



# 1Backup

*CyberSecurity per la PMI*

Data

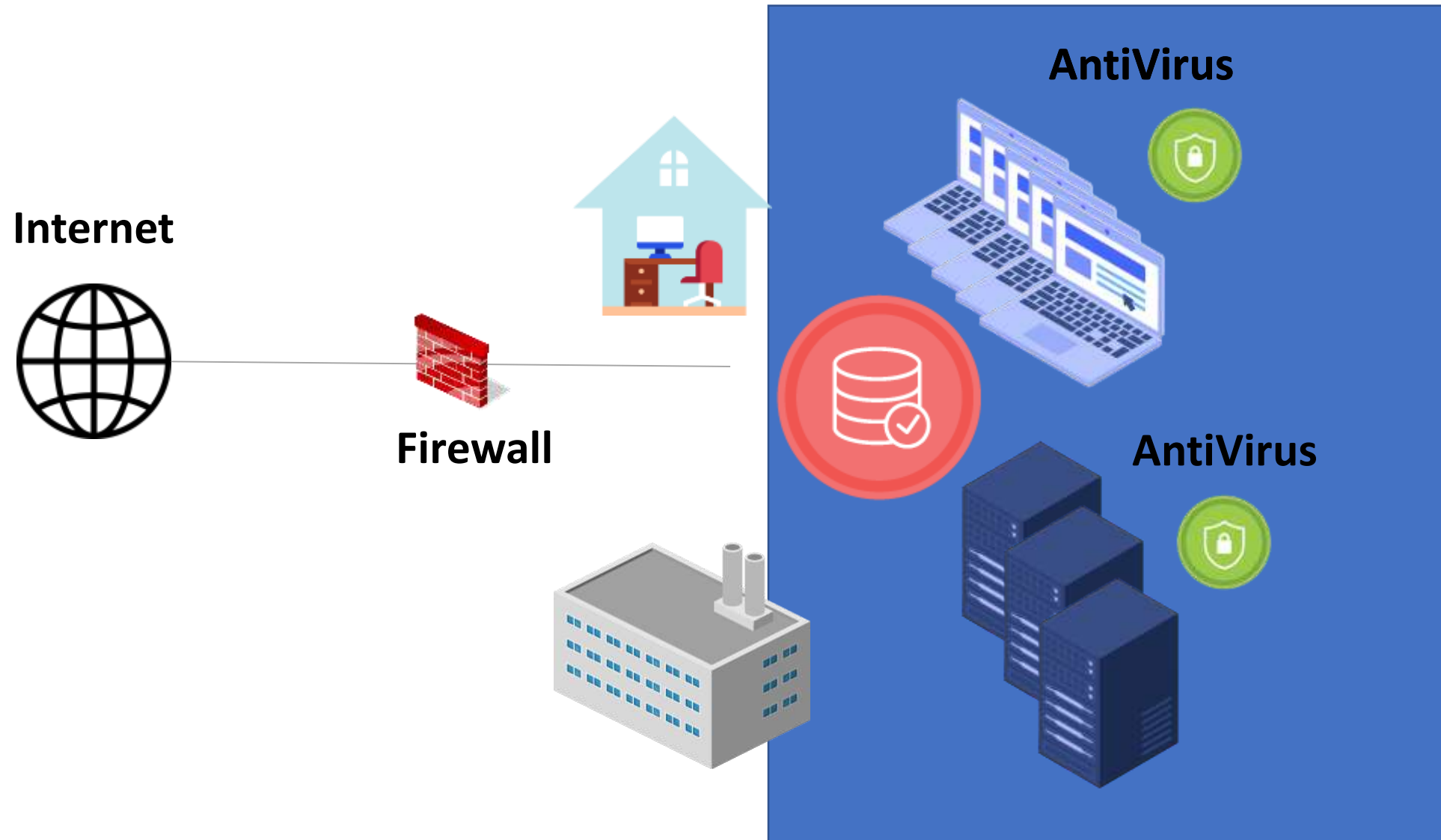
CoreTech

**Nei prossimi 12 mesi pensi