

Cybersecurity workshop IV

Zálohovanie je dôležité

Speaker



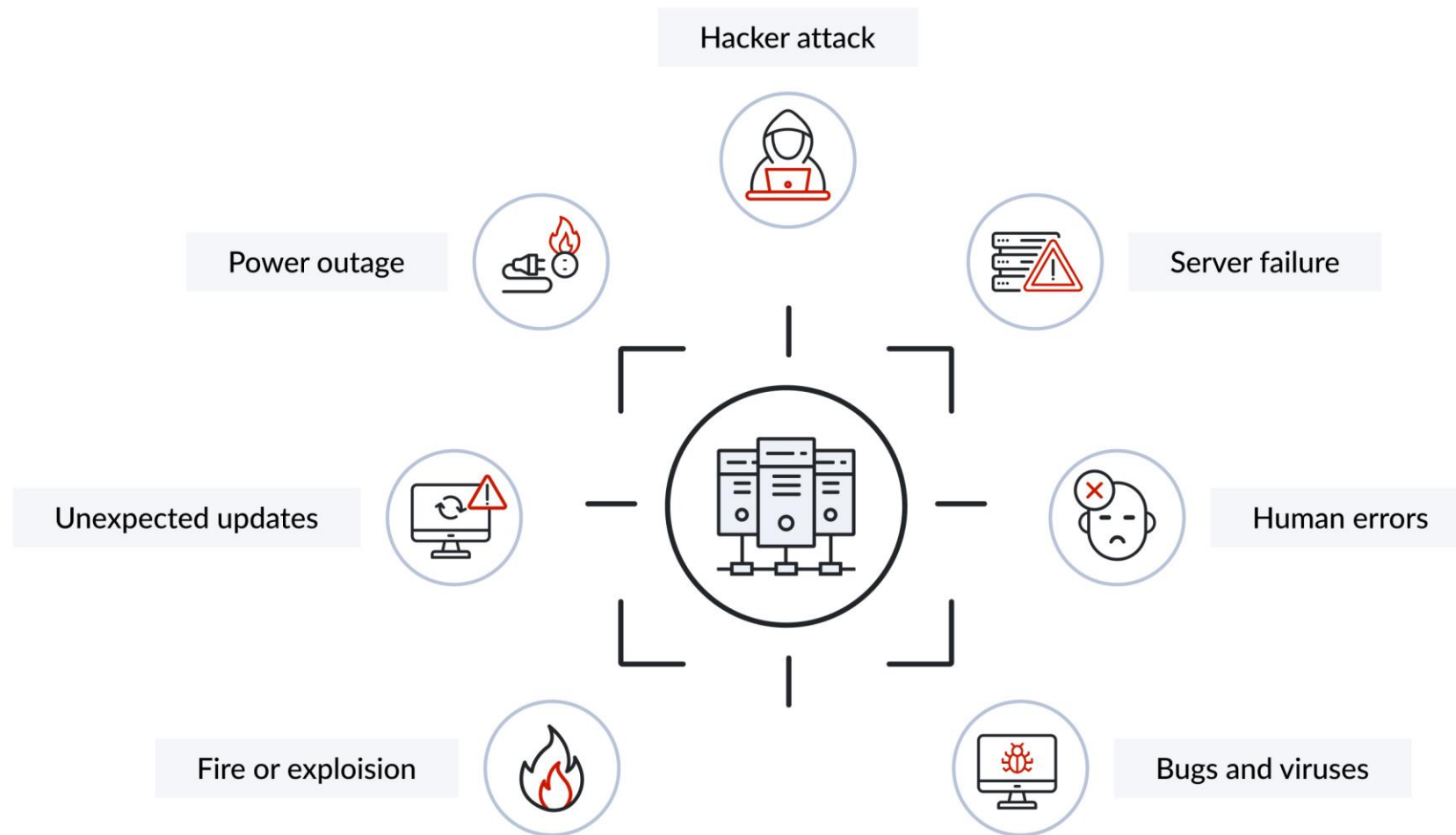
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Sr. Solutions Engineer,
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Agenda

- 1 What is Disaster Recovery (DR)
- 2 Ransomware damage costs
- 3 Key aspects of proper DR
- 4 What are the methods of DR
- 5 Disaster Recovery as a Service (DRaaS)
- 6 Virtualized DR
- 7 Most crucial DR aspects

