

Synology 2019

Brad Kaminski National Sales Manager



Backup Business Workloads

Best Practice



Single Backup Appliance for Business



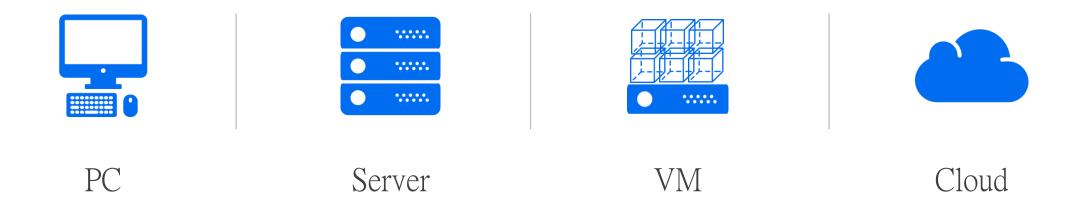
Streamline management

Maximum backup efficiency

Recovery & verification



Data Protection for Business

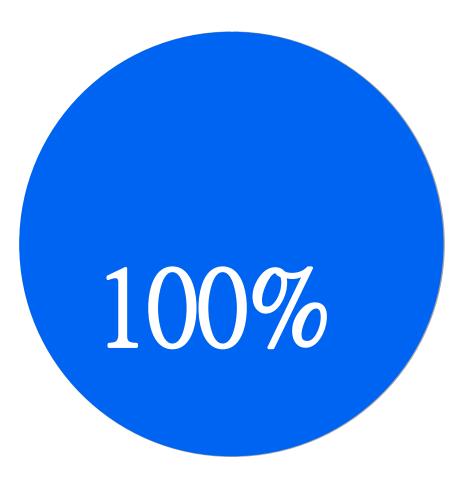




Is Your Data Safe?