di**

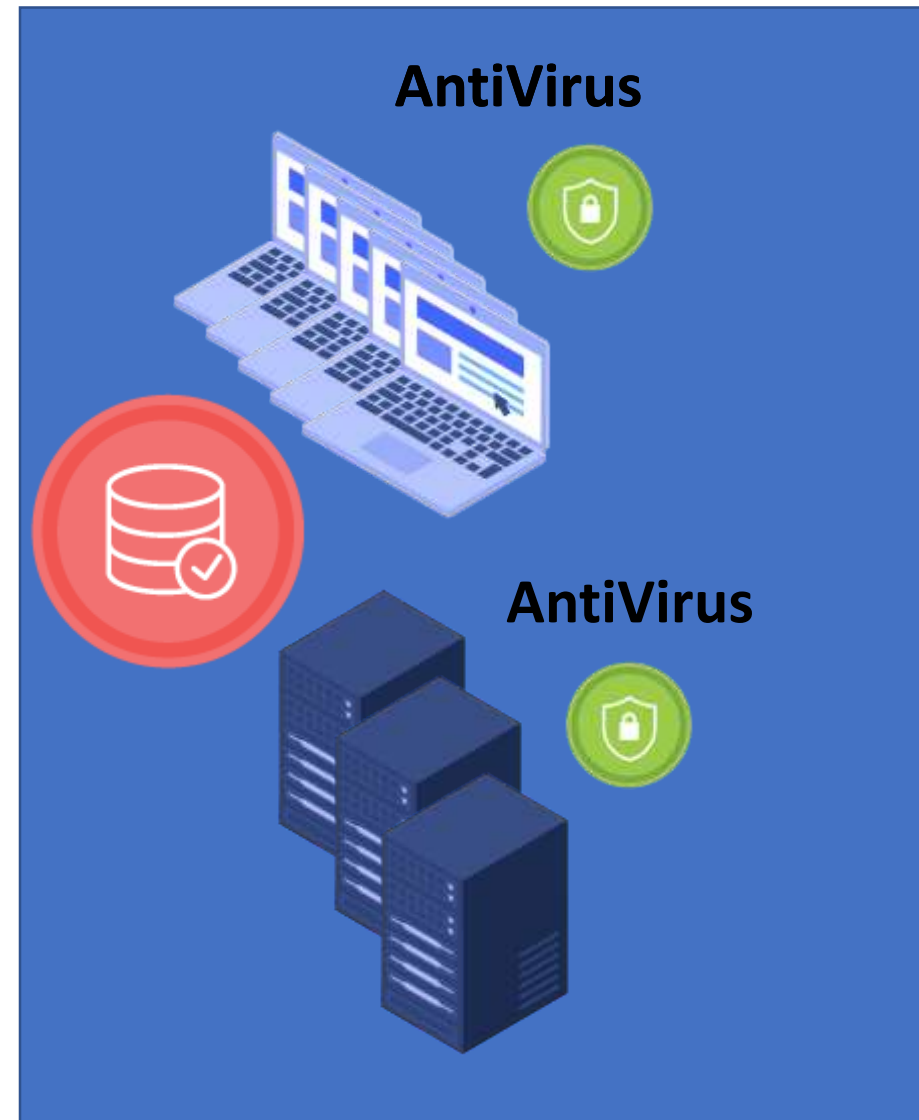
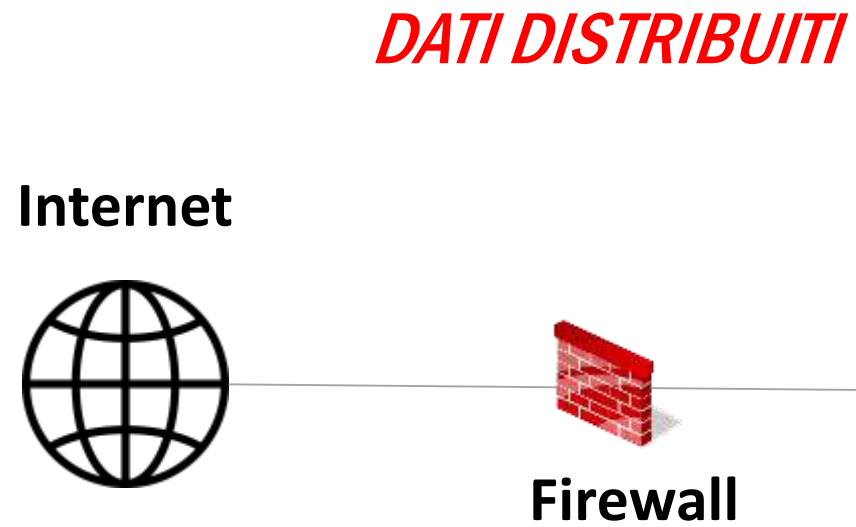
**Essere immune da Attacco Informatico ?**

