Protect your data in complex infrastructure landscapes

FUJITSU

More locations, more risk?

Private Cloud

Public Cloud

CLOUD

EDGE · CORE

Data Center 1

Data Center 2

Data Center 3

Sensors (IoT)

Smart devices

Smart Factories
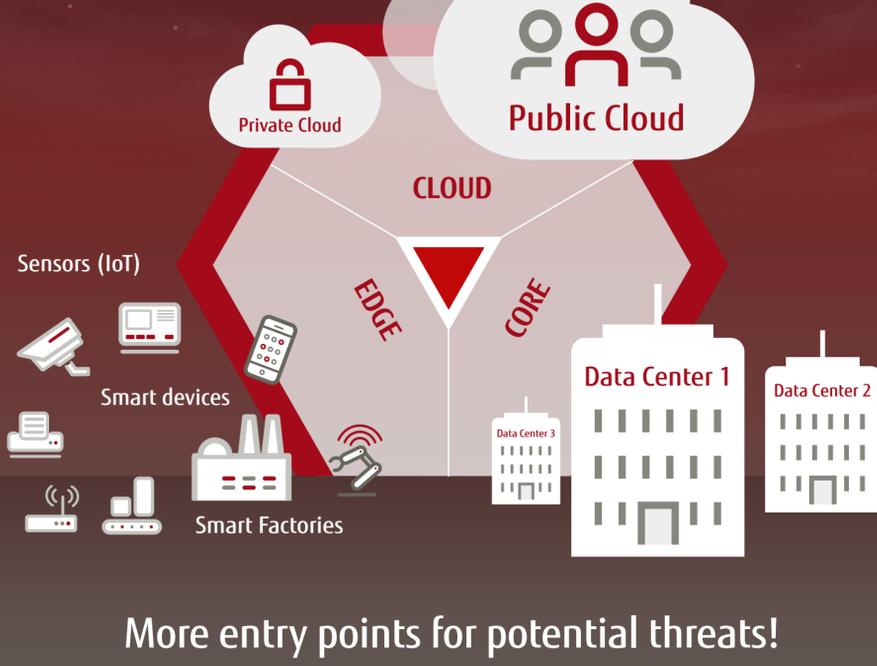
More entry points for potential threats!

Are you ready to protect your complex infrastructure?

Are there appropriate structures to:
- Preserve & archive data for future use?
- Manage growth in data volumes cost-effectively?

What happens to your business RIGHT NOW if:
- A user deletes important data?
- A storage system or whole IT site goes down?

Are there security mechanisms in place to:
- Protect data against cybercrime?
- Safeguard against data corruption?

Your data has to be an enabler for:

Business Growth/Agility
Flexible management of new / old data through advanced technology and policy-based retention

Business Continuity
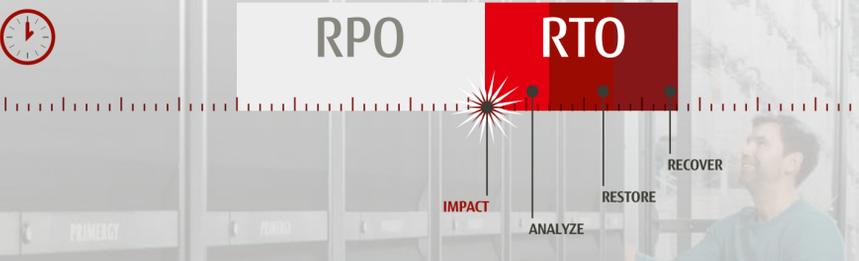Backup, recovery and supporting the high availability of data

Business Efficiency
Enhances or accelerates performance by supporting production storage

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How to protect your data and be an always-on business

If disaster strikes:

How much data are you willing to lose? (Recovery Point Objective, RPO)

Maximum time until your business is recovered? (Recovery Time Objective, RTO)

Data OK | All modifications lost | Application down | Application on

RPO | **RTO**

IMPACT · ANALYZE · RESTORE · RECOVER

How to decide:

Find out what data you have: search and discovery

Optimize cost: no need to overprotect! Centralize & automate to keep cost down
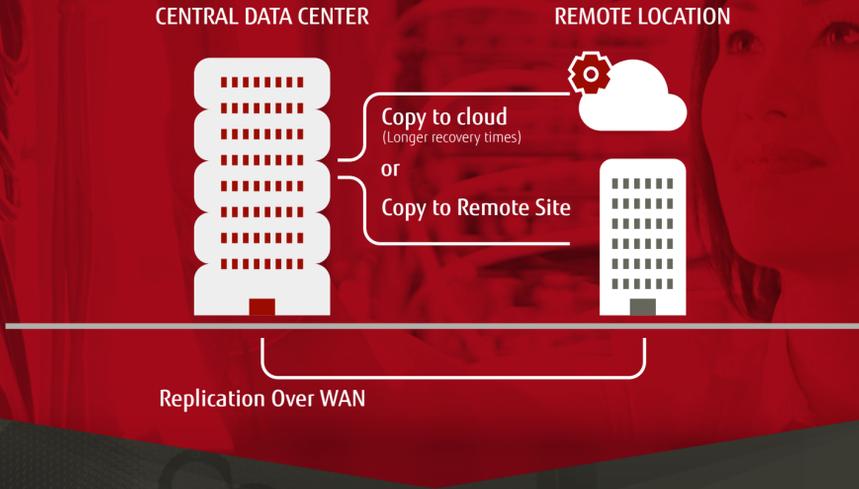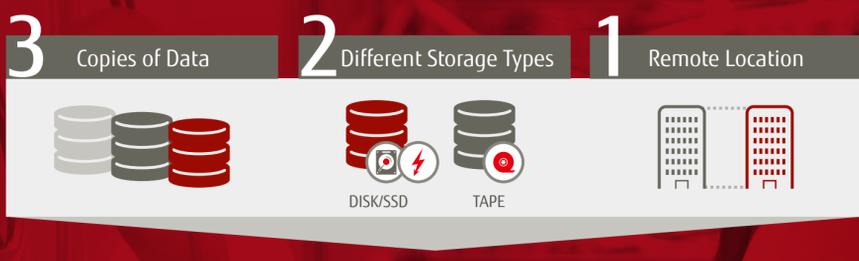
Archive what is appropriate & delete the rest

→ The time to think about data protection is the START of a project.

Measure data protection in:

Mirror	Access data in case the site goes down with Mirror/Replication functionality	SECONDS
Asynch replication	Replicate data to other sites/media in line with RPO/RTO	MINUTES
Snapshots	Deep integration with virtual environments; Retain all restore functionality – single file, folder, VM, database, application	HOURS
Traditional backup – Incremental / Full	Ability to "travel back in time" to access (multiple) older data copies in case newer ones are damaged or deleted; Ability to maintain a cross media mix with physical / logical separation; Meet aggressive RPO/RTO goals with mirror/replication/snapshot; Operate smart economics with backup solutions to handle frequent data changes and long distances	DAYS

PROTECTION AGAINST NUMBER OF THREATS

A Simple Rule: 3 - 2 - 1

3 Copies of Data

2 Different Storage Types
DISK/SSD · TAPE

1 Remote Location

CENTRAL DATA CENTER

REMOTE LOCATION

Copy to cloud (Longer recovery times)
or
Copy to Remote Site

Replication Over WAN

Fujitsu protects your data in complex infrastructure landscapes

Data protection appliances
Execute data handling tasks directly on the storage
✓ E.g., replication, deduplication, mirroring, data copies, tape migration...

Software and application integration
Use appliances and bridging the gap to online storage with moving data
✓ E.g., Moving snapshots to a backup destination, combine incremental forever with synthetic full backup approaches

Integrated data protection appliances
Complement hyper converged infrastructures with out-of-the-box solutions
✓ E.g., fast time to production, proven standards, easy to multiply

Take advantage of comprehensive Data protection solutions from Fujitsu.

→ Discover more at www.fujitsu.com/global/dataprotection

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