Device loss is inevitable

Data loss is **preventable**









Active Backup Suite



Active Backup for Business



Active Backup for G Suite



Active Backup for Office 365



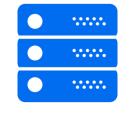
Centralized, Active Management





Data Protection for Business





Server

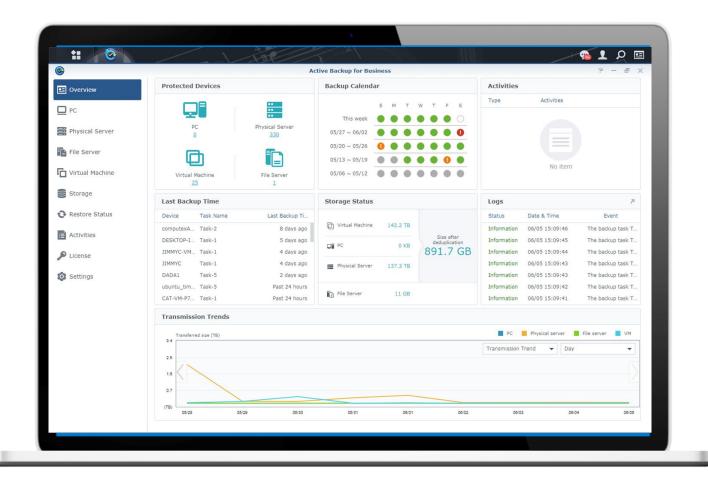


VM



Cloud





Centralized Administration

Monitor all backup tasks

Generate reports based on your policy

Easy deployment with templates



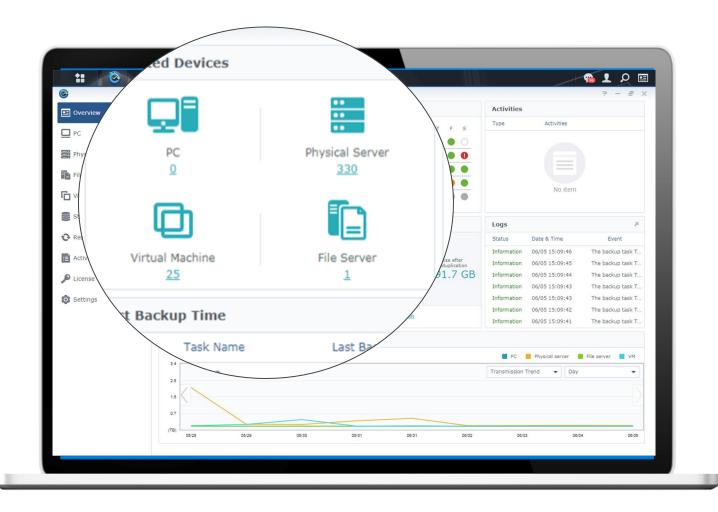


Image Backup

Bare metal image backup with agent software installed

Agentless for VMware vSphere





Is Image Backup Efficient?





Maximum Backup Efficiency





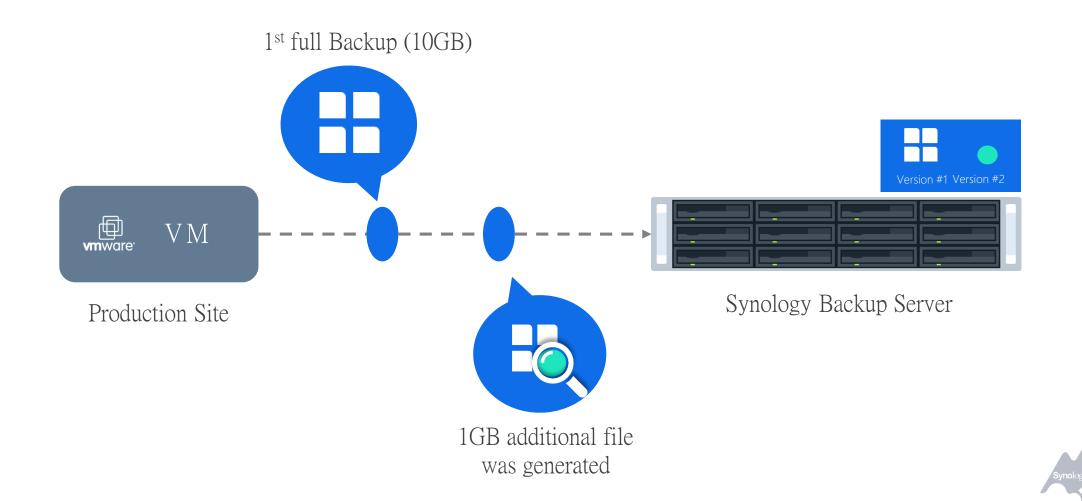


Changed Block Tracking Global Deduplication

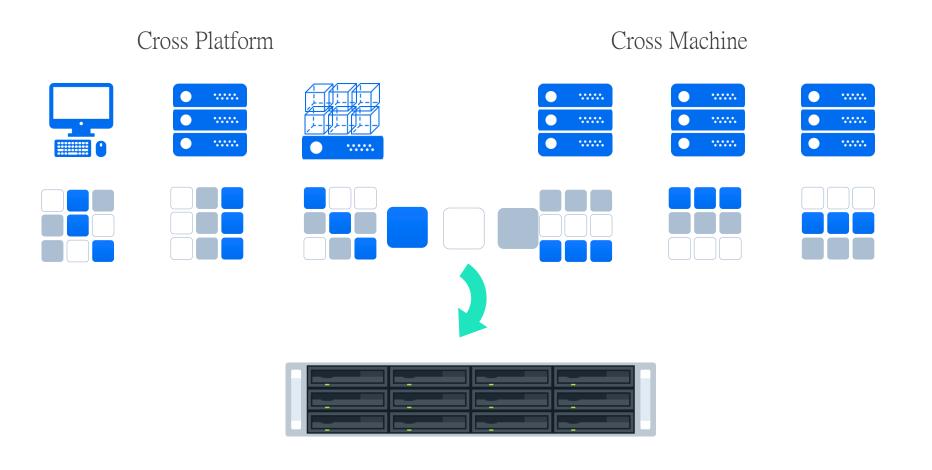
Self-Recovery Portal



Changed Block Tracking (CBT)

