

Zerto

**WEBINAR
STARTING SOON**



REDEFINING RANSOMWARE RECOVERY

What's new in Zerto 10



CONOR SCOLARD
Technical Director



EOIN HARFORD
Disaster Recovery SME

WEBINAR



Today we'll talk about

- The Ransomware Threat Landscape
- What happens when you've been hit?
- How Zerto 10 enables faster Data Recovery
- Zerto 10 Demo
- Special Zerto 10 offer for webinar attendees
- Q & A

Zerto Disaster Recovery: Free Trial

- ▶ All webinar attendees will be eligible for a Proof of Technology 14-day trial with Zerto
- ▶ Fully functioning trial disaster recovery solution for up to three VMs*
- ▶ Test architecture is free of charge (nominal professional services fee to facilitate onboarding)

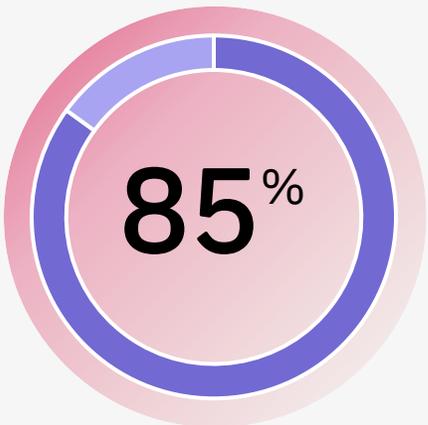
Zerto

*Trial is 14 days from initial seeding over a maximum duration of 30 days.

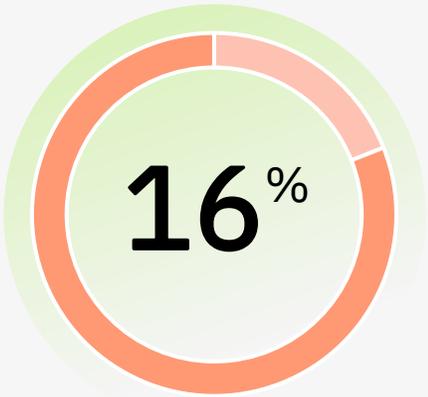
The Ransomware Threat Landscape



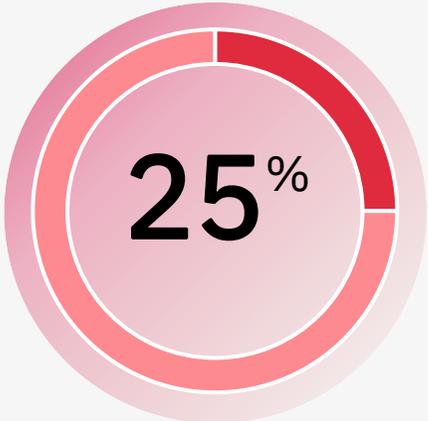
Ransomware is the worst kind of disaster



of organisations experienced **at least 1 ransomware attack** in the past year



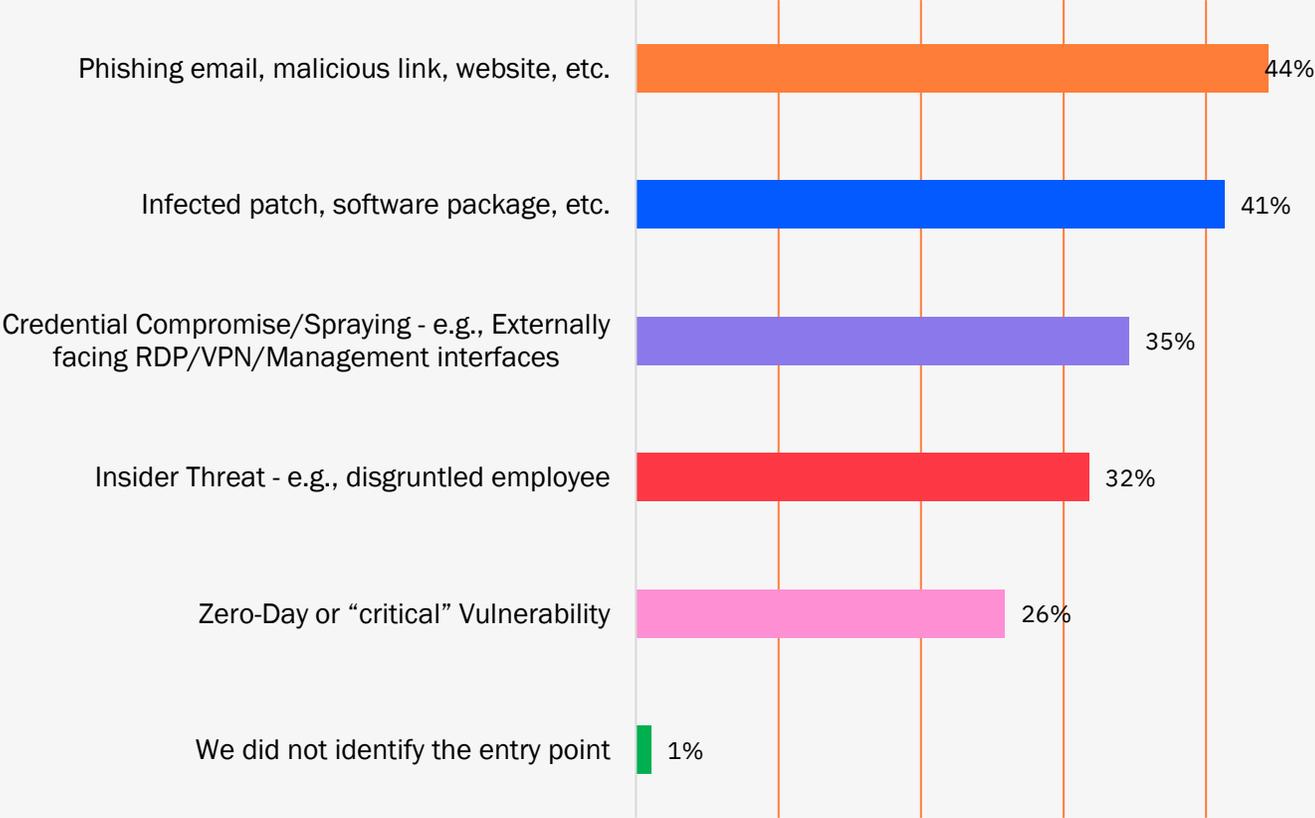
of organisations were able to **recover without paying** the ransom



