

Resilience simplified; Your guide through the hybrid cloud jungle

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Zerto

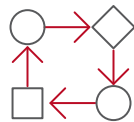
Zerto IT Resilience Platform

ANALYTICS

Orchestration & Automation



DISASTER
RECOVERY



OPERATIONAL
RECOVERY



LONG-TERM
RETENTION



HYBRID,
MULTI-CLOUD

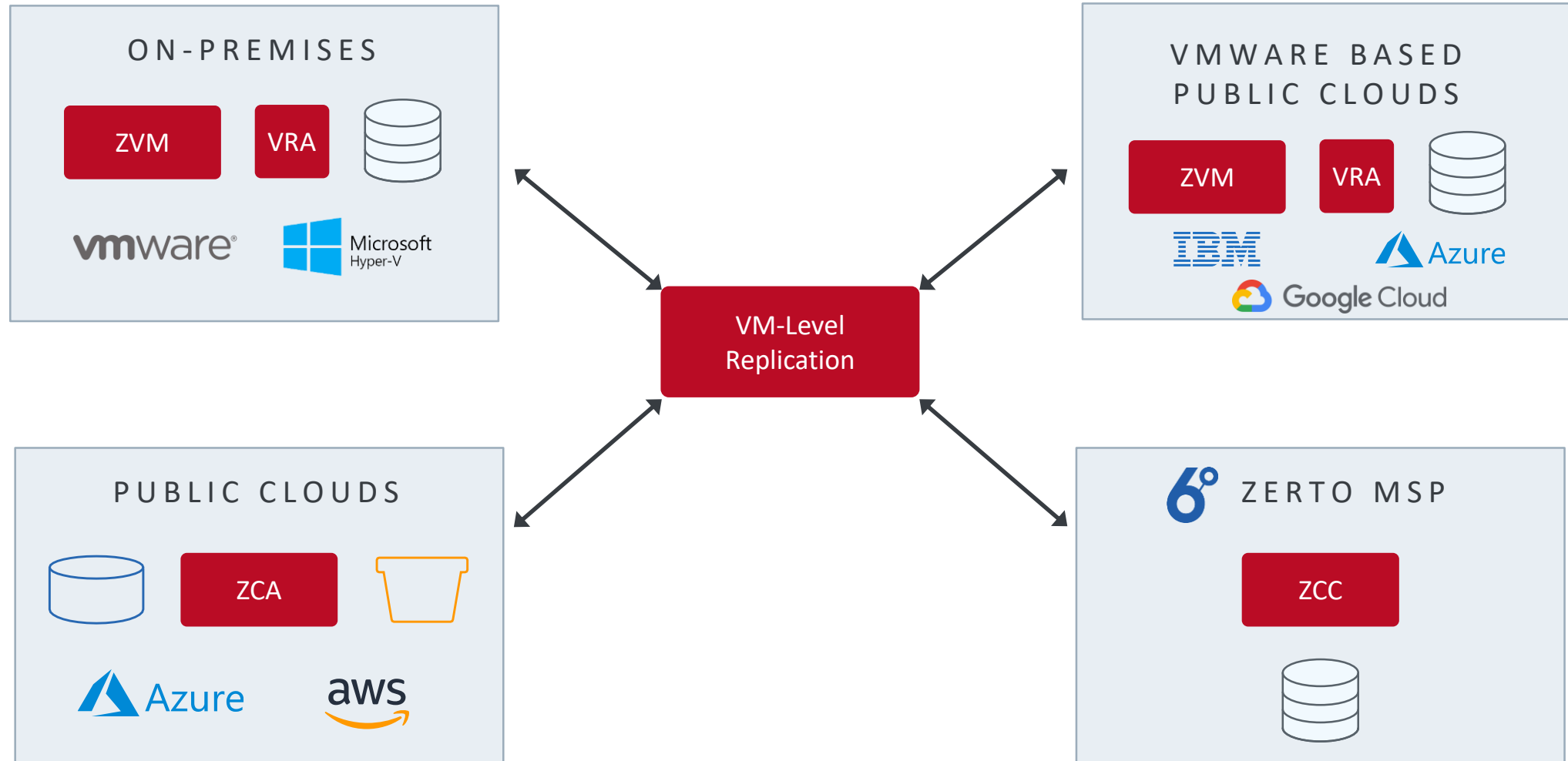


OPERATIONAL
SERVICES

Continuous Data Protection

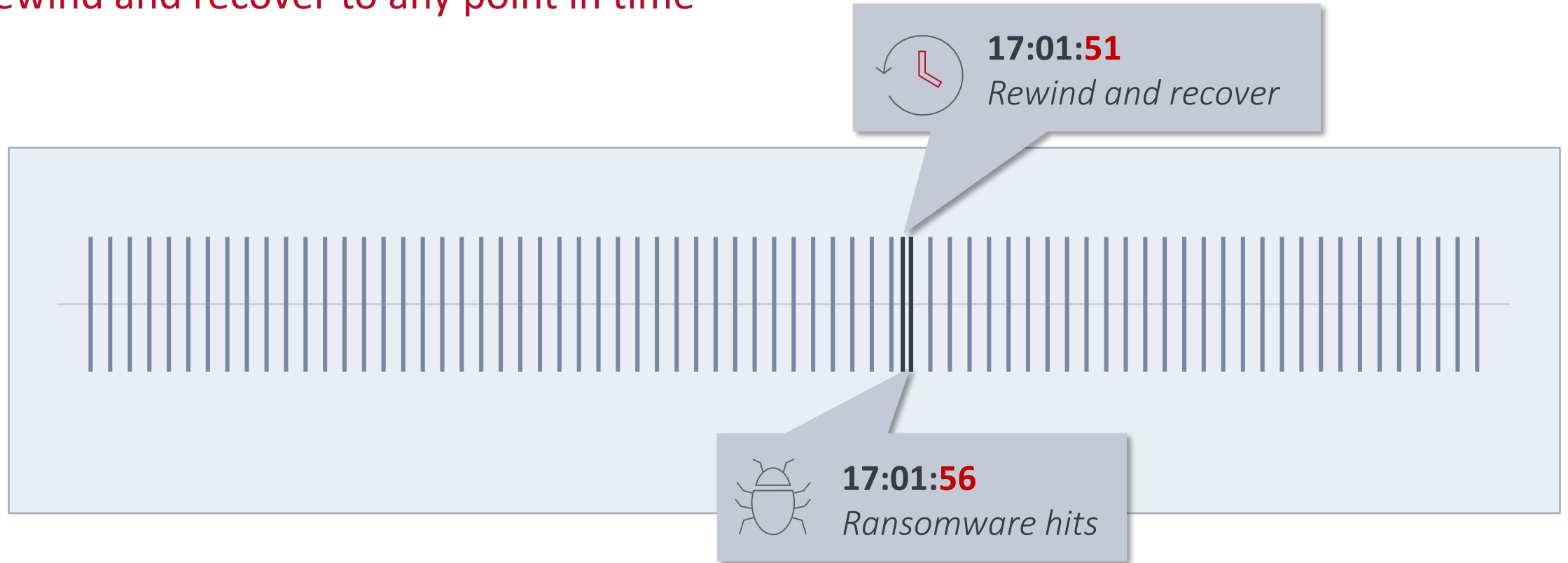



Multi-Cloud Architecture




Journal-Based Recovery


Rewind and recover to any point in time



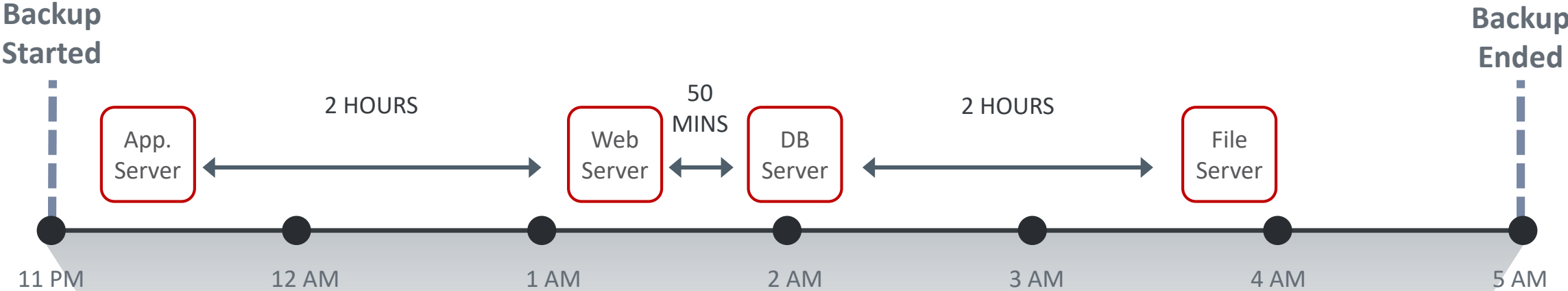
 Sites

 Apps

 VMs

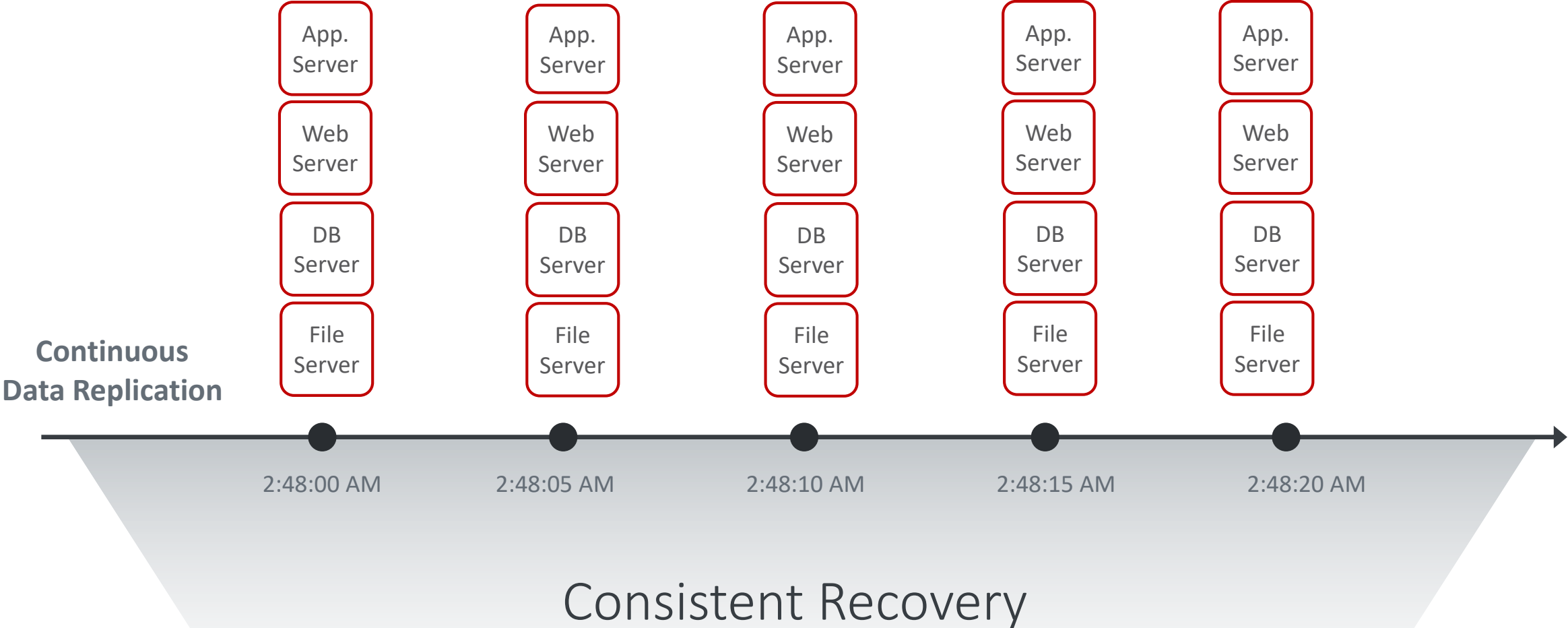
 Files

Traditional Protection

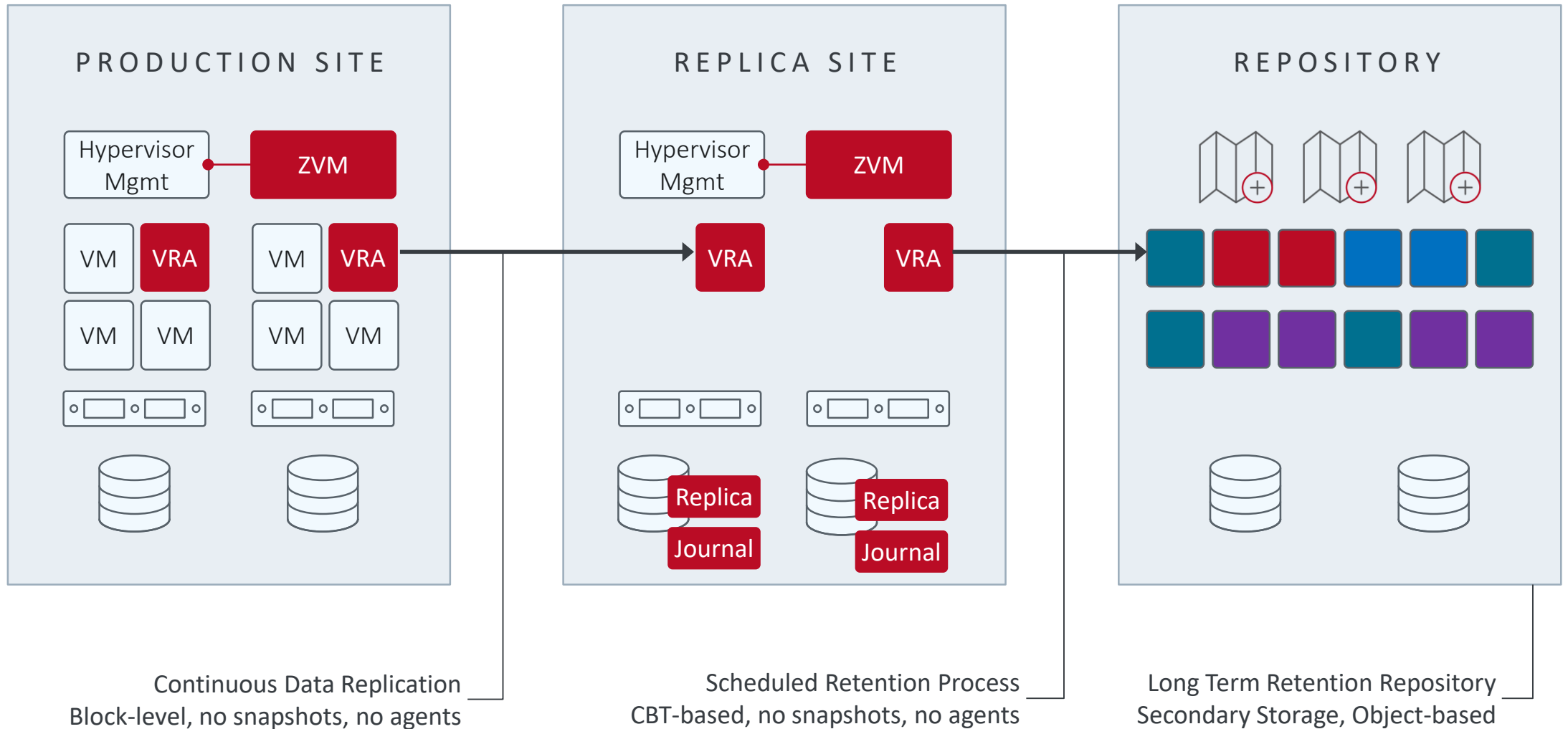


