



# Product overview

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## > Industry challenges

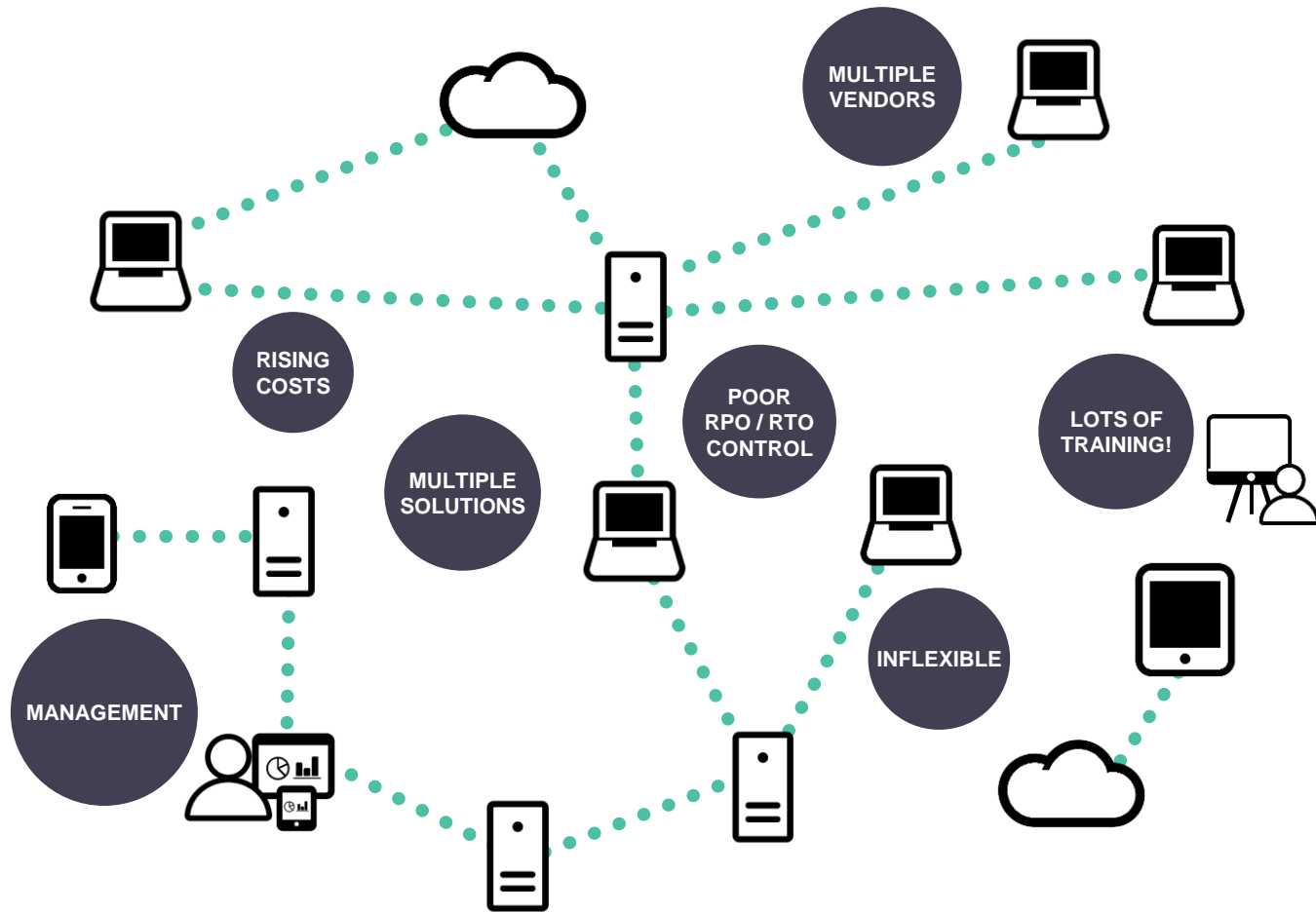


Gartner states: “Between 2012 and 2016, **one third** of organizations will change backup vendors due to frustration over cost, complexity and/or capability.”

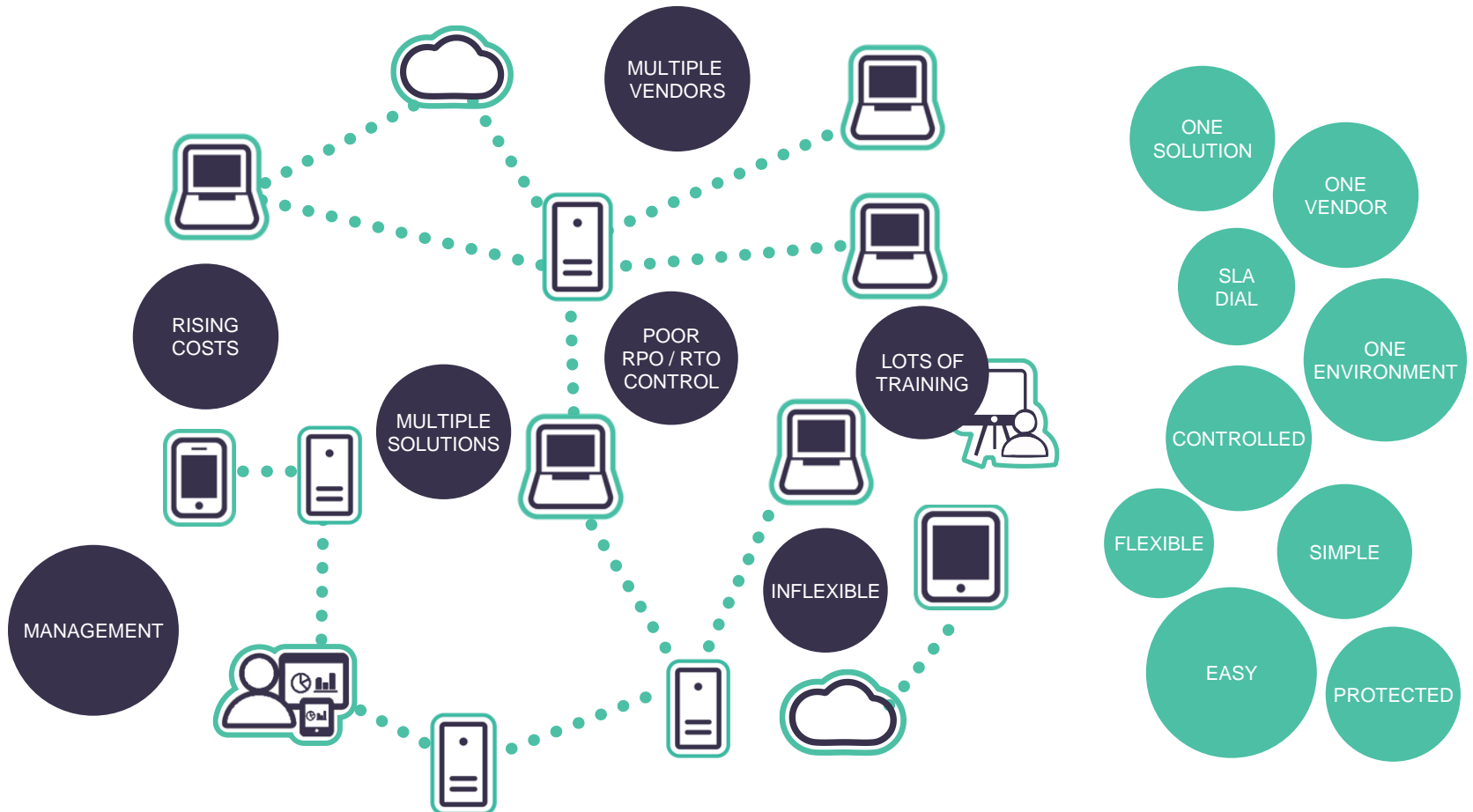


Source: Gartner, “Magic Quadrant for Enterprise Backup/Recovery Software”, Dave Russell, Pushan Rinnen, 5 June 2013

## > The challenge



## > The solution



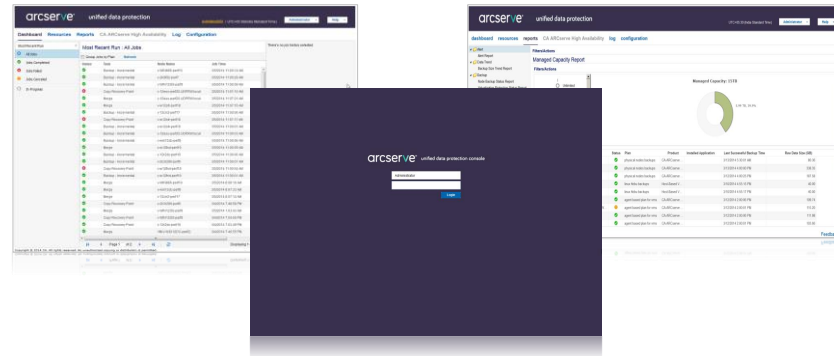
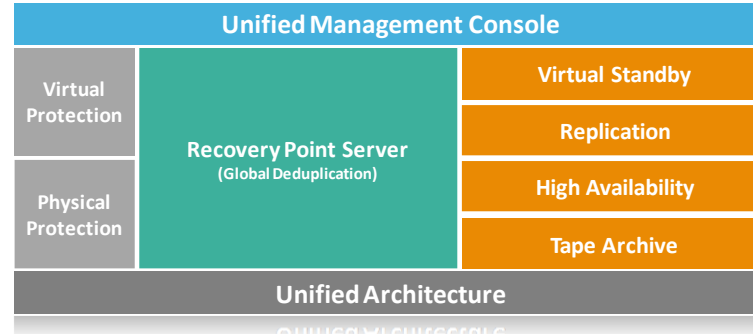
# > Product overview