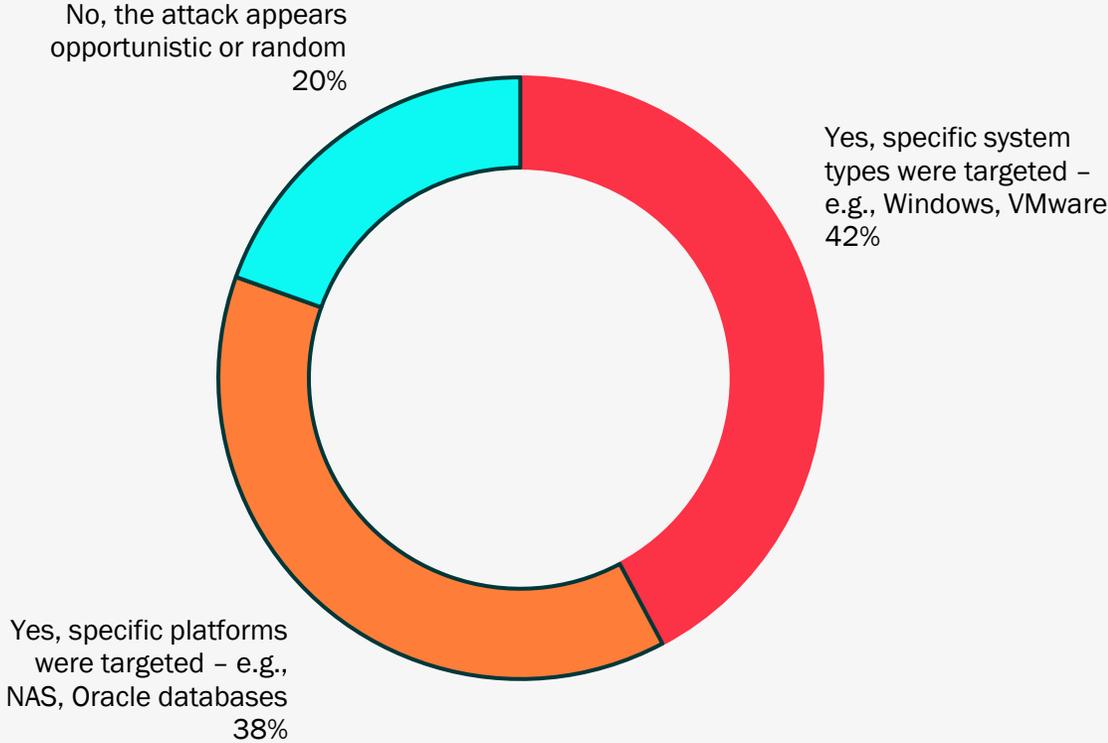
of organisations **paid the ransom and never got their data back**

Ransomware: Entries & Targets

How did ransomware enter your organisation's IT environment?



Did the ransomware attack appear to focus on specific applications or platforms?