**Aumentare il Fatturato ?**

## Modello tradizionale di rete aziendale



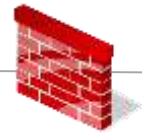
## Modello distribuito del dato aziendale



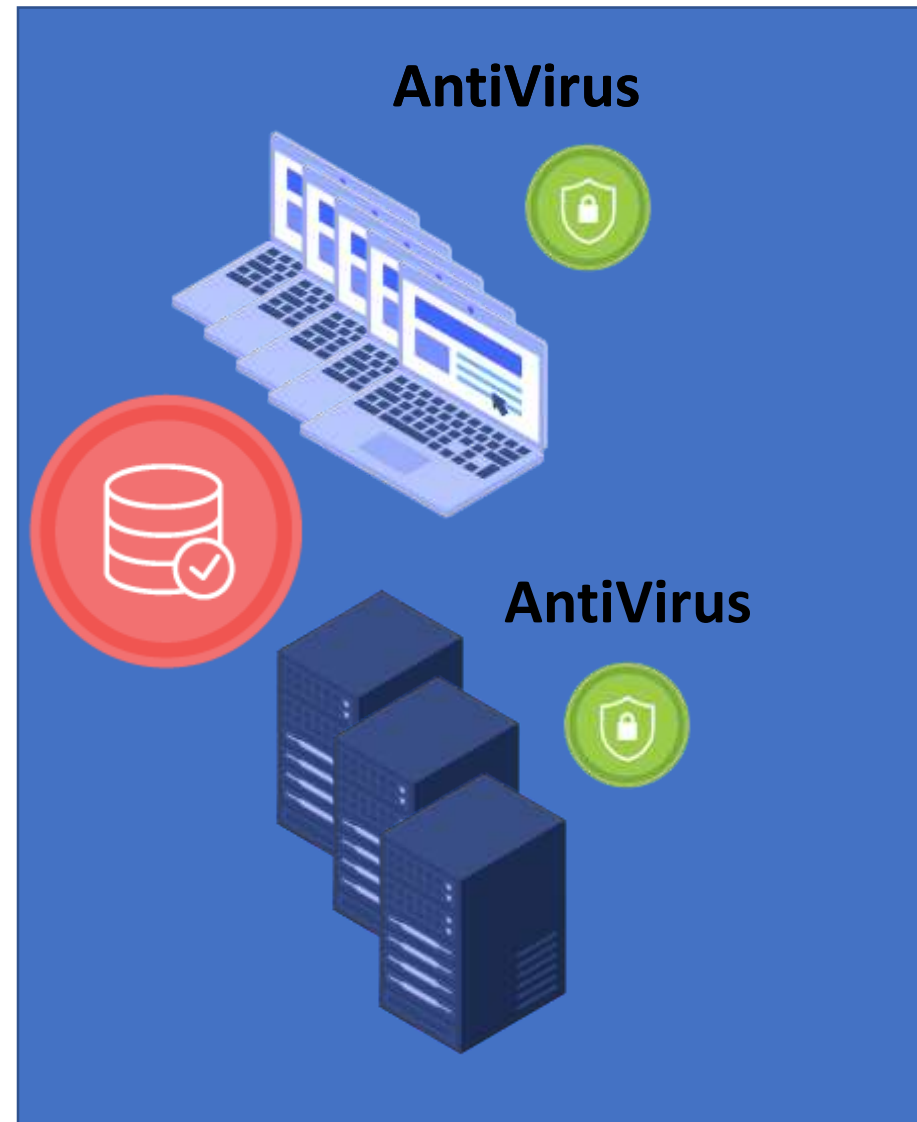
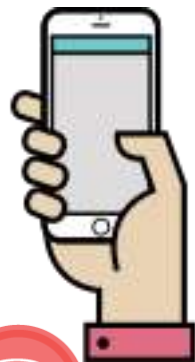
# Modello distribuito del dato aziendale