## Arcserve® UDP

NEW

### Fast, simple, efficient next-generation data protection & availability

- Unified management console, with simple plan-based data protection policies
- Host-Based, agentless backup for vSphere & Hyper-V
- Global deduplication, encryption, compression, WAN optimized replication (**Up to 4x faster**) & **D2D recovery point migration**
- Local/Remote Virtual Standby, BMR & Full System High Availability & tape backup
- Supports Exchange, SQL (**AAG**), File Server, IIS, **AD**, **Oracle**, **PSQL**, vSphere (**VSAN**) Hyper-V (**CSV**), **MSCS**, RedHat, CentOS, SUSE, Amazon, Azure etc.
- Application consistent backup & granular restores
- Centralized reporting & alerting

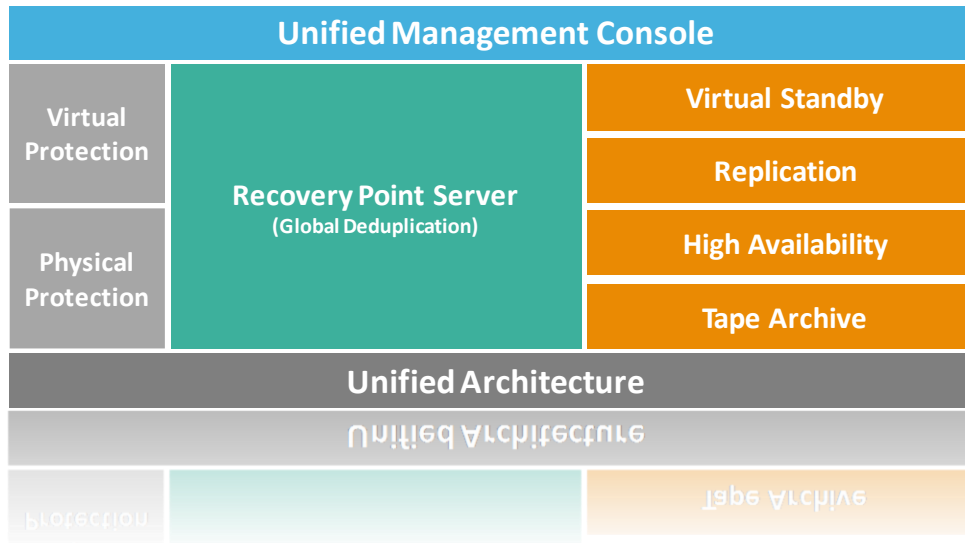


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- Solutions
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## > Arcserve® UDP architecture elements



### End Point Protection

- Agentless, single pass backup for virtual host protection
- Hybrid agent for physical system protection with independent local UI and restore or managed centrally

### Recovery Point Server (RPS)

- Global information store
- Global deduplication
- Source-side data reduction
- Built-in replication
- AES encrypted backups
- “Jumpstart” data seeding

### Other Elements

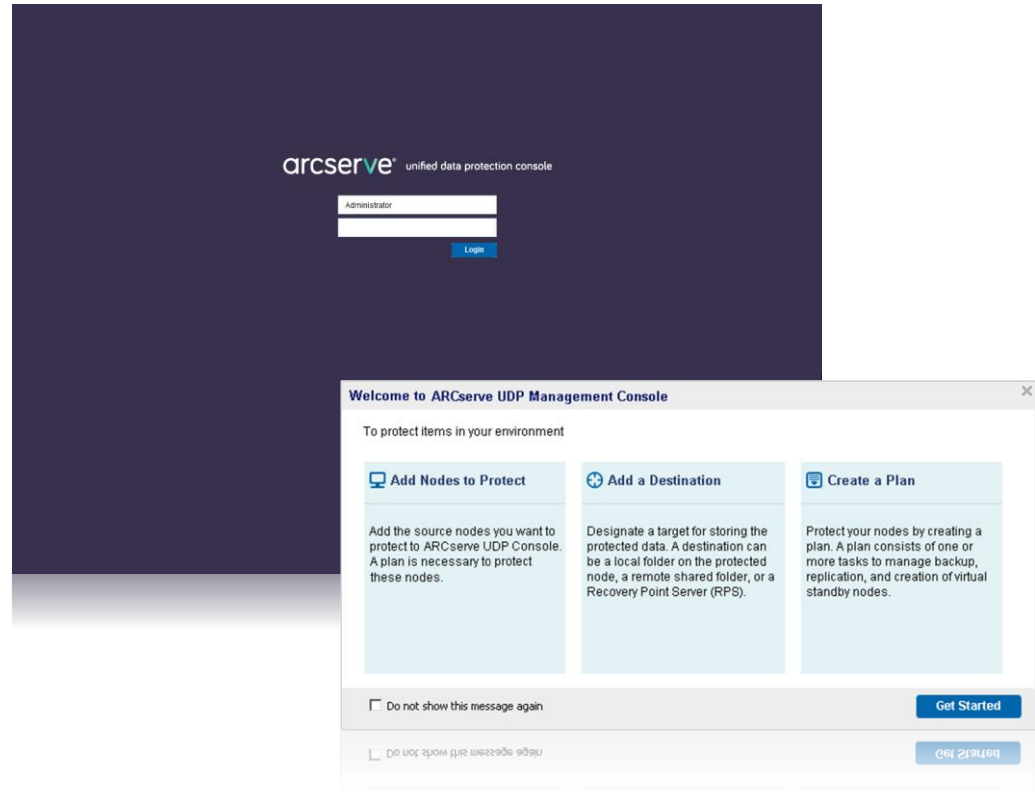
- Central management console to manage thousands of nodes
- Virtual Standby for non-disruptive disaster recovery
- Archive backups/RPS to tape with in-place re-hydration
- Decoupled to scale, added as needed

# > Unified management console

## Arcserve® UDP

### Unified management console

- One, simple, unified management & reporting console, to manage the full data protection lifecycle
- “Getting Started” wizard
- Intuitive workflow based protection strategies, plans & tasks
- Web-based management console enables web browser-based access from anywhere, including mobile devices
- Designed to extend with 3rd party integrations
- Detailed reporting & logs



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# > Plan-based data protection

## Arcserve® UDP

### Plan-Based Data Protection

- A backup plan enables one or more data protection tasks to be run automatically
- Example tasks include: -
  - Host-Based Agentless Backup
  - Agent-based Windows Backup
  - Recovery Point Server Replication
  - Remote replication
  - Copy Recovery Point
  - Virtual Standby
  - File Copy
- Each task includes a set of activities to define the source, destination, schedule, advanced parameters etc.
- Workflow engine enables integration with future modules & 3rd Parties

The screenshot displays the Arcserve Unified Data Protection (UDP) web interface. The top navigation bar includes 'arcserve unified data protection', the time 'UTC+05:30 (India Standard Time)', and user roles 'Administrator' and 'Help'. The main menu has 'dashboard', 'resources', 'report', 'log', 'configuration', and 'high availability'. The primary view is 'Modify a Plan' for 'Windows Plan', with options to 'Pause this plan', 'Save', 'Cancel', and 'Help'. Below this, 'Task1: Backup, Agent-Based Windows' is shown with a 'Delete Task' button. The 'Source' tab is active, showing 'Node Name' as '5Y1123-X5' and 'VM Name'. A 'Protection Type' dropdown is set to 'Replicate'. A 'Task2: Replicate' section is visible with an 'Add Task' button. An 'Add New Replication Schedule' dialog box is open, showing 'Start Time' as '6:00 AM' and 'Until' as '6:00 PM'. The dialog includes options for 'Numbers of Recovery Points to Retain at its Custom, Daily, Weekly, and Monthly Backups are' and a 'Help' button. The footer contains copyright information: 'Copyright © 2014 CA. All rights reserved. No unauthorized copying or distribution is permitted.' and a 'Feedback' link.

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# > Recovery point server

## Arcserve® UDP

### Recovery Point Server, capacity optimized backup

- Recovery Point Server (RPS) helps optimize storage requirements, bandwidth usage & accelerates protection & recovery across sites
- Provides global deduplication: Data is deduplicated across nodes, jobs & sites
- WAN optimized replication: 1-2-many & many 2-1
- Jumpstart: Data seeding to speed remote site deployment
- Reduces load on production systems, by offloading merge & backup catalog generation to RPS system
- In place re-hydration of data for fast granular restore (including restores from tape)

The screenshot displays the Arcserve unified data protection interface. The main content area is titled "Destinations: Recovery Point Server" and contains a table with the following data:

Name	Plan Count	Data Protected	Deduplication	Compression	Overall
wanle05-2k&r2-3					
ds-max-compress	1	61.34 GB	67%	37%	79%
ds-no-compress	0	6.53 GB	N/A	N/A	N/A
ds-std-compress	0	51.93 GB	74%	32%	82%
wanle05-42012-2					
dedup-cls	2	371.33 GB	70%	28%	79%
ds	0	32.17 GB	38%	26%	55%
ds-noocompress	1	54.47 GB	67%	N/A	67%
max-compress	0	400.03 GB	N/A	79%	79%

On the right side of the interface, there is a "Get Started" panel with options like "Add Nodes to Protect", "Add a Destination", and "Create a Plan". Below this, a detailed view for "wanle05-2k&r2-3 > ds-max-compress" shows the status as "Running" and provides resource usage metrics: Backup Destination (317.4 GB free of 998.8 GB), Data destination (317.4 GB free of 998.8 GB), Index destination (317.4 GB free of 998.8 GB), Hash destination (317.4 GB free of 998.8 GB), and Memory allocation (476.7 MB free of 4 GB). A "View Logs" link is also present.