Source: Veeam Ransomware Trends Report 2023

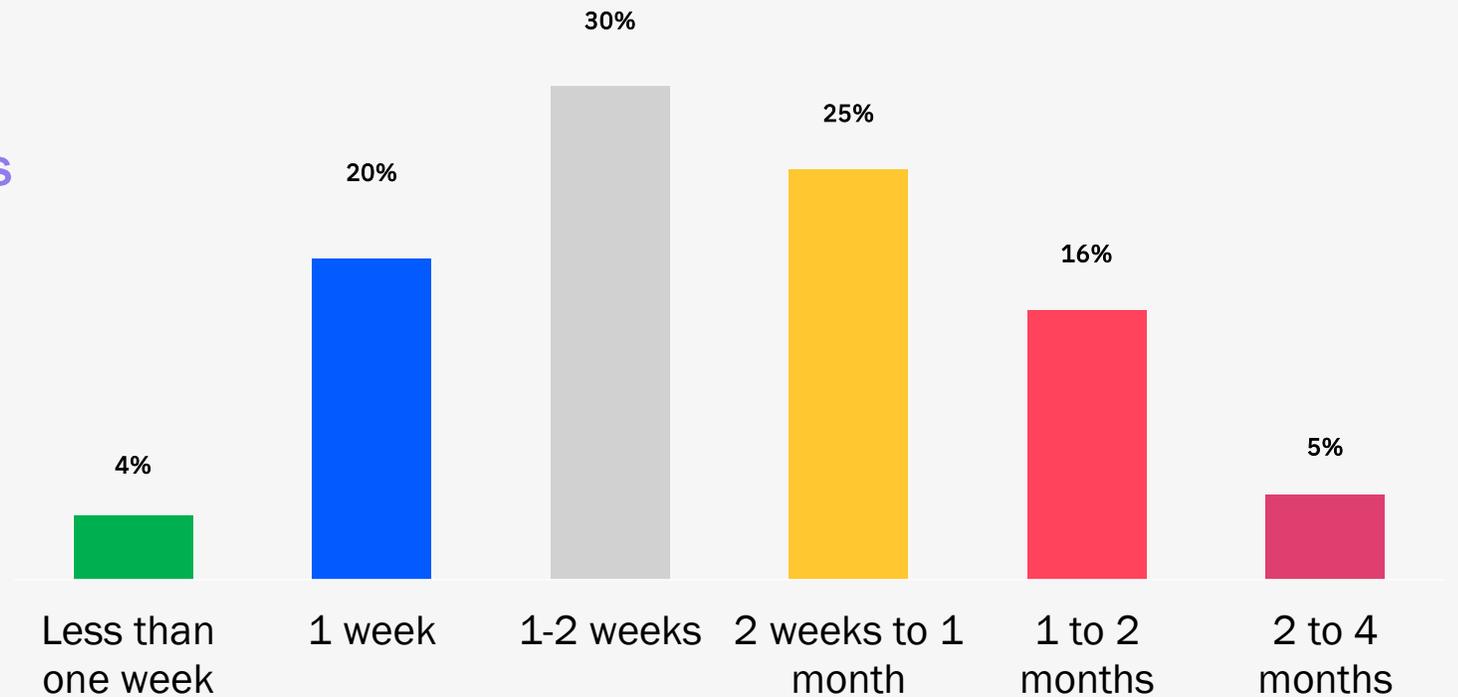
Recovery from ransomware is not easy



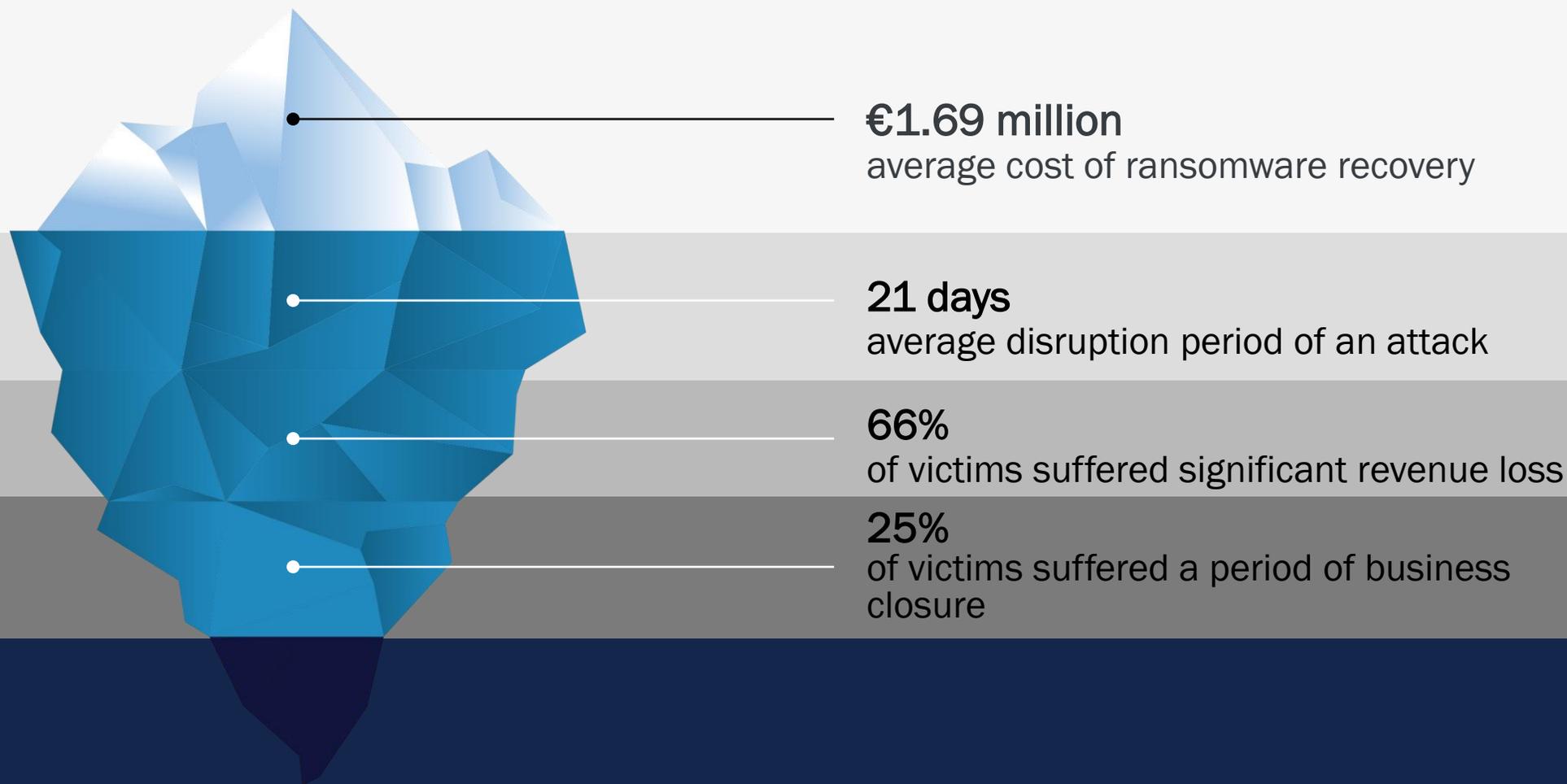
How long did recovery take?