Inconsistent Recovery

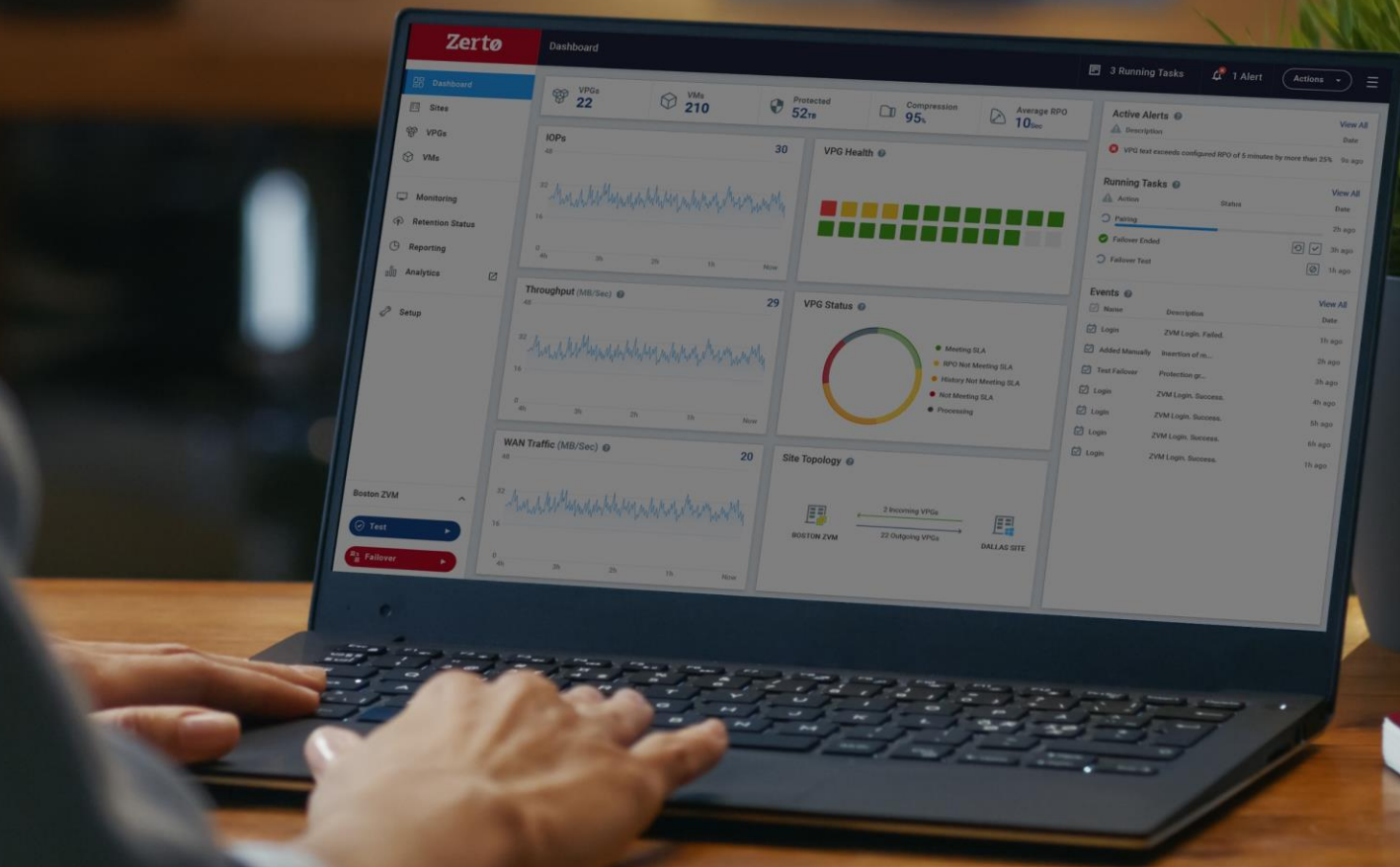
Application Consistency



Elastic Journal - Architecture



All managed through one simple interface and experience



Testing Recovery and Reporting

Regulatory Compliance

Zerto

Report generated by
Zerto Virtual Replication

Recovery Report for Virtual Protection Group HyperV-CRMApp2

Report was generated on 04/13/2015 15:10:51

Recovery Operation Details

Initiated by VCLAB.LOCAL\Administrator
Recovery operation Failover Test
Point in time 04/13/2015 11:19:42
Recovery operation start time 04/13/2015 11:19:53
Recovery operation end time 04/13/2015 12:01:03
RTO 00:02:25
Recovery operation result Passed by user
User notes VMware to HyperV failover test passed