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## > Block-level incremental backup

### Arcserve® UDP

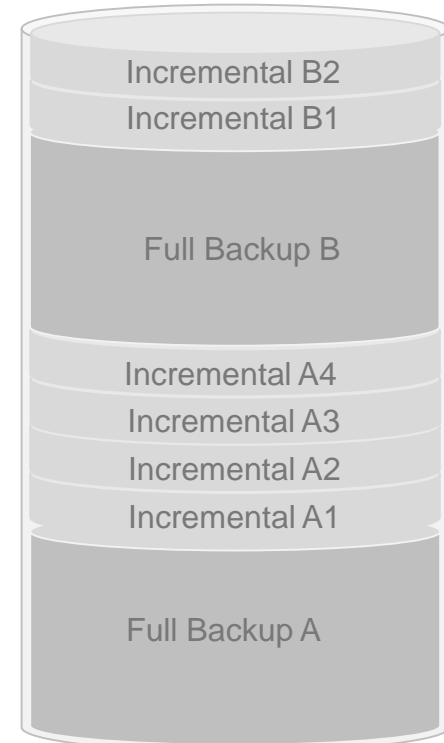
#### Block level infinite incremental (I<sup>2</sup> Technology)<sup>TM</sup>

- Eliminates the need for second full backup
- Uses less disk space and network bandwidth
- Works in conjunction with deduplication, to improve capacity savings
- Ideal for cloud or remote site protection
- Significant backup job merge performance improvements, as only the deduplication index file needs to be updated, when duplicate recovery point data exists

#### I<sup>2</sup> Technology



#### Traditional Solution



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# > Built-in replication

## Arcserve® UDP

NEW

### Built-in replication

- Proven block-based RPS to RPS replication
- Data can be replicated to multiple RPS servers
- Unidirectional communication via HTTP tunnelling to eliminate configuration issues with NAT & firewalls
- Restart failed jobs at last block
- Advanced scheduling & differential retention
- Concurrent job support
- Supports compressed, encrypted & de-duplicated backups
- Up to **4x performance improvement** for WAN based replication scenarios

The screenshot displays the Arcserve unified data protection web interface. The top navigation bar includes 'arcserve unified data protection', the current time 'UTC+05:30 (India Standard Time)', and user roles 'Administrator' and 'Help'. Below the navigation bar, there are tabs for 'dashboard', 'resources', 'report', 'log', 'configuration', and 'high availability'. The main content area is titled 'Modify a Plan' and shows a 'Windows Plan' with a 'Pause this plan' checkbox and 'Save', 'Cancel', and 'Help' buttons. A task list on the left shows 'Task1: Backup, Agent-Based Windows' and 'Task2: Replicate'. The 'Task2: Replicate' task is selected, showing a 'Task Type' dropdown set to 'Replicate' and a 'Delete Task' button. Below this, there are tabs for 'Source', 'Destination', 'Schedule', and 'Advanced'. The 'Schedule' tab is active, showing an 'Add' dropdown menu with options: 'Add Replication Job Schedule', 'Add Replication Merge Schedule', and 'Add Replication Throttle Schedule'. A calendar grid is visible with days 'Su', 'Mo', 'Tu', 'We', 'Th', 'Fr', 'Sa', and 'Time'. Below the calendar, there is a section titled 'Numbers of Recovery Points to Retain at Replication Destination' with a note: 'Custom, Daily, Weekly, and Monthly Backups are defined by their corresponding schedules in the Backup task.' There are input fields for 'Custom' (value 31), 'Daily', 'Weekly', and 'Monthly'. At the bottom, there is a copyright notice: 'Copyright © 2014 CA. All rights reserved. No unauthorized copying or distribution is permitted.' and a 'Feedback' button.

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# > Advanced scheduling and retention

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## Advanced scheduling, retention & throttling control

- Define backup time, throttling & merge tasks by day of the week
- Create detailed retention schedules for daily, weekly & monthly backups
- Exclude certain days of the week from daily backup schedules
- Retention plans unique to each RPS
- Disable / pause backup schedule

The screenshot displays the Arcserve unified data protection web interface. The main area shows the configuration for a backup plan named 'James's Laptop Protection Plan'. A table lists several backup tasks:

Type	Description	Su	Mo	Tu	We	Th	Fr	Sa	Time
Custom	Custom Incremental Backups Every 1 Hours		✓	✓	✓	✓	✓	✓	10:00 AM - 4:0...
Daily	Daily Incremental Backup		✓	✓	✓	✓	✓	✓	5:00 PM
Weekly	Weekly Incremental Backup						✓	✓	10:00 AM
Monthly	Monthly Incremental Backup							✓	

An 'Edit Backup Schedule' dialog box is open, showing the following configuration:

- Backup Type: Incremental
- Start Time: 12:00 AM
- Repeat: Every 3 Hours
- Until: 11:00 PM
- Days: Monday, Tuesday, Wednesday, Thursday, Friday (checked)

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# > Agentless backup for VMware & Hyper-V

Arcserve® UDP NEW

## Fast, simple, agentless backup for VMware & Hyper-V host environments

- Enables single-pass backup of all VMs, without the need to install software agents
- Only backs up changed blocks
- Integrates with Hyper-V & VMware API's (For **VM discovery**, events, vStorage etc.)
- Supports VMware vSphere (**VSAN**) Hyper-V Server 2012 & 2012 R2 (**CSV**)
- Application consistent Backup (Exchange, SQL, AD etc.) & transaction-log purge
- Easily recover individual files & folders from within each VM
- Centralized node, group & plan management from UDP Console

The screenshot displays the Arcserve unified data protection console. The main window shows a list of nodes under the 'Hyper-V' group, including 'Hyper-v-guest' and 'linux-guest'. A 'Backup Status Monitor' window is open, showing the progress of an incremental backup for 'hyper-v-guest'. The progress bar is at 100% (56.00 MB of 56.00 MB). The backup details are as follows:

Property	Value
Phase	Creating and saving catalog job script
Start Time	4/25/2014 10:14:23 AM
Elapsed Time	00:00:08
Estimated Time Remaining	0
Current Disk	HYPER-V-GUEST.VHDX
Protection	Password Protected
Deduplication	Enabled
Compression Level	Standard Compression
Deduplication Percentage	96.58%
Compression Percentage	73.28%
Overall Data Reduction Percentage	99.09%

The Backup Status Monitor window also shows throughput information: Throughput Limit is 'No limit' and Throughput is '0 MB/Minute'.

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## > Local & remote virtual standby

### Arcserve® UDP

#### Local & remote virtual standby

- Periodic, image-based system, application & data protection for physical servers & VMs
- Replicate to remote location (remote office, DR site, MSP & Cloud)
- Run recovery point conversion into VHD or VMDK formats at the remote site to a virtual server
- Register with Hypervisor
- Server heartbeat monitoring
- Automated or manual failover to remote resources

The screenshot displays the Arcserve unified data protection web interface. The top navigation bar includes 'arcserve unified data protection', the current time 'UTC-08:00 (Pacific Daylight Time)', and user roles 'Administrator' and 'Help'. Below the navigation bar, there are tabs for 'dashboard', 'resources', 'report', 'log', 'configuration', and 'high availability'. The main content area is titled 'Modify a Plan' and shows a plan named 'Windows Plan'. The 'Task Type' is 'Virtual Standby'. The interface is divided into sections: 'Source', 'Virtualization Server', 'Virtual Machine', and 'Advanced'. The 'Advanced' section is currently active, showing options for 'Automatically start the Virtual Machine' (set to 'No'), 'Heartbeat Properties' (Timeout: 30 seconds, Frequency: 5 seconds), 'Enable Email Alerts' (checked), and 'Job Alerts' (with several unchecked options). At the bottom, there is a copyright notice for 2014 CA and a 'Feedback' link.

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# > Full system high availability

## Arcserve® UDP

### Full system high availability

- Integrated with Arcserve UDP console
- Protects Windows & Linux systems (OS, Apps, Data)
- Continuous full system replication enables near-instant recovery of entire system including business applications, files & data
- Automated DR testing and/or push-button fail-over, fail-back
- WAN optimized replication & jumpstart data seeding, for remote sites
- Supports P2V, cross-hypervisor V2V & V2P failback via BMR
- Supports DAS, SAN, NAS & cloud storage

The screenshot displays the Arcserve unified data protection interface. The top navigation bar includes 'dashboard', 'resources', 'report', 'log', 'configuration', and 'high availability'. The main content area is titled 'Scenarios: Full System HA to Hyper-V'. It features a table with columns for Name, Changed, Sent Data, Sent Files, Receive..., Receive..., and In Spool. The table lists two scenarios: 'Windows-VA' and 'Hyper-V'. Below the table, there are tabs for 'Events', 'Statistics', and 'Properties'. The 'Events' tab is active, showing a list of events with columns for ID, Node/Scenario, Time, and Event. The 'Details' panel on the right shows configuration parameters for the selected scenario, including Name, State, Product, Server, Mode, RPO, RTO, and Synchronization Progress. The 'Recent Critical Events' section indicates there are no recent critical events.