What is Disaster Recovery

What is Disaster Recovery



Ransomware damage costs

\$1M - \$10M

Average reported losses*

\$265B

estimated to exceed annually by 2031**

10x

The downtime & recovery time cost is 10 times greater than the average ransomware payment***

*DBIR Report - SMB Data Breach Statistics. Verizon Business

**Cybercrime Magazine. Cybersecurity Ventures

***The State of Ransomware. Sophos

Key aspects of a proper DR

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○
DR
team



○
Identify
critical assets



○
Assess
risks



○
Set RPO
and RTO



○
Select proper
DR methods



○
Perform
testing



○
Conduct
training



○
Update DR
plan regularly

What are the methods of DR

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3-2-1-1 Backup Rule and Immutability



3 backup copies



2 on different
media types



1 stored off-site

+



1 offline copy
(air-gapped)

What are the methods of DR

Write Once Read Many (WORM)



LTO tape



Amazon S3 Glacier/
Microsoft Azure Blob Archive



CD-R

What are the methods of DR

Object Storage

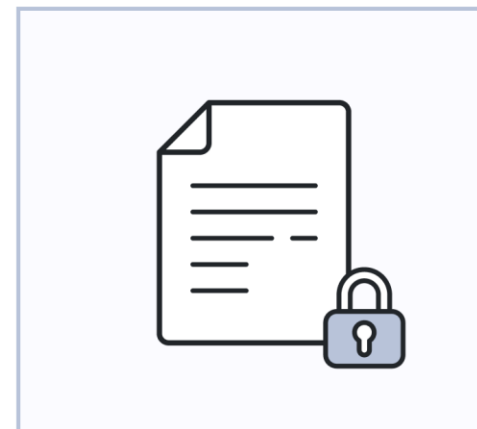


What are the methods of DR

Vendor-specific immutability



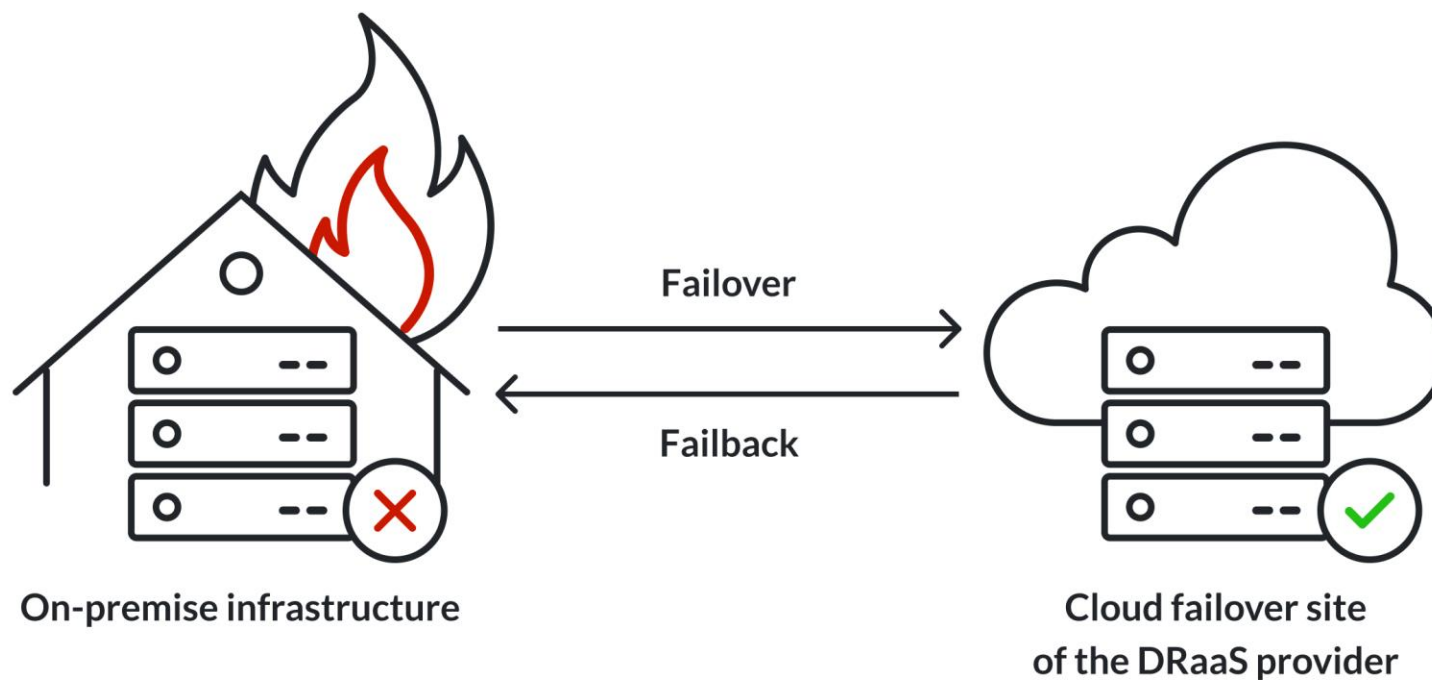
Read-only volume
snapshots technique



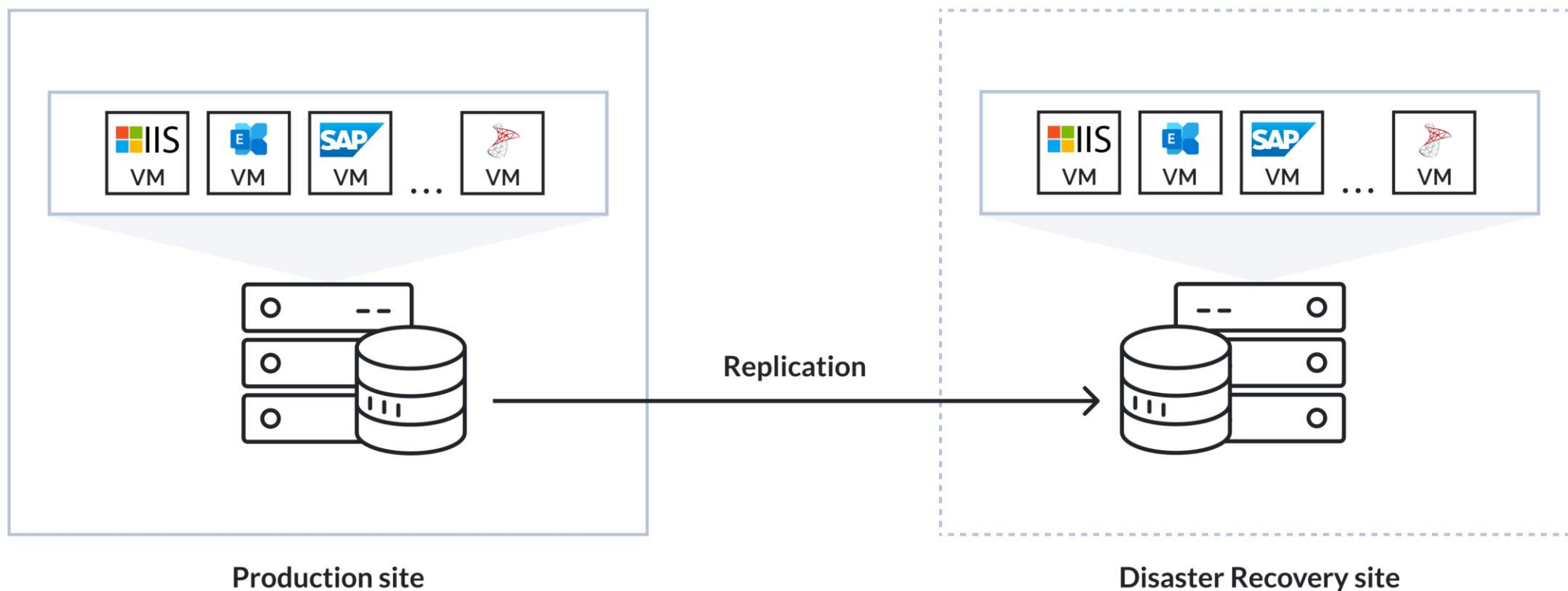
File locking technique

Disaster Recovery as a Service (DRaaS)

Disaster Recovery as a Service



Virtualized Disaster Recovery



Most crucial Disaster Recovery aspects

Most crucial Disaster Recovery aspects



Identify critical
assets



Set RPO and RTO



Select proper
DR methods



Conduct training



Thank you!