It takes on average **three weeks** to recover (per attack) – after triage

Source: Veeam Ransomware Trends Report 2023



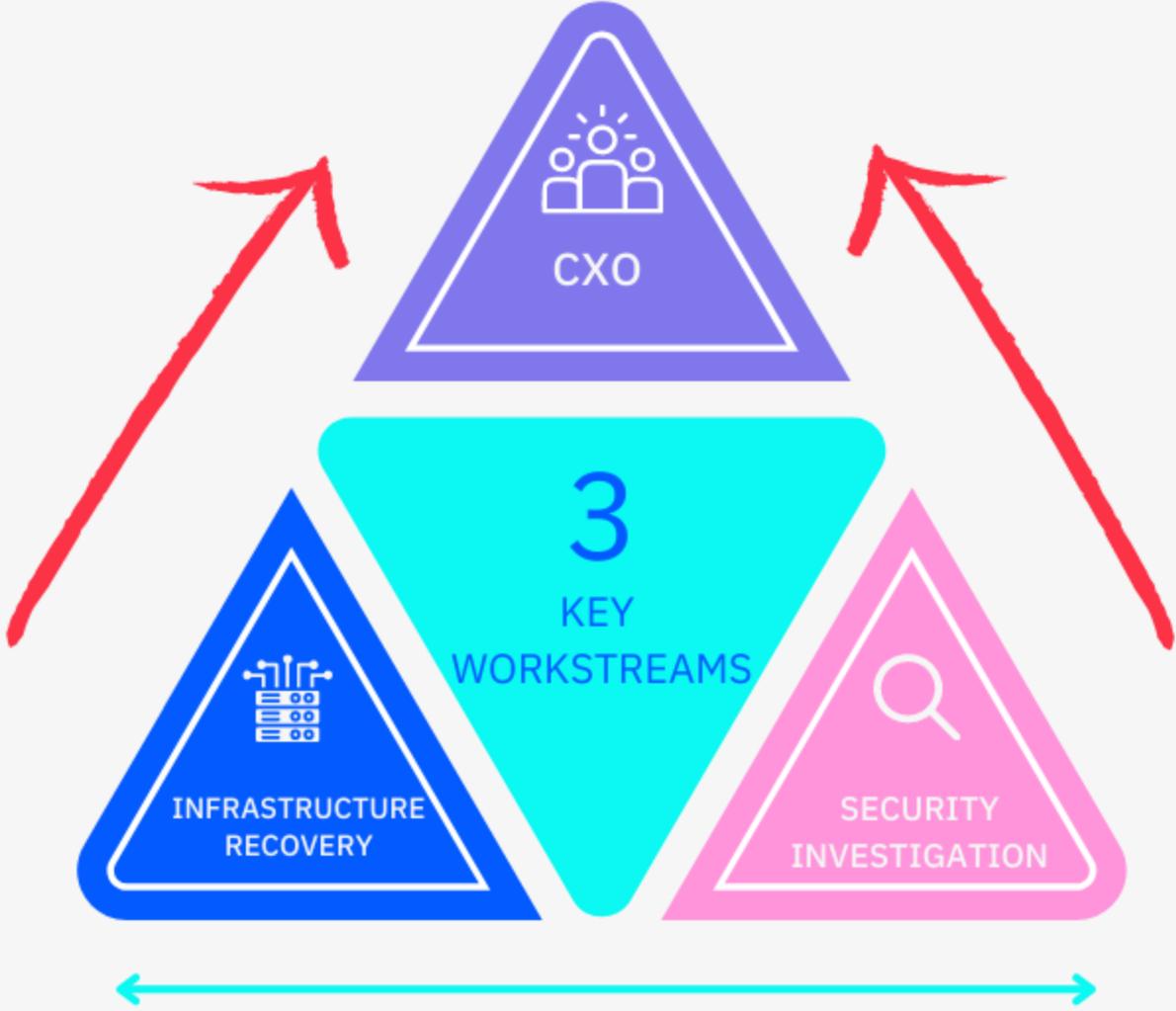
Beyond the Cost of Recovery (2022 figures)