Name	Changed	Sent Data	Sent Files	Receive...	Receive...	In Spool
Windows-VA	28.90 MB	8.56 GB	0	-	-	0.00 Bytes
Hyper-V	28.59 MB	-	-	8.56 GB	0	0.00 Bytes

ID	Node/Scenario	Time	Event
IR00593	Hyper-V	4/25/2014 11:12:34 AM	The...
SR00202	Hyper-V	4/25/2014 11:12:34 AM	All...
SR00120	Hyper-V	4/25/2014 11:12:31 AM	Sy...
IM00405	Full System HA to Hy...	4/25/2014 11:12:31 AM	Pos...
IR00119	Hyper-V	4/25/2014 11:12:31 AM	Ro...
IR00119	Hyper-V	4/25/2014 11:12:25 AM	Ro...
IR00571	Hyper-V	4/25/2014 11:07:59 AM	The...
IR06001	Hyper-V	4/25/2014 11:07:57 AM	The...
IR03165	Hyper-V	4/25/2014 11:07:46 AM	Initi...

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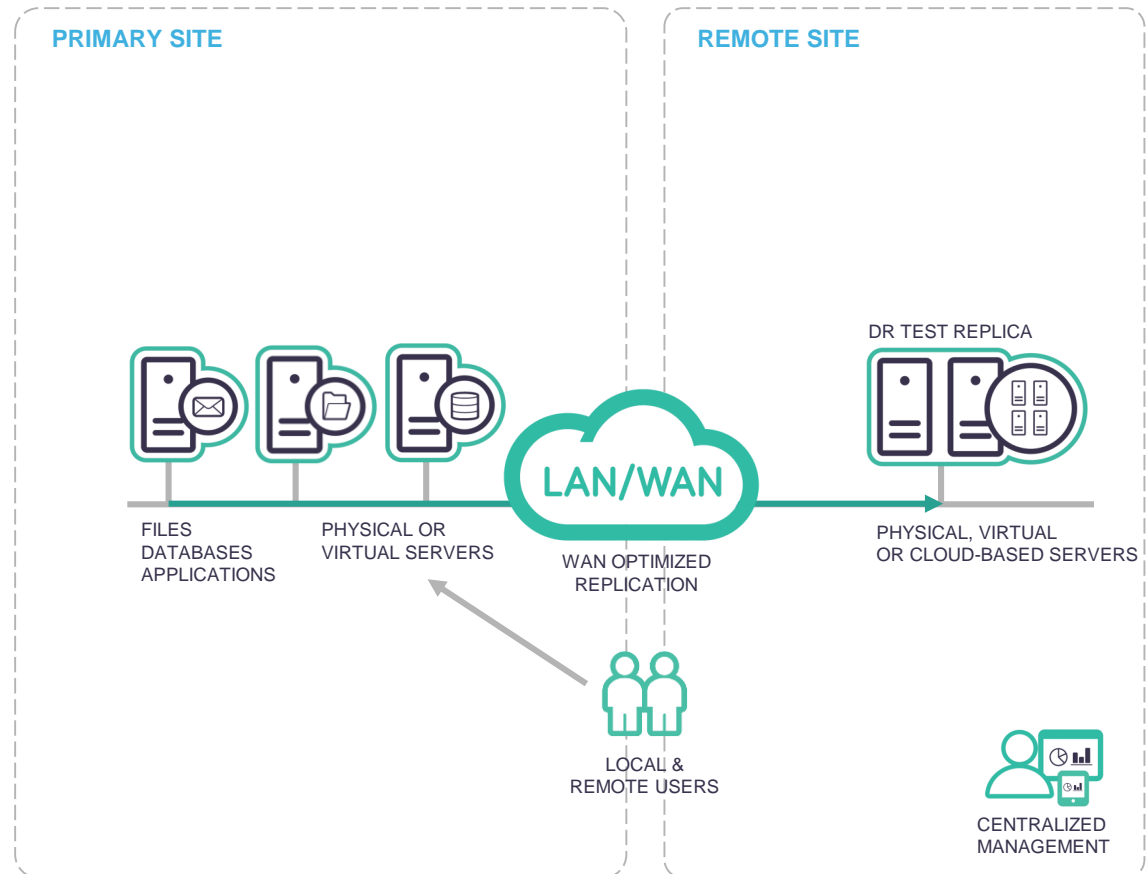
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## > Assured recovery

### Arcserve® UDP

#### Assured Recovery®

- Enables automated disaster recovery testing of business-critical systems, applications & data, on a separate physical, virtual or cloud-based replica server
- Non-disruptive process avoids business downtime and impact to production systems
- Recovery testing can be fully automated, or performed on a scheduled basis, as needed
- Assured Recovery reporting provides evidence of system recoverability for compliance auditors



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# > Jumpstart / data migration

Arcserve® UDP NEW

## Jumpstart data seeding & D2D to RPS data migration

- Offline synchronization accelerates deployment of remote Recovery Point Servers by minimizing data transfers
- Simple, wizard-driven process
- Ideal for environments with limited bandwidth or charge-by-the-usage connections
- Reduce exposure when protecting data offsite
- Supports public clouds such as Amazon, Azure, Rackspace and others that offer data import services, (Requires an RPS in the cloud)
- Can eliminate the need for tape
- Wizard-driven data migration of D2D recovery points into RPS data stores

The screenshot displays the Arcserve unified data protection interface. The main window shows a list of nodes under 'Nodes: All Nodes'. A 'Replication Status Monitor' dialog box is open, showing details for a replication session. The 'Progress' section indicates that 93% (7.63 GB of 8.12 GB) has been received. The 'Saved Bandwidth Percentage' is highlighted in red and shows 97%.

VM Name	Hypervisor	OS
linux-va.ca.local	vSphere	CentOS 4/5/6 (64-bit)
Hyper-v-guest	Hyper-V	Windows Server 2012 Standard
linux-guest	Hyper-V	Red Hat Enterprise Linux Server
windows-va.c...	vSphere	Microsoft Windows Server 2012 (6

Phase	Receiving data
Progress	93% (7.63 GB of 8.12 GB)
Start Time	3/22/2014 12:45:37 AM
Elapsed Time	00:14:19
Estimated Time Remaining	00:01:32
Current Session	1
Start Session	1
End Session	2
Compression Level	Standard Compression
Protection	Discovered Protected
Saved Bandwidth Percentage	97%
Source Recovery Point Server(RPS)	LENPE01-RPS-R
Source data store name	DS3
Target Recovery Point Server(RPS)	spba-arclab10
Target data store name	DS1

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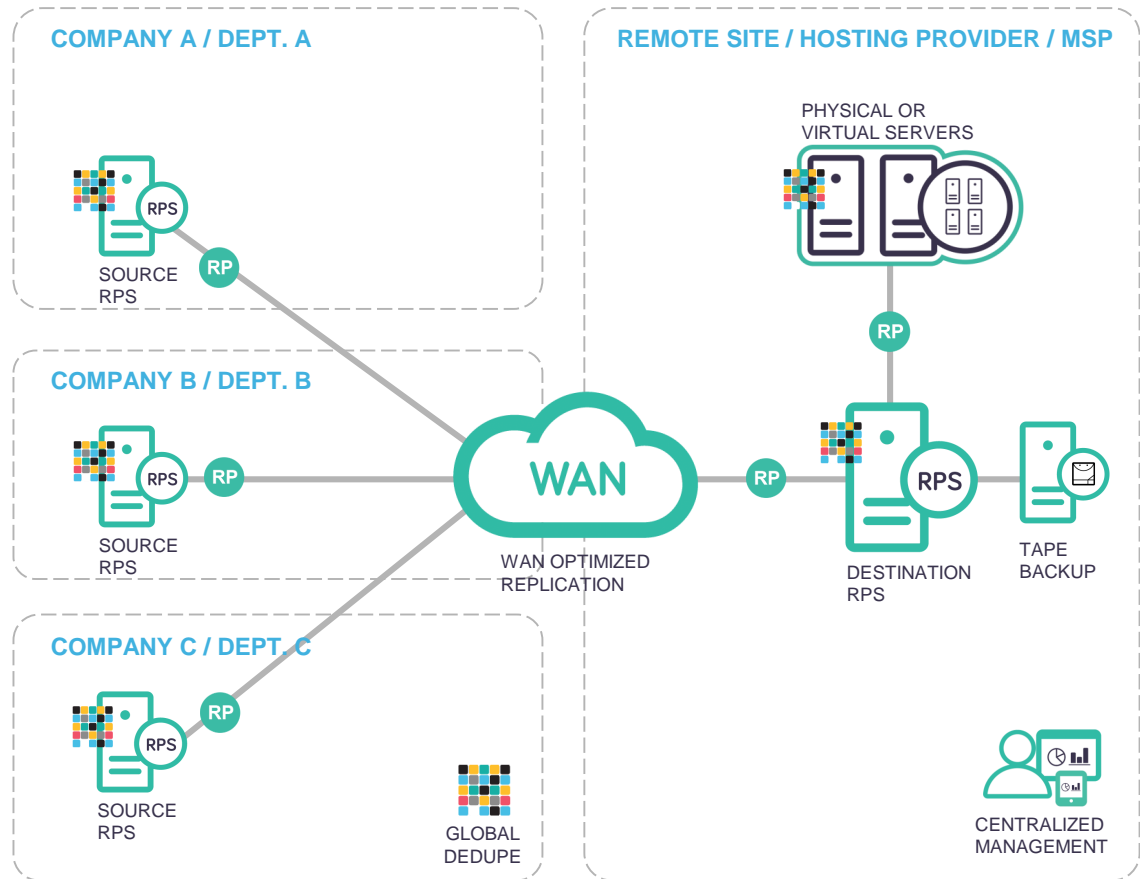
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# > Multi-tenant storage

## Arcserve® UDP

### Capacity optimized, secure, multi-tenant storage

- Global deduplication & compression, across all tenants reduces total storage costs
- Ideal for environments with limited bandwidth or charge-by-the-usage connections
- 256-bit AES encryption provides information security
- Tenant data can be stored in separate RPS datastores, for added security



