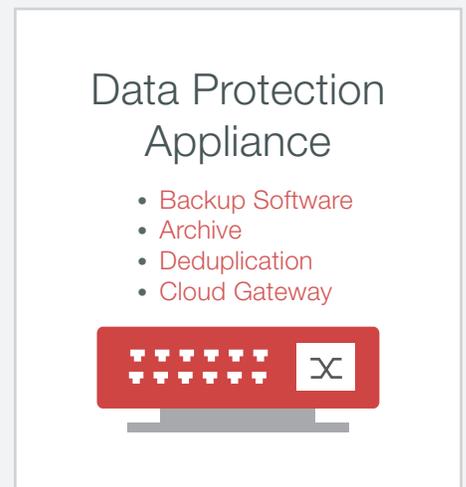#### 4 Needs: 4 Appliances

Backup Appliance

Archive Appliance

Deduplication Storage Appliance

Cloud Gateway Appliance

NEW WAY

4 Needs: 1 Appliance

Data Protection Appliance

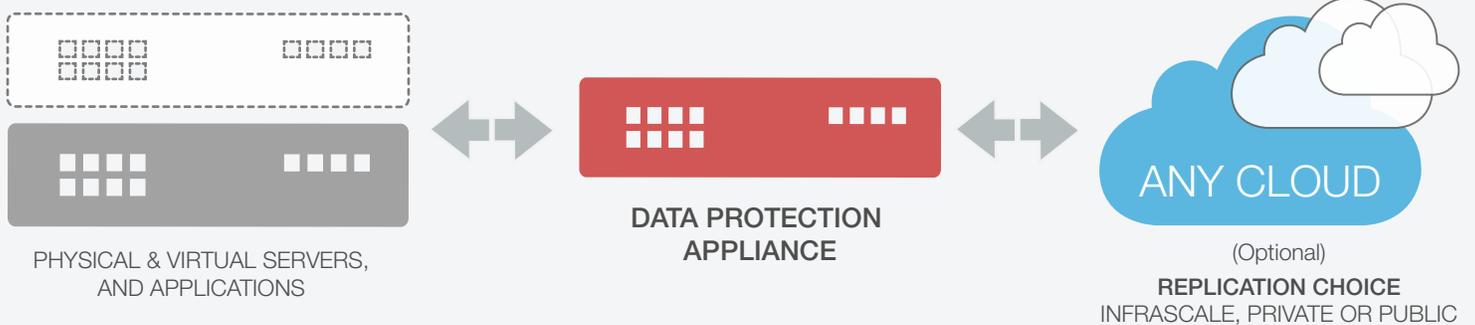- Backup Software
- Archive
- Deduplication
- Cloud Gateway

How it Works

DPA backs up and stores a primary copy along with older versions onsite for fast recovery in seconds. It has a centralized dashboard that lets you add devices, view backup progress, manage storage space, make configuration and scheduling adjustments and build recovery media for bare metal restores.

Unlike software-based backup solutions, DPA protects data using standard networking protocols from computers and servers running a wide range of operating systems. Data can be replicated to a secondary appliance or optionally to a variety of clouds, including your cloud (private cloud), our cloud, or any cloud (e.g., Amazon AWS or Windows Azure).

PHYSICAL & VIRTUAL SERVERS, AND APPLICATIONS

DATA PROTECTION APPLIANCE

ANY CLOUD

(Optional)
REPLICATION CHOICE
INFRASCALE, PRIVATE OR PUBLIC

Backup, Just that Simple

Some like to use complicated words like "hyper-converged." We like to keep things simple. And that includes your backup. DPA delivers simplicity, security, and affordability in a single, all-in-one solution.

PROTECT AND RECOVER

Recover files and applications in seconds

- **VM Aware:** Backup unlimited VMware or Hyper-V machines simultaneously with host-level technology.
- **Built-In Deduplication:** Advanced block level deduplication reduces on-premise storage by up to 10X.
- **Bare Metal Restores:** Recover entire systems to new or existing hardware with image-based backup.
- **Exchange Granular Recovery:** Recover individual mailboxes, folders, messages, attachments, calendar items, notes, and tasks directly to your production Exchange Server.

PROTECT EVERYTHING. REALLY.

Protect your data no matter where it roams

Mixed environments are the new normal. DPA protects physical and virtual environments, including Windows, Unix, Linux, AIX, VMware, and Mac. And now dispersed organizations get the benefit of managing their entire network with DPA, via a single cloud-based management console, simplifying global data protection.