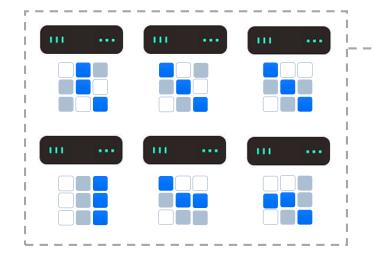


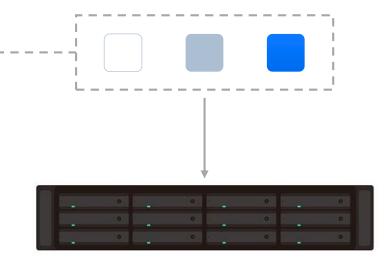
Global Deduplication





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ask: ANGELAPAIPC - Task-Angela 271 (👥		I Restore Task			
C: > Users > Angela >	Desktop > CBD			Y Sea	irch
Restore Download					
 SynologyWorkingDirecto 2017 Jul Cloud Ang Pai AppData Backup reading 	Name -	Size	Туре	Modified time	
	SynologyWorkingDirectory		Folder	2017-10-12 15:15:19	
	Active Backup for Business		Folder	2018-04-26 15:58:50	
	agent flow		Folder	2017-12-06 17:04:45	
	Backup_primary		Folder	2016-12-08 14:51:06	
Contacts	Cloud Station		Folder	2018-04-16 18:36:56	
 Desktop AB8_license_flow 	Cloud Station - scheduled backup moc		Folder	2017-04-19 11:23:57	
CBD	CloudFiles		Folder	2017-01-16 11:14:48	
SynologyWorkingD Active Backup for B Backup_primary Cloud Station Cloud Station - sch CloudFiles	Prive Admin Console		Folder	2017-12-28 12:01:27	
	Prive-Pc Client		Folder	2017-03-30 20:02:21	
	Eason Reading Sync		Folder	2018-04-23 11:36:42	
	FAQ screenshots	FAQ screenshots Folder		2017-01-25 15:14:46	
	Gartner reading		Folder	2016-12-08 15:56:24	
	Presto		Folder	2017-10-12 21:02:47	
 Drive Admin Console 					126 item(s) C
C C		2 version(s) 2018-05-29 12:58:54 23:04:14			

Self-Service Restore Portal

Permitted users can have instant and granular restore capabilities without having to ask for admins' help.



Flexible Restore Options

	PC	Physical Server	VM	File Server
Full restore	\checkmark	\checkmark	\checkmark	
File level restore	\checkmark	\checkmark	\checkmark	\checkmark
Self-service restore portal	\checkmark	\checkmark	\checkmark	
Instant restore to VMware		\checkmark	\checkmark	
Instant restore to Synology VMM		~	~	