Virtual Protection Group Recovery Settings

Protected site DC1-VMware
Recovery site DC3-Hyper-V
Default recovery host hypervhost1.lab.local
Default recovery datastore E
Default test recovery network vmxnet3 Ethernet Adapter - Virtual Switch
Default recovery folder SCVMM_VM_FOLDER_BASE

Recovery Report for Virtual Protection Group HyperV-CRMApp2

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Virtual Machine Recovery Settings

CRMApp2-File
No custom settings
CRMApp2-Web
No custom settings
CRMApp2-Database
No custom settings

Detailed Recovery Steps

#	Step Description	Result	Start Time	End Time	Execution Time
1	Fail-over test VM 'CRMApp2-File'	Success	11:19:53	11:20:24	00:00:30
1.1	Create recovery VM 'CRMApp2-File - testing recovery'	Success	11:19:53	11:20:24	00:00:30
1.2	Reconfigure IP for VM 'CRMApp2-File - testing recovery'	Success	11:20:24	11:20:24	00:00:00
2	Fail-over test VM 'CRMApp2-Web'	Success	11:19:53	11:20:27	00:00:33
2.1	Create recovery VM 'CRMApp2-Web - testing recovery'	Success	11:19:53	11:20:27	00:00:33
2.2	Reconfigure IP for VM 'CRMApp2-Web - testing recovery'	Success	11:20:27	11:20:27	00:00:00
3	Fail-over test VM 'CRMApp2-Database'	Success	11:19:53	11:20:29	00:00:36
3.1	Create recovery VM 'CRMApp2-Database - testing recovery'	Success	11:19:53	11:20:29	00:00:35
3.2	Reconfigure IP for VM 'CRMApp2-Database - testing recovery'	Success	11:20:29	11:20:29	00:00:00
4	disable DBS	Success	11:20:30	11:20:30	00:00:00