**What happens when
you've been hit?**



Three key workstreams to consider



What happens once you've been hit?

Incident Response - Security



Incident Response Plan



Security Partner



Data Gathering



30 - 90 days of logs



Forensic Analysis



Users' Devices held

What happens once you've been hit?

Incident Response - Recovery



BCP Plan



Sufficient Free Capacity



Communications Plan
(Internal & External)



What to recover first?



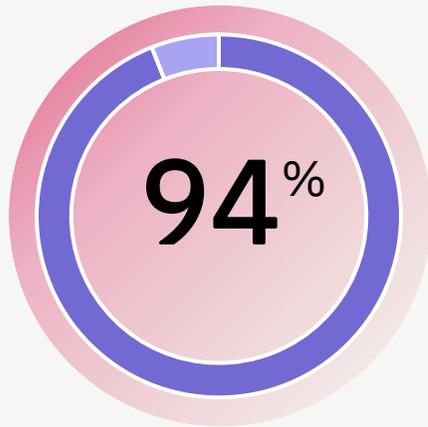
Recover to where?



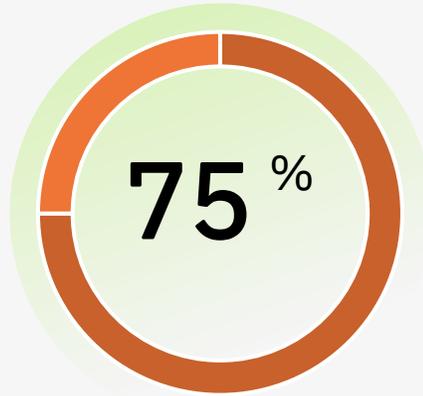
How long until recovery?

What happens after you've been hit?

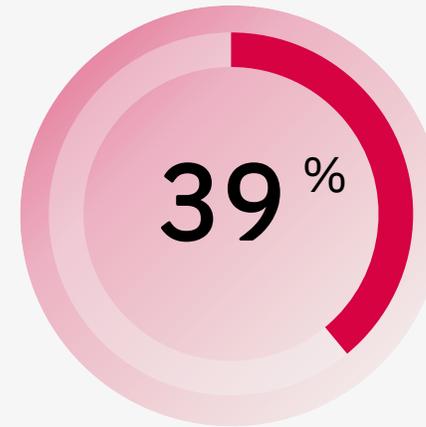
Backup Data



of threat actors actively target backup repositories as part of a ransomware attack

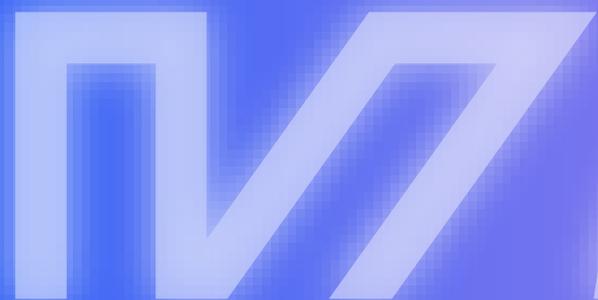
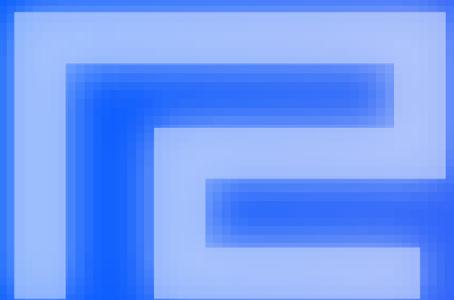