APPLIANCE-TO-APPLIANCE FAILOVER

Fast Recovery with Offsite Protection

The DPA is a wickedly fast DR solution for appliance-to-appliance replication and redundancy. Now, you can have local and offsite protection for data and applications with granular backup and recovery. Plus, by storing your data offsite, DPA helps you meet compliance mandates with data retention policies and regulations such as HIPAA, SOX, FINRA, GLBA, CJIS, and others.

SECURE YOUR BACKUPS

Keep your data safe and secure

As recent attacks have shown, your backups present a fat, juicy target for hackers. With DPA, you get secure (AES encryption) replication between paired appliances.

AFFORDABLE, YET POWERFUL

Everything you want at a price even a CFO would love

Instead of separate software packages and accompanying hardware, a single DPA delivers backup, recovery, archive, data deduplication, WAN acceleration, cloud gateway and security functionality all for one low price. Save even more with our virtual Data Protection Appliance, a pure software solution, which is simple to deploy, manage, and scale. Transform your backup without disrupting your business. What could be more affordable?

Cloud and DRaaS Ready

Not ready for the cloud today? No worries, DPA is cloud and DRaaS ready giving you the flexibility to upgrade to cloud storage and disaster failover with your DPA investment.

UNLIMITED CLOUD STORAGE

The DPA was built for the cloud. If you opt for cloud storage, the DPA becomes a powerful hybrid solution that delivers increased uptime, reduced hardware costs, and protects against data theft and loss. You can upload an unlimited amount of backups to the cloud, far in excess of the on-device storage capacity, and eliminate the traditional risks of mis-sizing your appliance because of the ability to automatically spillover data from the appliance to the cloud.

DRaaS ON YOUR TERMS

DPA is DRaaS-ready. Infrascale's DRaaS option delivers rapid spin-up of VMs on the appliance or within the cloud at a cost significantly lower than building and managing your own off-site DR. When your servers fail or disaster strikes, spin up to 200 VMs concurrently in 15 minutes or less keeping your business available.

YOUR CLOUD, OUR CLOUD, ANY CLOUD

Our cloud, your cloud, any cloud, with DPA there is freedom of cloud choice – no vendor lock-in of your data. Seamlessly integrates with your existing DPA investment and improving your time to deploy from days to minutes. Our cloud provides data sovereignty with twelve data centers worldwide.

TRIPLE LAYER ENCRYPTION AND THE KEY

With failover or cloud services, you get endpoint encryption. Infrascale has unique UltraSafe technology that uses private key encryption along with double blind encryptions so only you can view or decrypt your data in the cloud. No matter what cloud your data is in, Infrascale prevents others (vendor, government, hackers) from accessing your data.

WAN ACCELERATION

Infrascale uses a variety of WAN acceleration technologies including traffic shaping, over-the-WAN deduplication, and resilient-resumption technology to reduce the number of packets sent over the wire and increase your throughput to the cloud.

Infrascale™

DPA to Fit Any Need

High-end "integrated" backup appliances are usually just third-party software applications slapped onto a server with limited models sizes to meet your exact needs. With DPA, you can safely protect two to over 200 TBs per appliance -- so you can start small and grow to very large on-premise storage configurations.

Feature/Model	1200 Series	1500 Series	2700 Series	4500 Series	9500 Series
Storage size	4 TBs	2-8 TBs	9-36 TBs	20-80 TBs	44-176 TBs
Backup speed (Bonded 1 GB Ethernet)	150 GBs per hr.	200 GBs per hr.	700 GBs per hr.	1 TB per hr.	1 TB per hr.
Backup speed (10 GB Ethernet)	n/a	n/a	1 TB per hr.	1 TB per hr.	1 TB per hr.
CPU	Intel Multi-Core				
Memory	16 GBs	16 GBs	32 GBs	48 GBs	96 GBs
1 GB Ethernet ports	2	2	4	6	6
10 GB Ethernet ports	n/a	n/a	2 (optional)		
RAID level	n/a	5	6	5, 6	5, 6
Hard disk drives	1	4	12	24	48
Form factor	1U	1U	2U	2U	9U
Power supplies	1	1	2	2	4

About Infrascale

Infrascale is a provider of the most powerful disaster recovery solution in the world. Founded in 2006, the company aims to give every company the ability to recover from a disaster- quickly, easily and affordably. Combining intelligent software with the power of the cloud is how Infrascale cracks the disaster recovery cost barrier without complex, expensive hardware enabling any company to restore operations in less than 15 minutes with a push of a button. Infrascale equips businesses with the confidence to handle the unexpected by providing less downtime, greater security, and always-on availability.

Each year, Gartner identifies new Cool Vendors in key technology areas and publishes a series of research reports highlighting these innovative vendors and their products and services. Infrascale has been designated as a Cool Vendor for Business Continuity and Disaster Recovery for 2015.