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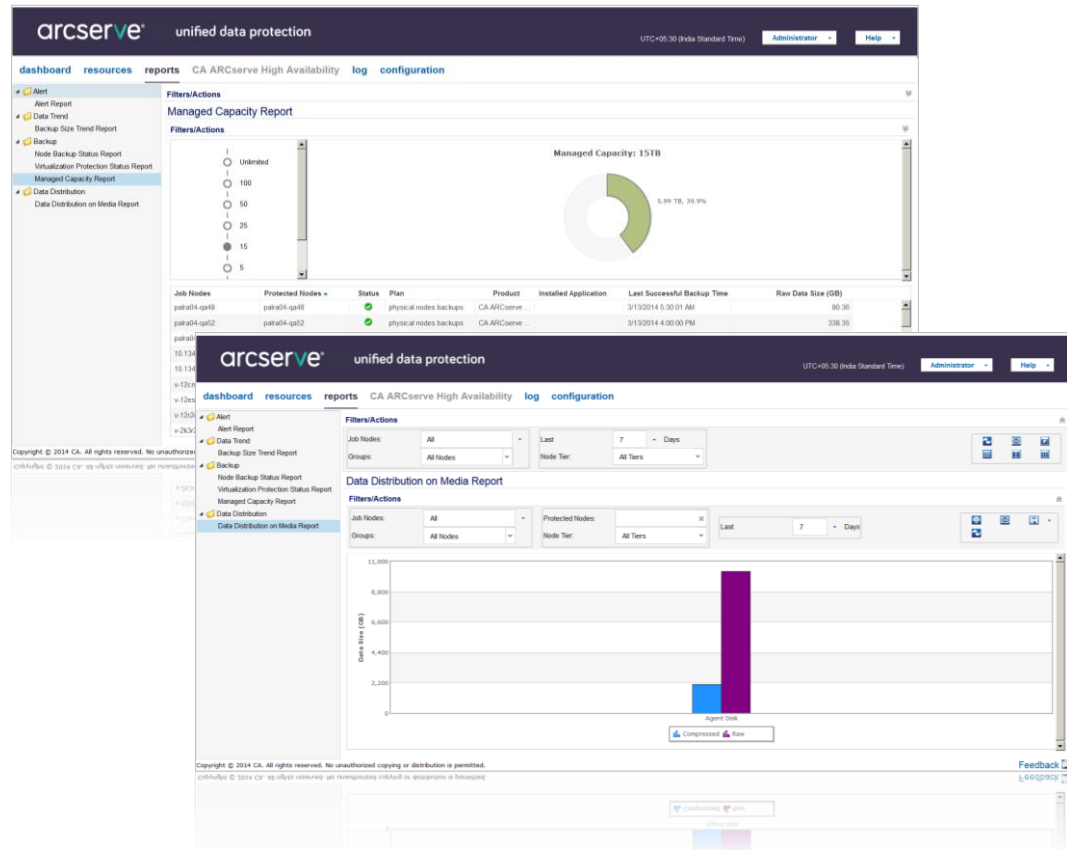
Support

# > Unified reporting

## Arcserve® UDP

### Unified reporting

- Unified reporting for Arcserve UDP & Arcserve Backup:
  - Managed capacity reporting
  - Deduplication reporting
  - Detailed status reports across physical & virtual nodes
  - Backup size trend reporting
  - Virtual Standby reporting
  - Host-based Backup reporting
  - Alert reporting
- Detailed logs
- Schedule the creation & email distribution of reports in multiple formats (PDF, CSV, HTML)



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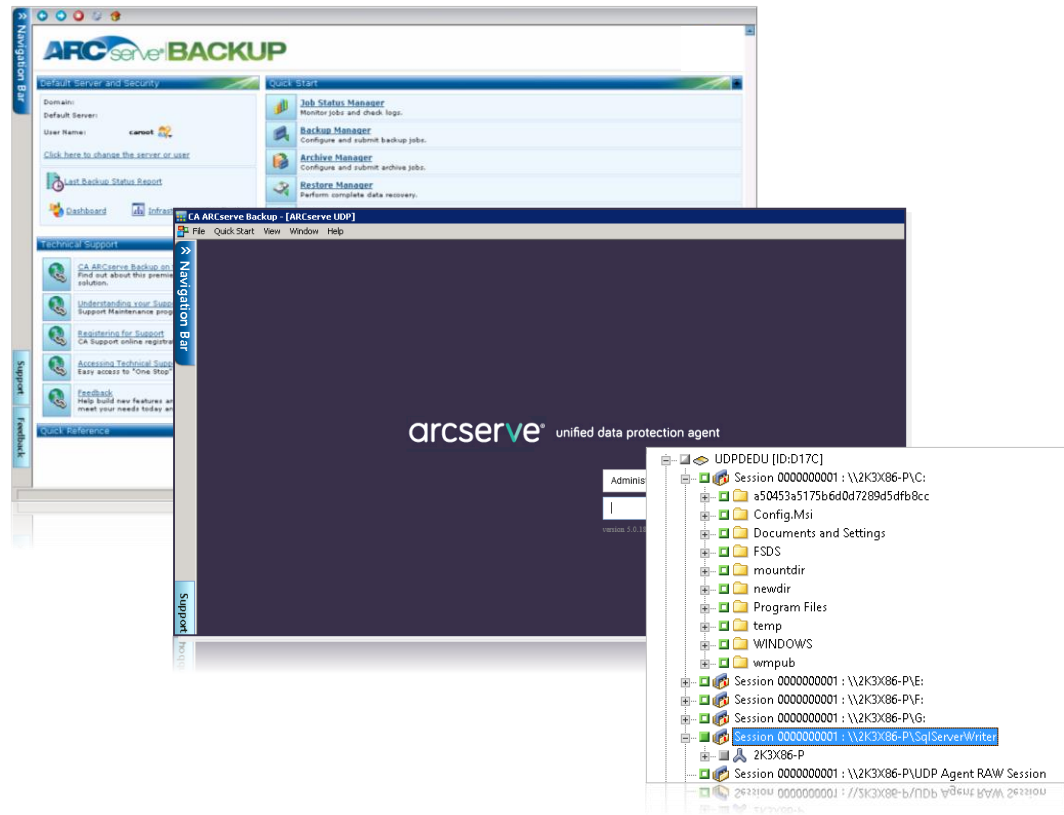
# > Tape archive

## Arcserve® UDP

NEW

### Tape archive

- Migrate RPS recovery points to tape, for archival and/or compliance purposes
- UDP Premium & Premium Plus editions include the full Arcserve Backup functionality: -
- File-based backup to disk, tape & cloud (Amazon, Azure, Cloudian, Eucalyptus, Fujitsu etc.) SRM, file archiving & infrastructure visualization
- Exchange, SQL (Inc. 2014), SharePoint, File Server, IIS, Oracle, Exadata, PSQL, Informix, SAP, Sybase, Lotus, vSphere (VSAN) Hyper-V, Xen, Linux, UNIX, Mac, NDMP etc.
- Application-aware backup & granular recovery
- Centralized mgmt., reporting, alerting & global dashboard



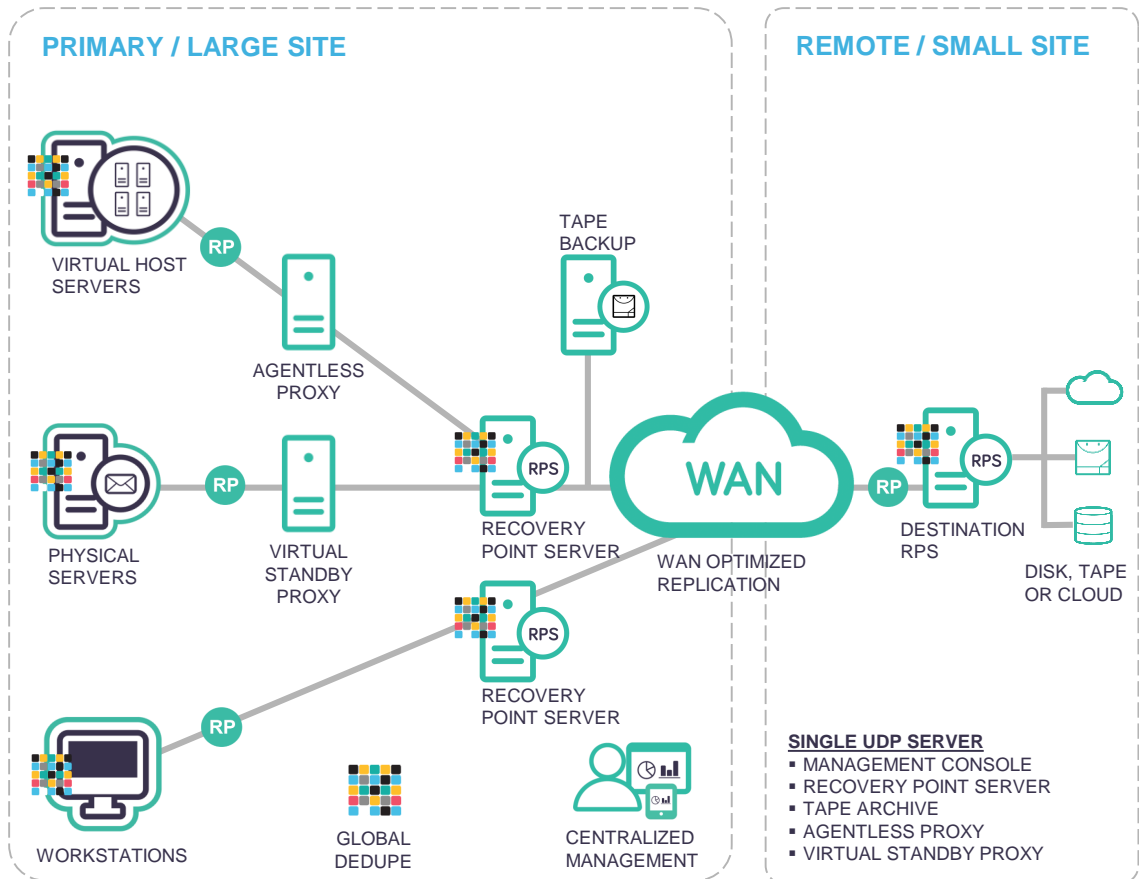
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# > Scales from small to large, distributed environments