of victims lose some of their backups during a ransomware attack



of backup repositories are completely lost

Quick Poll

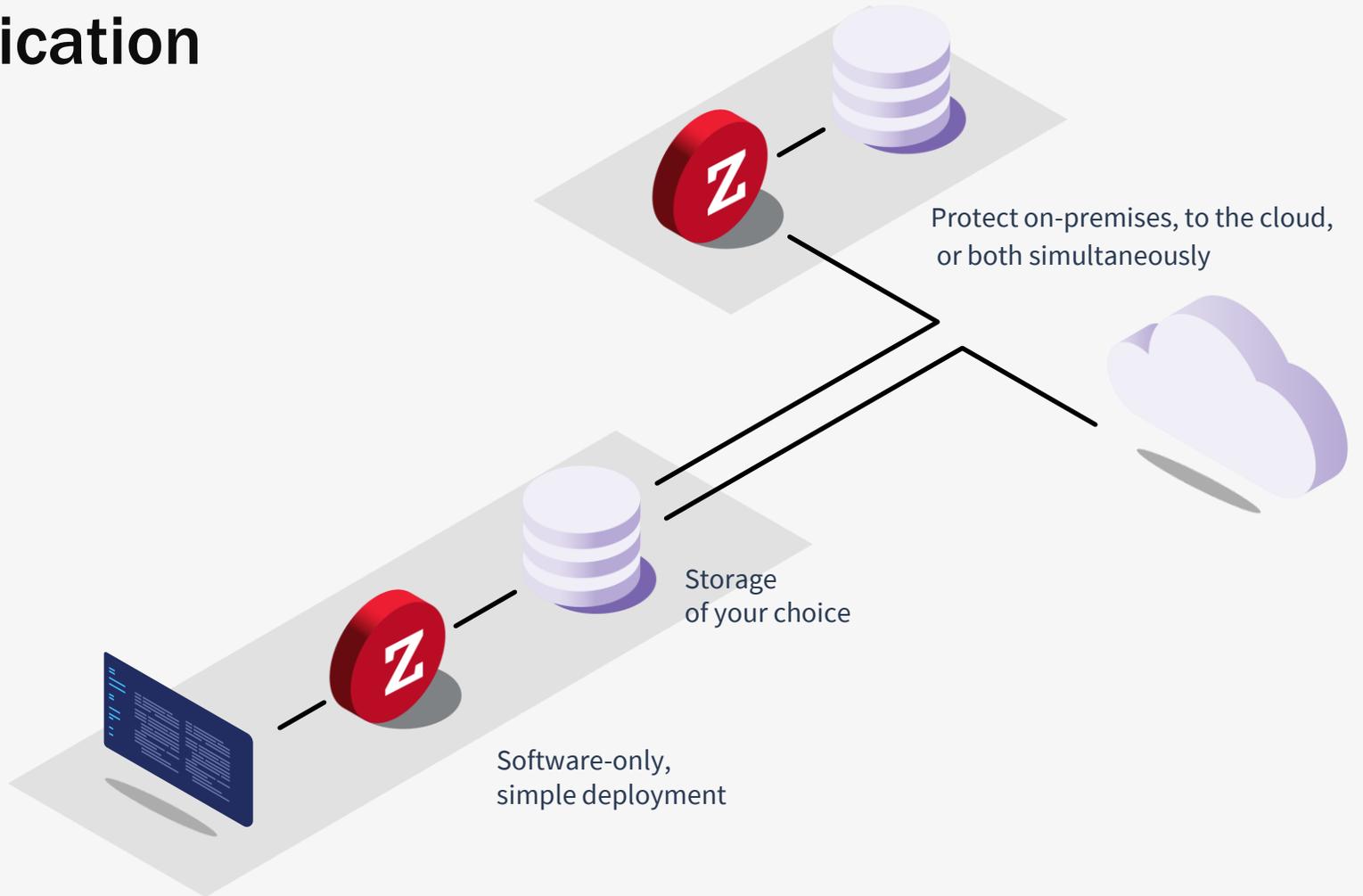


How Zerto 10 enables faster Data Recovery



Near-synchronous Replication

- No production impact
- No scheduling, snapshots, or agents
- Hardware and storage-agnostic
- Always-on, always protected



Secure Ekco DR

- ▶ Combines a completely isolated recovery environment, or clean room, with an immutable data vault using unique zero trust architecture.
- ▶ Enables physically air-gapped and immutable data copies on secure, high-performance hardware.
- ▶ No common control plane, using Ekco as a provider we have a separate authentication plane and management system, removing us from the point of compromise.



Real-time Encryption Detection

- ▶ Detect at the point of encryption, not after backing up
- ▶ Real-time detection and alerting at the first moment of impact
- ▶ Easily identify blast radius and tag compromised applications
- ▶ SIEM log collection from vCentre for SOC alerting (Optional)