5	Fail-over test VMs 'CRMApp2-File' volumes	Success	11:20:30	11:21:12	00:00:41
5.1	Create scratch volume for VM 'CRMApp2-File - testing recovery'	Success	11:20:30	11:20:42	00:00:11
5.2	Detach volume 'CRMApp2-File-0:0' from Z-VRA-hypervhost1.lab.local	Success	11:21:02	11:21:08	00:00:05
5.3	Attach volume 'CRMApp2-File-0:0' to VM 'CRMApp2-File - testing recovery'	Success	11:21:08	11:21:12	00:00:03
6	Fail-over test VMs 'CRMApp2-Database' volumes	Success	11:20:30	11:21:43	00:01:13
6.1	Create scratch volume for VM 'CRMApp2-Database - testing recovery'	Success	11:20:30	11:21:21	00:00:50
6.2	Detach volume 'CRMApp2-Database-0:0' from Z-VRA-hypervhost1.lab.local	Success	11:21:33	11:21:40	00:00:07
6.3	Attach volume 'CRMApp2-Database-0:0' to VM 'CRMApp2-Database - testing recovery'	Success	11:21:40	11:21:43	00:00:03
7	Fail-over test VMs 'CRMApp2-Web' volumes	Success	11:20:30	11:21:32	00:01:02
7.1	Create scratch volume for VM 'CRMApp2-Web - testing recovery'	Success	11:20:30	11:21:02	00:00:31
7.2	Detach volume 'CRMApp2-Web-0:0' from Z-VRA-hypervhost1.lab.local	Success	11:21:21	11:21:28	00:00:06
7.3	Attach volume 'CRMApp2-Web-0:0' to VM 'CRMApp2-Web - testing recovery'	Success	11:21:28	11:21:32	00:00:03
8	Start VMs	Success	11:21:44	11:22:04	00:00:20
8.1	Start VM 'CRMApp2-File - testing recovery'	Success	11:21:44	11:21:47	00:00:02
8.2	Start VM 'CRMApp2-Web - testing recovery'	Success	11:21:47	11:21:49	00:00:02
8.3	Start VM 'CRMApp2-Database - testing recovery'	Success	11:21:49	11:22:04	00:00:14