## Arcserve® UDP

### Scales from small to large, distributed environments

- For large organizations looking to scale out Arcserve UDP, individual elements or roles can be installed individually to improve performance & scalability
- In smaller organizations or remote offices solution elements or roles can be combined on a single host or node to reduce cost and complexity



Overview

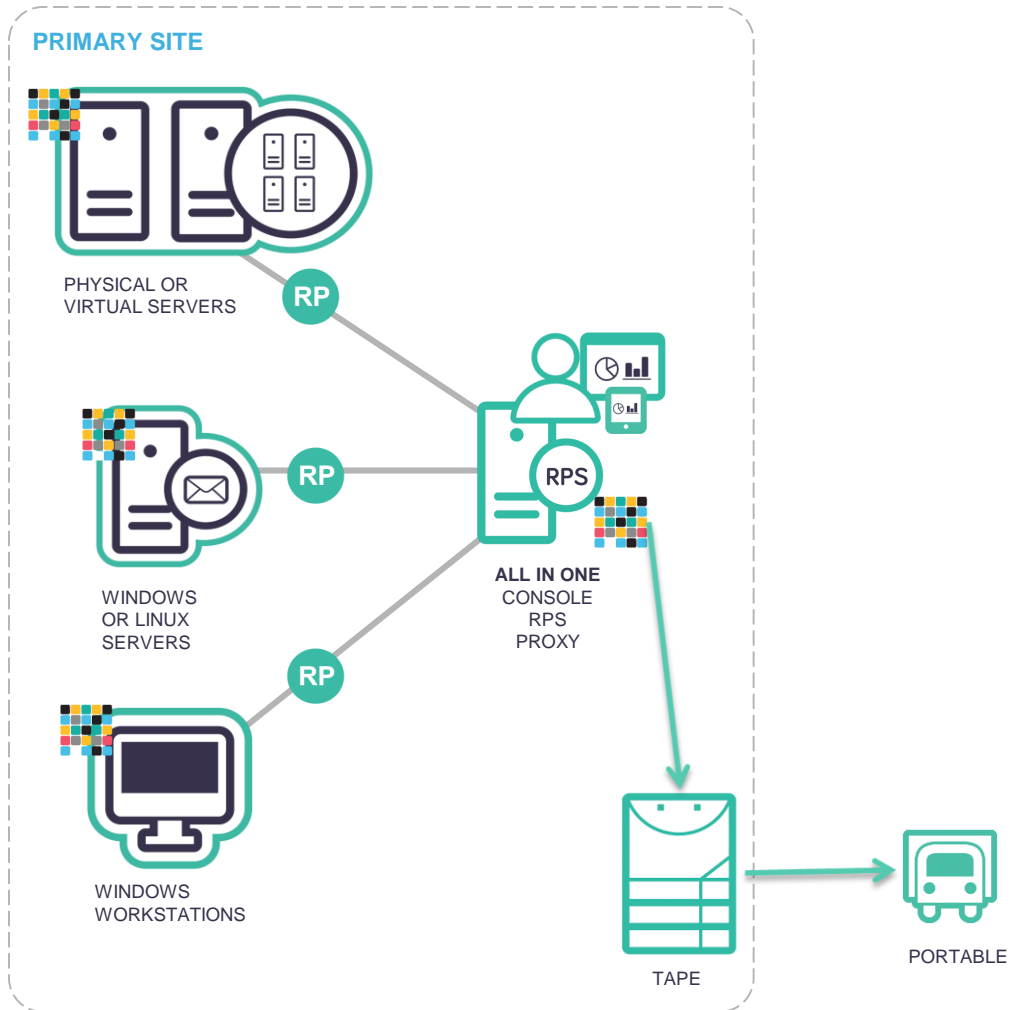
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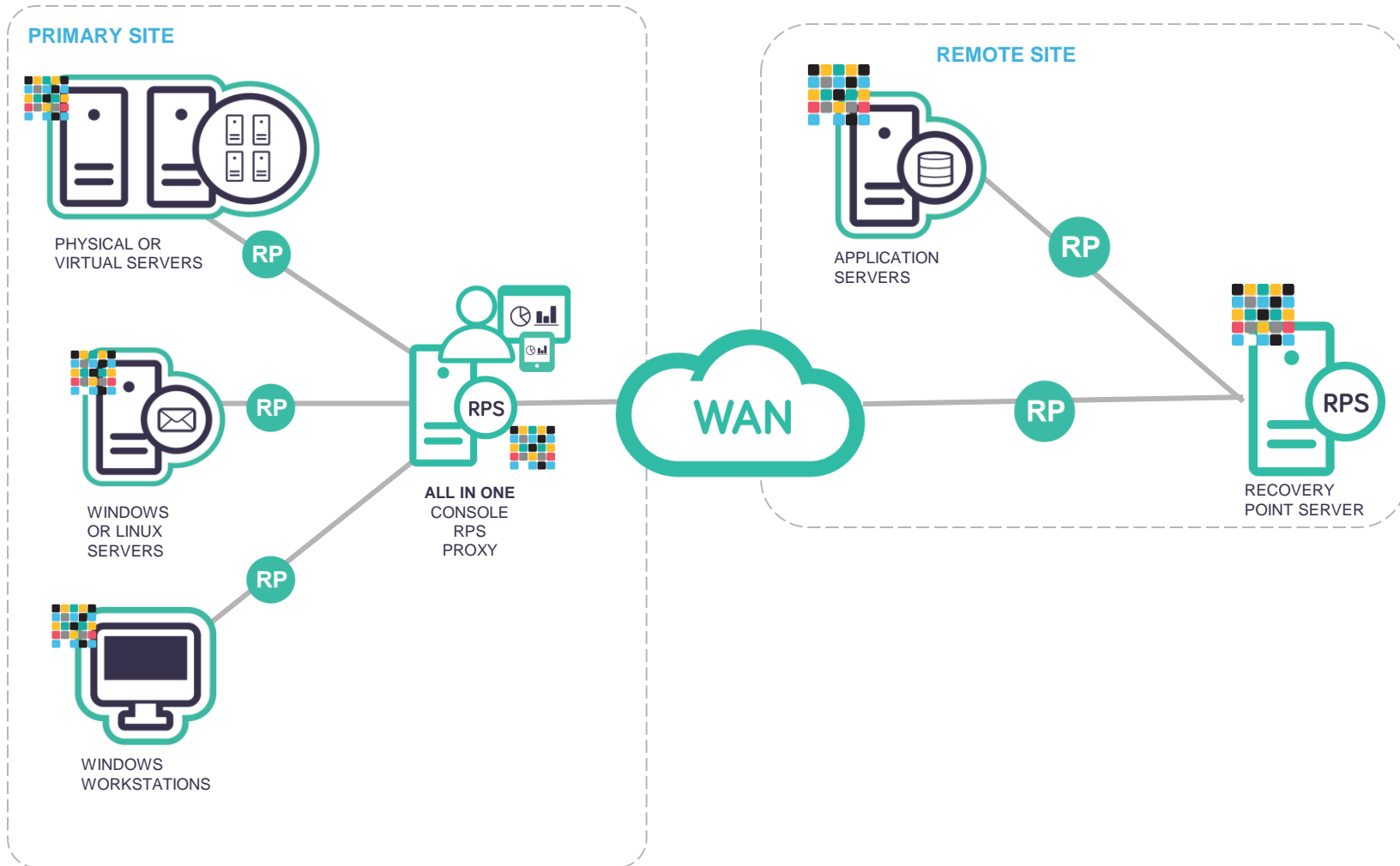
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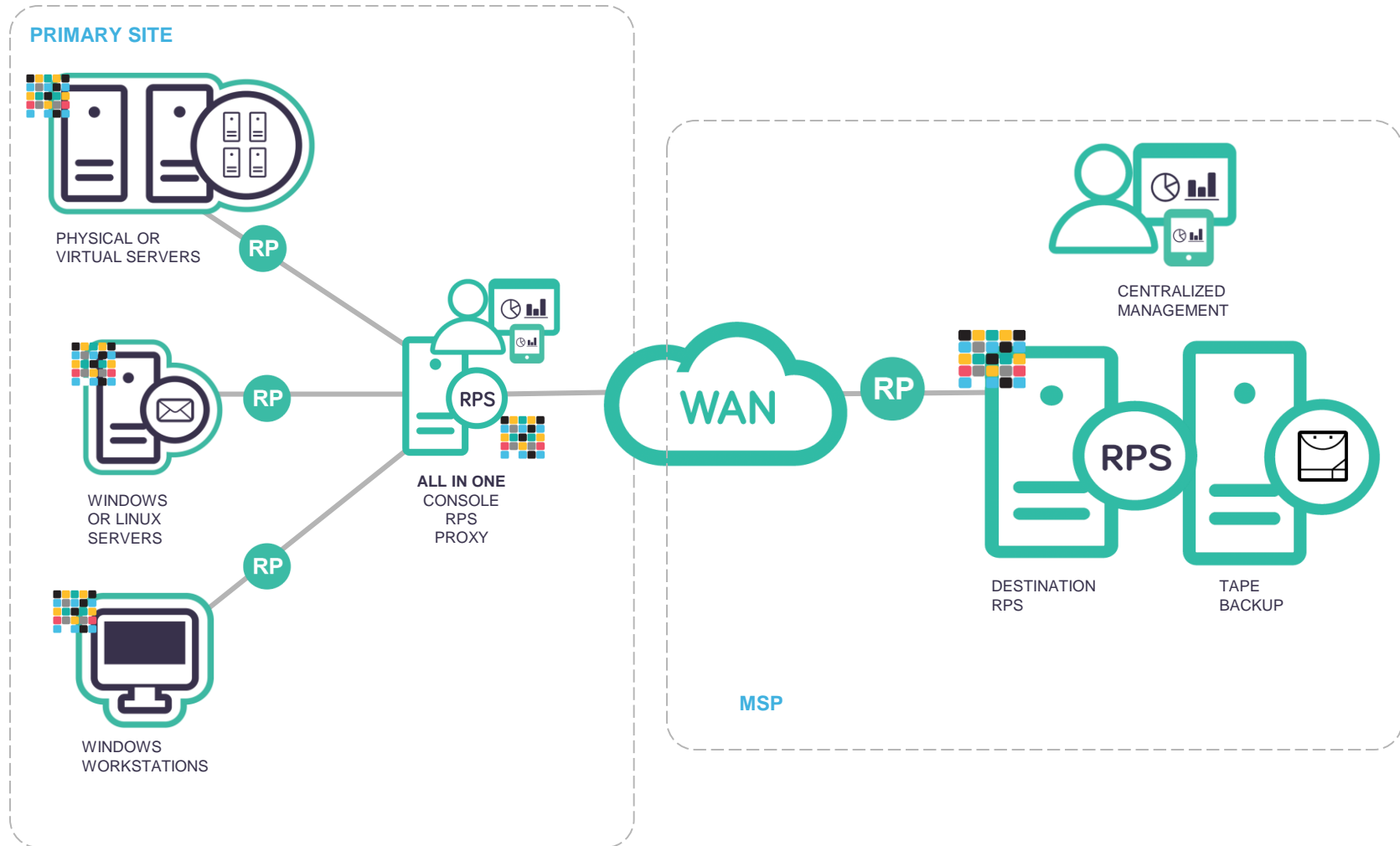
## > Primary Site - Tape