***DATI DISTRIBUITI***

Internet

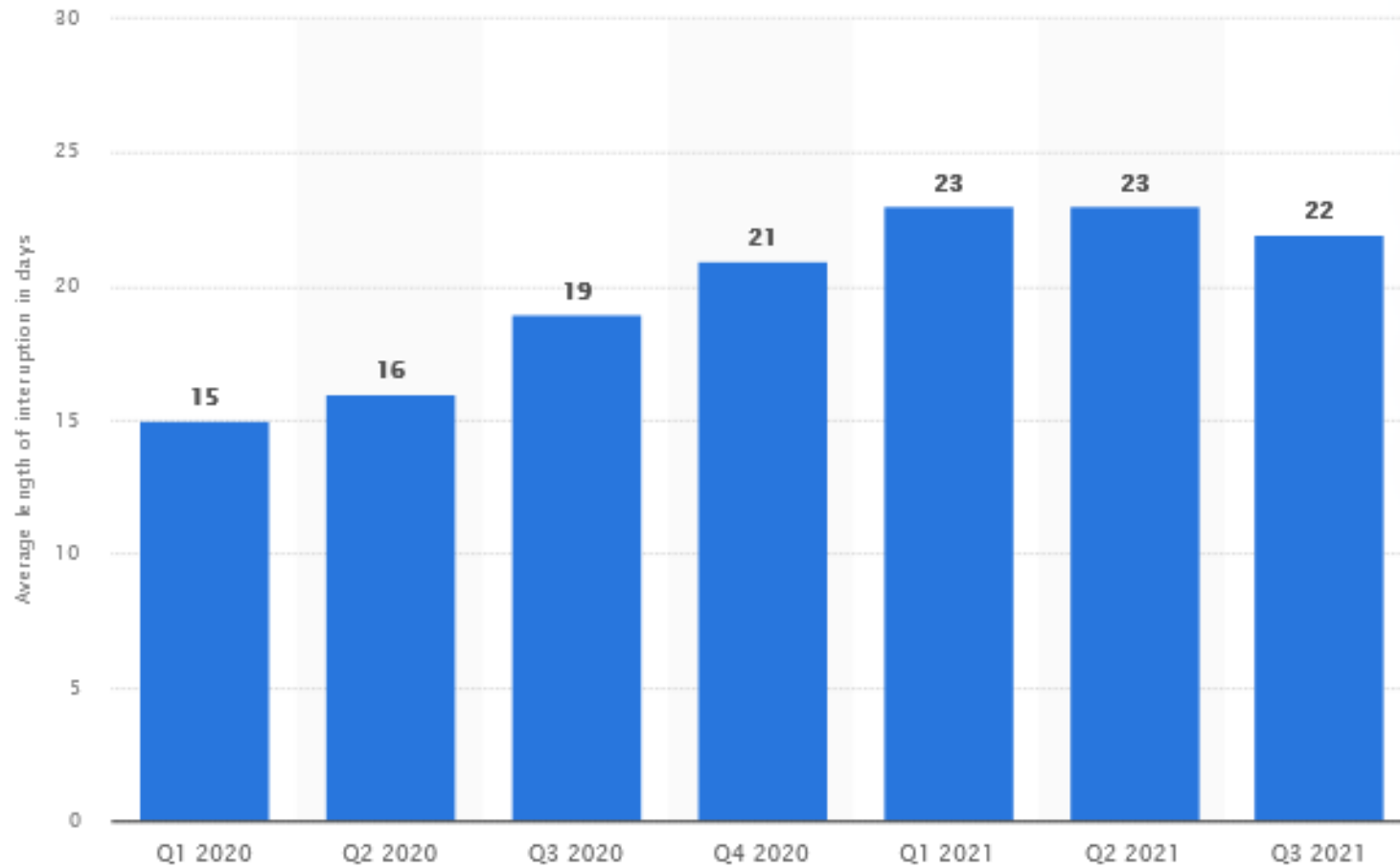


Firewall



**Gli attacchi informatici  
stanno aumentando**

## Durata media in giorni di downtime dopo un' attacco informatico



# PERDITA DEL DATO

## Perdita parziale

- Cancellazione involontaria dei dati
- Cancellazione da parte di ex-dipendenti di una parte dei dati