Recovery Report for Virtual Protection Group HyperV-CRMApp2

- GDPR
- PCI
- ISO
- SOX
- HIPAA
- SEC

Simplified Deployments with Planner

The screenshot displays the Zerto Analytics Planning interface. The top navigation bar includes the Zerto Analytics logo, a 'What's New' button, and a user profile for Steve Blow. The main content area is titled 'Planning' and features a 'VM Selection' tab. Below this, there are filters for 'Source Site' (Boston DC), 'Selected VMs' (8 VMs Selected), and 'Target Platform' (Azure). Summary statistics are shown: 1 ZCA, WAN 214.59 KBps, Total Journal Size 17.68 GB, and Total Recovery Disk Size 776.5 GB. A table titled 'VM Level Statistics' provides detailed data for each VM, including name, datacenter, host, cores, RAM, used/provisioned storage, average IOPS, average throughput, and required journal size.

VM Name	Datacenter	Host	Cores	RAM	Used/Provisioned	Avg. IOPS ↓	Avg Throughput	Required Journal Size
SharePIAD01	Boston DC	172.20.210.1	1	2 GB	39.45 GB / 42.11 GB	2.3267	317.27 KBps	13.07 GB
SharePIFarm01	Boston DC	172.20.210.2	2	5 GB	44.59 GB / 45.11 GB	1.9972	22.46 KBps	948 MB
VMware vCenter Server A...	Boston DC	172.20.210.3	2	10 GB	45.37 GB / 289.71 GB	1.8423	65.72 KBps	2.71 GB
SQLA0AG01	Boston DC	172.20.210.2	2	4 GB	14.73 GB / 54.11 GB	0.9039	7.02 KBps	296 MB
SQLA0AG02	Boston DC	172.20.210.2	2	4 GB	44.11 GB / 54.11 GB	0.78	10.31 KBps	435 MB
SharePISQL01	Boston DC	172.20.210.1	1	4 GB	62.73 GB / 124.11 GB	0.3146	3.25 KBps	137 MB
Web App	Boston DC	172.20.210.2	1	3.5 GB	21.11 GB / 83.61 GB	0.2585	1.9 KBps	80 MB
WinFS01	Boston DC	172.20.210.1	1	3.5 GB	19.93 GB / 83.65 GB	0.2152	1.27 KBps	53 MB

Impact – Why Zerto?

“ We need to have a robust BC/DR solution that is reliable and will meet our service levels. With array-based replication, we had to have extensive knowledge of how VMs were mapped to LUNs and it required significant scripting and workarounds. We cannot afford this risky process for BC/DR. **Zerto demonstrated its simplicity immediately – it was up and running in 90 minutes. It was simple, reliable and easily met our internal and external requirements for data protection.**”



“Before Zerto our DR Tests would never be complete until the next day and they needed monitoring the whole time. **Now we can do it at any time of day and have a report ready in less than 5 minutes.** It’s just so easy and controlled that anyone can do it!”

“One of the key attributes of ZVR is, as long as VMware supports it, Zerto can support it. **We are looking to migrate older applications, which could have been a very complex and costly process. With Zerto, not only is the process efficient, it is so simple.** We just select the virtual machines and migrate them over. **This could have taken us months using a traditional solution.**”

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IT RESILIENCE