## > Primary Site and Remote Site

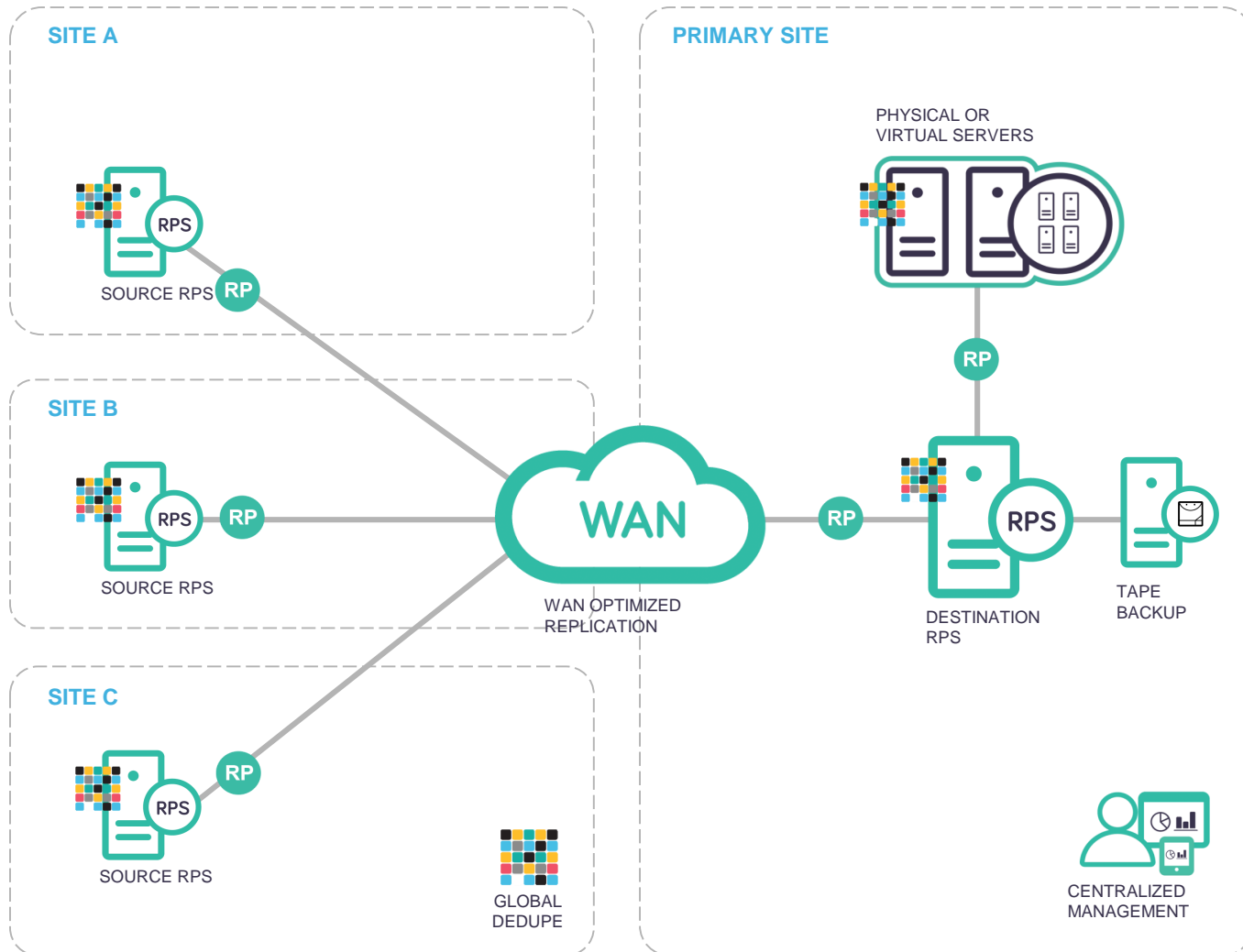


## > Primary Site and MSP

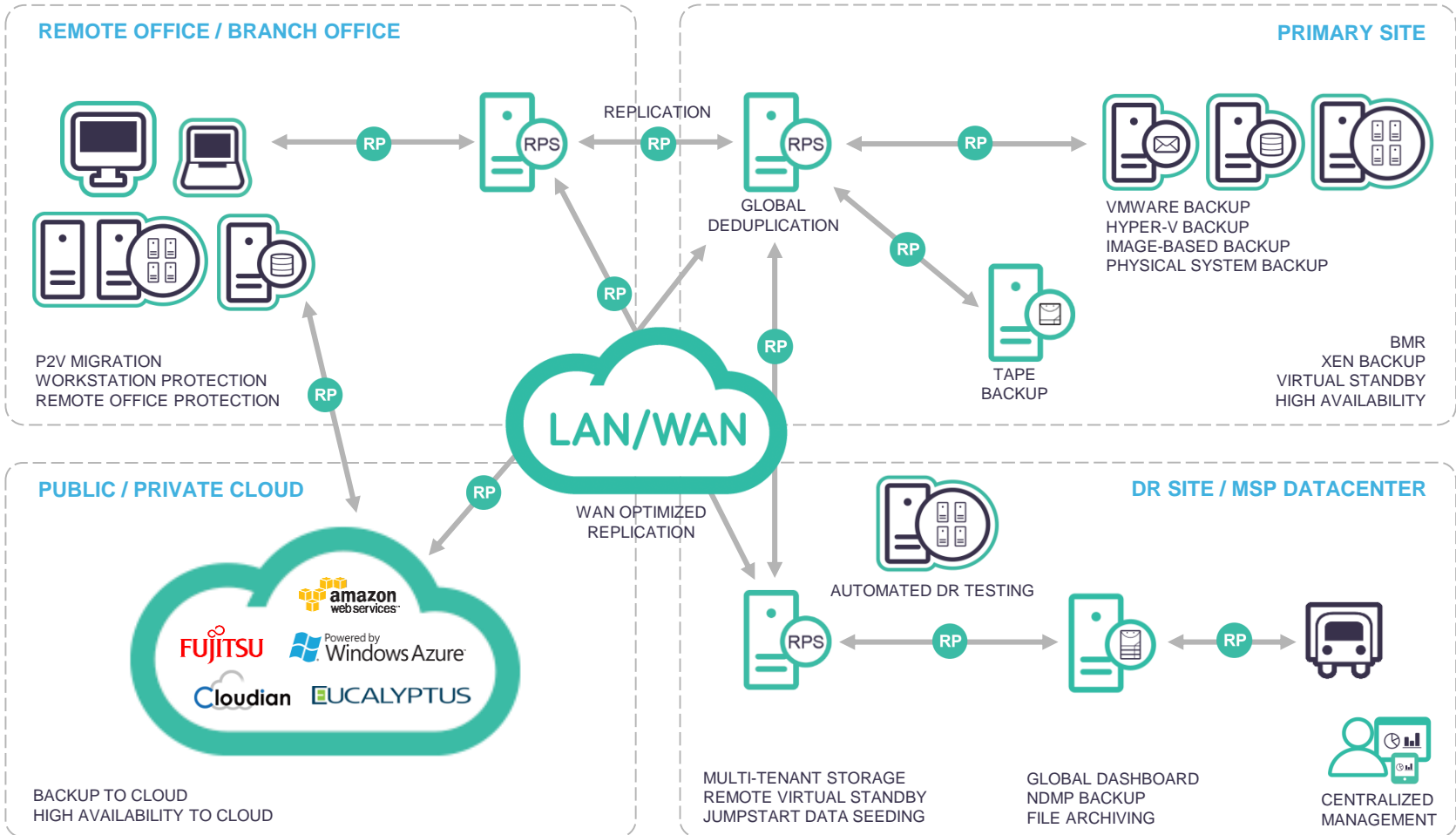




## > Multiple Sites – Data Store Consolidation



# > The solution



# > Arcserve® product overview

## Arcserve® Unified Data Protection

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- [Unified Management Console](#)
- [Plan-Based Data Protection](#)
- [Recovery Point Server](#)
- [Built-In Replication](#) NEW
- [VMware & Hyper-V Agentless Backup](#) NEW
- [Infinite Incremental I<sup>2</sup> Backup](#)
- [Advanced Scheduling/Retention](#) NEW
- [Full System High Availability](#)
- [Assured Recovery](#)®
- [Local & Remote Virtual Standby](#)
- [Multi-Tenant Storage](#)
- [Jumpstart / Data Migration](#) NEW
- [Unified Reporting](#)
- [Scalability](#)
- [Tape Archive](#) NEW