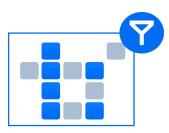


Active Backup for Business





Single Interface



Advanced Features



Flexible Restore



Active Backup for SaaS



Challenges in Cloud Environment



User Actions



Service Limitations



Privacy & Compliance



Active Backup for Saas

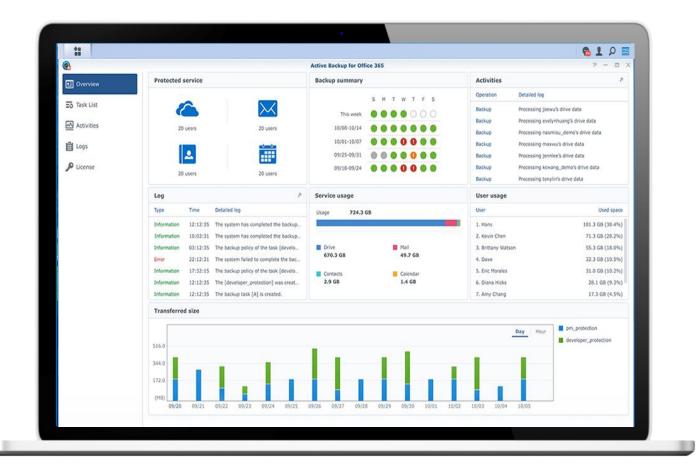


Active Backup for G Suite



Active Backup for Office 365





Active Backup for Office 365

Drive, mail, contacts, and calendar

Continuous backup

Single instancing & dedup

Smart restore options





Active Backup Suite







Centralized Management Single Solution Support

No License Fees



Active Backup 2019





More Destinations

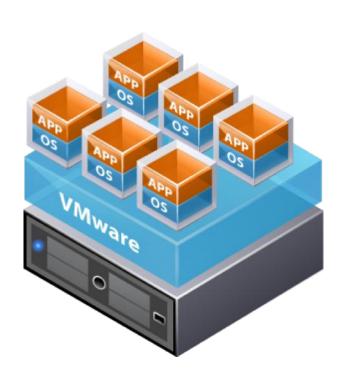




Virtualization Storage



Storage for Virtualization



Certificated VM Storage



Advanced iSCSI Features

VAAI/ODX, MPIO, Thin Provision, Snapshot, …

Competitive Hardware

High performance and cost-effective products



NAS Selection

Considerations for VM storage and performance needs



Choose NAS for Virtualization Storage

IOPS

Measure IOPS requirement





600

80,000

4K Random Write



IOPS for VM Storage









Choose NAS for Virtualization Storage

IOPS

SSD

10GbE

Use 10GbE for lower latency

Btrfs

Advanced LUN support



Measure IOPS requirement

Use SSD or SSD Cache

All Flash Uncompromising Performance FS3017



2 Xeon Six core CPUs **72** Bay 24 Bay 2.5" 512 GB Memory 190 k 4k random IOPS





Taishin Bank

• FS2017 + RX2417sas provide iSCSI service

• Database service for over 8,000 users

Link Aggregation for dual 20 Gbps iSCSI channel

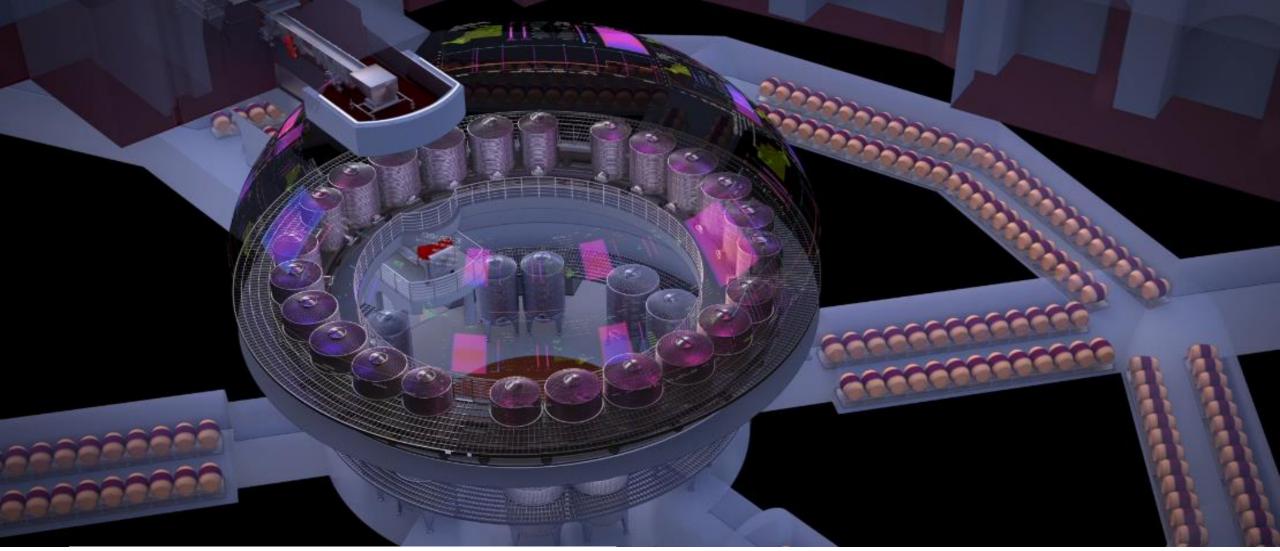
7 times faster than previous system





Palmaz Vineyarda





Palmaz Vineyards