## Cancellazione sistemica

- Cryptlocker
- Attacco hacker



# Recupero dei dati

# Controllo e restore dei Backup

## Controllo dei backup

- Chi controlla che i backup sono stati programmati correttamente ?
- Chi controlla che i backup sono andati a buon fine ogni giorno ?

## Verifica che i dati sono recuperabili

- Chi verifica che i dati del backup sono recuperabili ?

# Scalabilità dei controlli

Stack
Look for products and resource... 
🗨️ ⚙️

### Jobs Timeline (107 result) rows: 24 | << < 1 of 5 > >>

**Agent**

All

**Tag:**

Enter tag ...

**Date range:**

01/07/21 - 31/07/21

**Status**

Error

Warning

Success

Not Finished

**Checked**

All

Checked

Not Checked

**Last 2 Days**

**Type**

Job Check

Job Restore

All

Apply Filters

List	July 2021																															
	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Kerio_config	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Kerio_Storage	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
BackupSet-Mail	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2		
Dati_Milano	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
Dati_Roma																																
bck notebook	✗	✓			✗	✓	✗	✓	✗								2															
bck_continuo																																
default-backu...																																
test filtri																	2															
DATI_NAS	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
KC-Conf	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
KC-Store	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
Dati	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
Backup-CL2H...																																
Backup-core...	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
Backup-core...	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
Backup-cores...	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2		
MySQL	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
Siti-CoreTech	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
Kerio Config	✗	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
Store	✗	2	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
Kerio Config	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
Kerio Store	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
Kerio Config	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		

**cleaningservice** 32.95% [13.18G / 40G] Host: 1

**DATI\_NAS 2021-07-21 (FILE)**

STOP SUCCESS (0 NEW, 0 UPDATE)

**Working Time** 01:50:35

**Files**

New 0 (0 B)

Update 0 (0 B)

Deleted 0 (0 B)

Moved 0 (0 B)

Copied 0 (0 B)

[LOG Detail](#)

**Notes**

No notes for this Job

**Backup Job Last 2 Days**

Check/Total  13/118

Success ■ 93

Warning ■ 17

Error ■ 8

Not Finished ■ 1

# Scalabilita' dei controlli

Stack

Look for products and resource...



## Jobs Timeline (107 result)

rows: 24 << < 1 of 5 > >>

Agent  
All

Tag:  
Enter tag ...

Date range:  
01/07/21 - 31/07/21

Status  
 Error  
 Warning  
 Success  
 Not Finished

Checked  
 All  
 Checked  
 Not Checked

Last 2 Days

Type  
 Job Check  
 Job Restore

All

Apply Filters

List	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
July 2021																																
Kerio_config	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	
Kerio_Storage	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	
BackupSet-Mail	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	
Dati_Milano	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	
Dati_Roma																																
bck notebook	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	
bck_continuo																																
default-backu...																																
test filtri																																
DATI_NAS	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	
KC-Conf	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	
KC-Store	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	
Dati	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	
Backup-CL2H...																																
Backup-core...	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	
Backup-core...	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	
Backup-cores...	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	
MySQL	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	
Siti-CoreTech	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	
Kerio Config	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	
Store	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	
Kerio Config	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	
Kerio Store	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	
Kerio Config	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	

cleaningservice 32.95% [13.18G / 40G] Host: 1

DATI\_NAS 2021-07-21 (FILE)  
 STOP SUCCESS (0 NEW, 0 UPDATE)

Working Time 01:50:35

Files  
 New 0 (0 B)  
 Update 0 (0 B)  
 Deleted 0 (0 B)  
 Moved 0 (0 B)  
 Copied 0 (0 B)

LOG Detail →

Notes  
 No notes for this Job

Backup Job Last 2 Days

Check/Total  13/118  
 Success 93  
 Warning 17  
 Error 8  
 Not Finished 1



## Timori

- La mia linea non e' performante
- Io ho molti dati
- Ci sono altri che posso leggere i miei dati