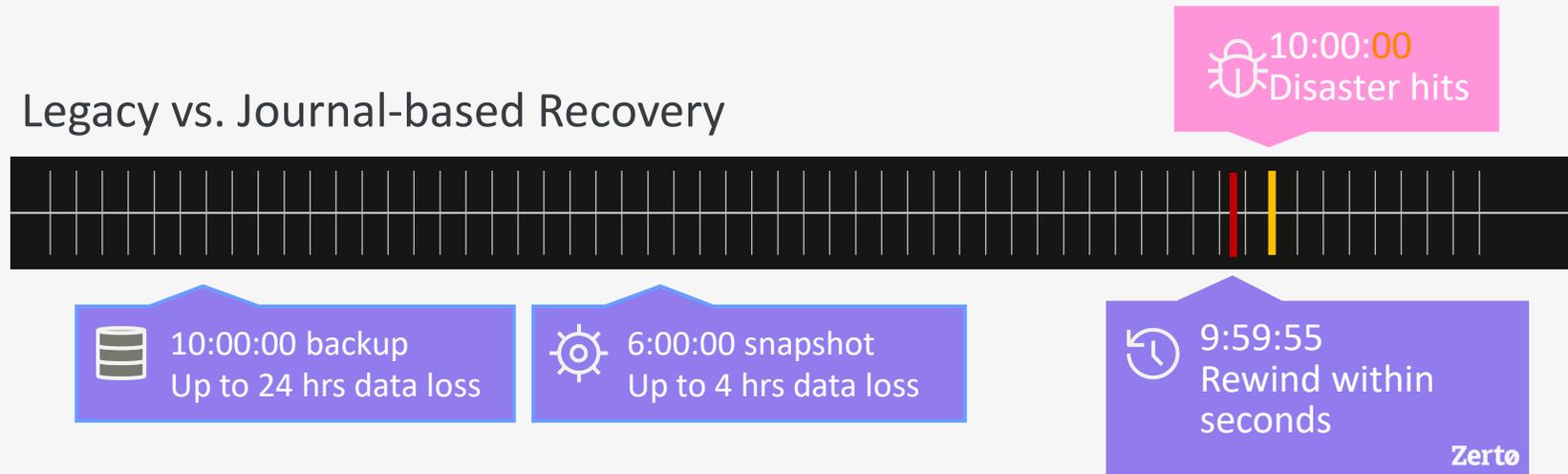


Granular Point-in-time Recovery: Zerto Journal



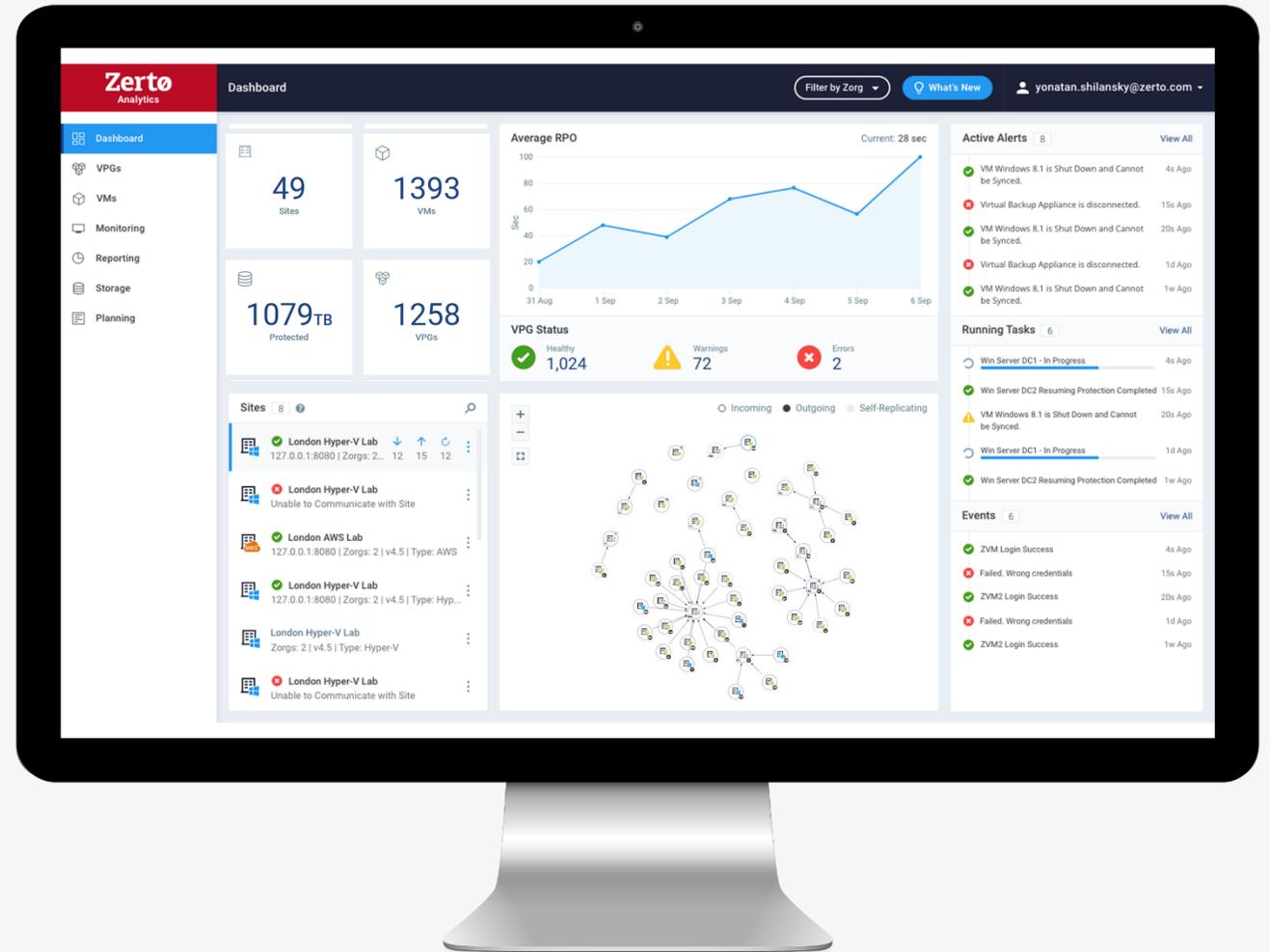
- ▶ Recover in minutes to seconds before an attack or disruption
- ▶ Fastest RPOs and RTOs
- ▶ Neutralise ransomware threats