Update 2

NEW

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## Arcserve® Backup

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- [Global Dashboard & Reporting](#)
- [Storage Resource Management](#)
- [File Archiving](#)
- [Deduplication & Encryption](#)
- [Backup Infrastructure Visualization](#)
- [SAN Option](#)
- [NDMP Option](#) NEW
- [Tape Library Option](#) NEW
- [Disaster Recovery Option & BMR](#)
- [Enterprise Module](#)

SP1

NEW

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## Arcserve® High Availability

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- [Scenario Group Management](#)
- [Data rewind / CDP](#)
- [Automated DR Testing](#) NEW
- [Amazon cloud Integration](#) NEW
- [WAN optimized Replication](#)
- [Encryption](#)
- [Bare Metal Recovery](#)

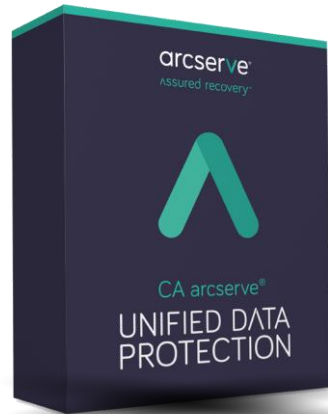
SP4

NEW

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## > arcserve UDP Update 2

Announcement: Nov. 4  
GA: Nov 23



# From Momentum to Acceleration

Further enhancing RPO/RTO for virtualized infrastructures and business-critical applications

1

Additional Hyper-V and VMware support

2

More granular restore capabilities for key applications

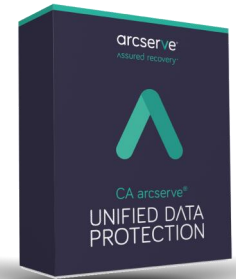
3

Usability and Management enhancements

No charge Workstation Edition

## > arcserve UDP Update 2: From Momentum to Acceleration!

- Introducing a No Charge Workstation edition
- Management Enhancements
  - RPS Server
  - Operational aspect
- Enhanced Granularity for Applications Restore



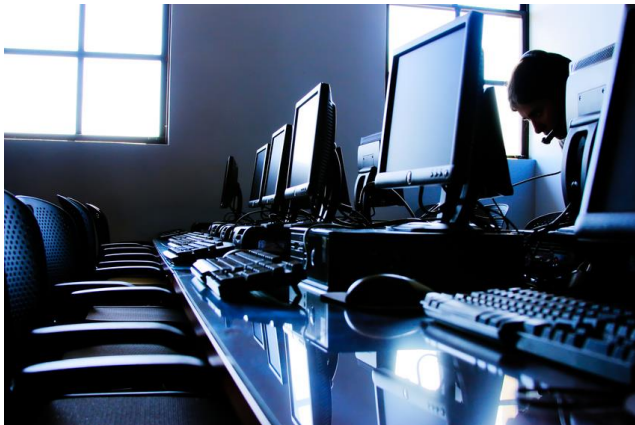
- Enhanced Virtual Infrastructure support



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## > Workstation Free Edition (No Charge Edition)

Job Type	Count	Data Protected	Space Occupied	Last Successful Event	Next Event
Full Backup	1	16.84 GB	12.92 GB	9/25/2014 3:30:04 PM	
Incremental Backup	2	1.87 GB	1.41 GB	9/25/2014 10:00:02 PM	9/26/2014 10:00:00 PM
Verify Backup	0	0 Bytes	0 Bytes		
File Copy	0	N/A	0 Bytes		
Copy Recovery Point	0	0 Bytes	0 Bytes		



- **Free, fully functional Workstation edition product** for local and UNC (CIFS) backup target.
- Recovery Point Server (RPS) support with deduplication included as a 30 day trial. All other features continue after 30 days.
- Simple, license key based upgrade path to the full UDP Workstation edition product
- **Please note:**
- Community forum support-only.
- Free Support for Microsoft Desktop Operating Systems

## > What's new in UDP Update 2 (Due November 2014)

### Enhanced Microsoft-Based Application Support & GRT

- **Exchange 2013, 2010 & 2007:** Agentless HBBU GRT
- **SQL 2014 AAG:** Backup & restore of cluster nodes
- **Oracle for Windows:** DB, tablespace, files, logs etc.
- **Active Directory:** AD objects & authoritative BMR
- **Pervasive PSQL v11:** Backup & DB-level restore
- **MSCS Clusters:** Cluster-Aware backup & restore

### Enhanced Virtual Infrastructure Support

- **Hyper-V CSV Support:** For Hyper-V Server 2012 & R2
- **VMware vSphere 5.5 U2 Support**
- **VMware Virtual SAN Support**
- **VMware Backup Transport Mode Switching Per Plan**
- **VM Discovery and Import:** Add VMware & Hyper-V VMs quickly and easily, while creating a protection plan

### Improved Recovery Point Server Management

- **Data migration wizard:** For D2D r16.5 Recovery Points
- **Memory to SSD mode switching:** For RPS data stores
- **Delete Node Data:** From RPS data Stores

### Additional Enhancements

- **Exclude days of the week, from daily backup schedule.** Cancel Agent deployment. RPS to tape performance improvements. BMR to smaller disks. Documented Console APIs. Counting Managed Capacity on the license manager. Improved Copy Recovery Points task after Host-Based Agentless backup, compatible with VHD format...and more!

### New Free Edition of UDP Workstation!

- **Free, fully functional Workstation edition** product for local disk or remote share as backup target. Recovery Point Server (RPS) support with deduplication included as a 30 day trial. All other features continue after 30 days
- **Simple, license key based upgrade path** to the full UDP Workstation edition product
- Please note: Limited support options. Recovery Point Server included as a 30 day trial. All other features continue after 30 days. Free use is limited to use on Windows client OS.

## > Arcserve® UDP: Simple & flexible licensing options

**Before**

- Thousands of SKUs
- Dozens of options
- Legacy pricing
- Complex choices

**After**

- 5 primary SKUs
- Simplified options
- Competitive
- Channel-friendly

Per-socket prices offered for both virtual & physical servers.

Versions	Includes	Licensing Options			
		Per TB	Per Socket	Per Server <small>NEW</small>	Per Workstation
Standard	<ul style="list-style-type: none"> <li>▪ UDP File Server Protection</li> <li>▪ Basic Tape</li> </ul>	✓	✓	✓	N/A
Advanced	<ul style="list-style-type: none"> <li>▪ All UDP Components</li> <li>▪ Basic Tape</li> </ul>	✓	✓	✓	N/A
Premium	<ul style="list-style-type: none"> <li>▪ All UDP Components</li> <li>▪ Premium Tape (ASBU)</li> <li>▪ File-level Replication</li> </ul>	✓	✓	N/A	N/A
Premium Plus	<ul style="list-style-type: none"> <li>▪ All UDP Components</li> <li>▪ Premium Tape (ASBU)</li> <li>▪ Premium HA (RHA)</li> </ul>	✓	✓	N/A	N/A
Workstation	<ul style="list-style-type: none"> <li>▪ UDP Windows Workstation Protection</li> <li>▪ Basic Tape</li> </ul>	N/A	N/A	N/A	✓

NOTE: Per Socket Essentials/SBS and Per Server Essential/SBS also offered



## > Pricing & licensing made simple

Product Features	Standard	Advanced	Premium	Premium Plus	Workstation
<b>Image-Based Protection</b>					
Windows & Linux OS support	✓	✓	✓	✓	✓
Global deduplication	✓	✓	✓	✓	✓
Integrated replication of image backups (RPS)	✓	✓	✓	✓	✓
Microsoft Exchange & Microsoft SQL server support		✓	✓	✓	✓
Unified management console	✓	✓	✓	✓	✓
Host-based agentless backup for VMware & Hyper-V	✓	✓	✓	✓	✓
Local & remote virtual standby	✓	✓	✓	✓	✓
Migration of UDP recovery points to tape ("Basic Tape")	✓	✓	✓	✓	✓
<b>File-Based Protection</b>					
Broad platform support (Arcserve® Backup options & agents)			✓	✓	
NDMP NAS support			✓	✓	
Shared SAN connected tape library			✓	✓	
Hardware snapshot support			✓	✓	
Multiple drive tape library support			✓	✓	
File only host-based replication for Windows			✓	✓	
<b>Real-time Replication &amp; High Availability-Based Protection</b>					
Asynchronous, application aware, WAN optimized replication				✓	
High Availability (Local & remote site)				✓	

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# Questions