## 3 copie del dato



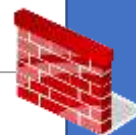
**CoreTech  
DataCentre Italia**



**CoreTech  
DataCentre UE**



**Firewall**

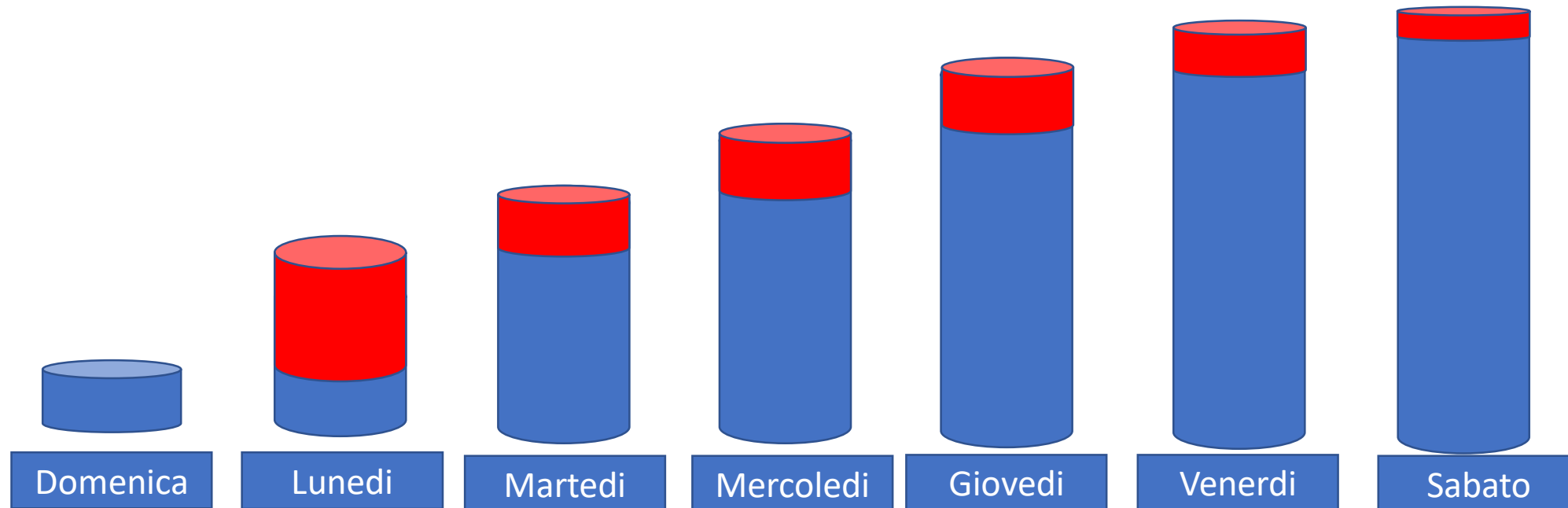


# Trasferimento Incrementale



1Backup e' ottimizzato per il trasferimento dati che sono cambiati

- Il backup intero può iniziare durante il fine settimana
- Ma durante la settimana copia solo gli incrementi e le differenze



# Retention



## Esempio di 7 giorni di retention



Lunedì

Martedì

Mercoledì

Giovedì

Venerdì

Sabato

Domenica

Lunedì



## Esempio di 7 giorni di retention

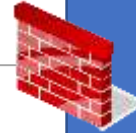
- Il backup giornaliero permette di avere la possibilità di avere fino a 7 copie
- Ma copia solo gli incrementi e le differenze durante la settimana



# Dato Crittografato



Firewall



## **Cosa chiedere a chi fornisce i servizi IT**

- 1) Backup dati nel cloud e in azienda**
- 2) Controlli e verifiche dei backup**
- 3) Aiuto a fare la revisione di cosa copre il backup**

GRAZIE

# CoreTech



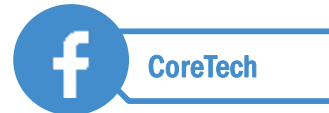
Viale Ortles, 13 20139 MI



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CoreTech



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