Legacy vs. Journal-based Recovery



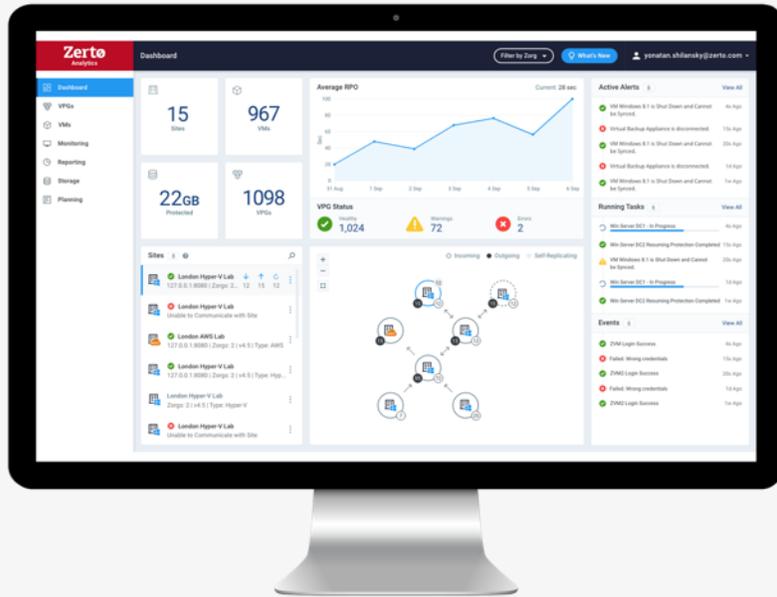
Orchestration, Automation and Analytics

- Easy interoperability with your existing tech stack
- Non-disruptive testing with ready-made compliance reporting
- Protect and mobilise at scale for 1000s of VMs and petabytes of data



Full multi-site visibility and predictive analytics

De-risk Your Recovery – instant, non-disruptive testing



- Up to 30 days recovery points
- Use the isolated Cloud for security investigation
- Export data from the isolated environment,
- Can identify encryption kick-off time
- Can recover in the cloud then replicate back to safe on-prem systems

Other new Zerto 10 Features

- ▶ Enhanced and expanded Microsoft Azure integration at Scale
- ▶ Secure Management Appliance
- ▶ Consolidation of Zerto administrative tools



Zerto 10 Demo



- Lab Engine
 - Lab Interface
 - Guide View
- Introduction
 - Connect to Azure and Pair Sites
 - Create VPGs
 - Ransomware Scenario 1
 - Ransomware Scenario 2
 - Ransomware Scenario 3
 - Ransomware Scenario 4
 - Wrapping Up

Zerto - Prod | Zerto - DR Site | vSphere - vcasa-left-prod01.zer...

Not secure | https://192.168.111.20/main/vpgs/list

Zerto - Production... | Zerto - DR Site | zLabs Microblog | Azure Portal | Zerto Azure | Prod - vCenter | DR - vCenter

Zerto VPGs

No running tasks | Site is OK

Search: [] Group by: None View: General 5 [] [] [] []

<input type="checkbox"/>	<input type="checkbox"/>	VPG Name (#V...)	VPG Type	Direction	Peer Site	Priority	Protection SLA	VPG State	Actual RPO	Operation
<input type="checkbox"/>	<input checked="" type="checkbox"/>	CRM - Remote (3)	Remote	→	DR Site	● ● ●	Meeting SLA	●	6 sec	⋮
<input type="checkbox"/>	<input checked="" type="checkbox"/>	File Server - Local (1)	Local	↔	Prod	● ● ●	Meeting SLA	●	18 sec	⋮
<input type="checkbox"/>	<input checked="" type="checkbox"/>	File Server - Rem... (1)	Remote	→	DR Site	● ● ●	Meeting SLA	●	6 sec	⋮
<input type="checkbox"/>	<input checked="" type="checkbox"/>	GNUSocial - Local (1)	Local	↔	Prod	● ● ●	Meeting SLA	●	18 sec	⋮
<input type="checkbox"/>	<input checked="" type="checkbox"/>	GNUSocial - Re... (1)	Remote	→	DR Site	● ● ●	Meeting SLA	●	6 sec	⋮

Prod

Failover Restore Move

Windows Taskbar: 11:49 AM 11/21/2023



Eoin Harford

Zerto Disaster Recovery : Free Trial

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- ▶ The POT test architecture is free of charge (nominal professional services fee to facilitate onboarding)

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Q & A



Find out more about our DR services:

www.ek.co/services/business-continuity/disaster-recovery/

