

How Veeam can help with NIS2 directive

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What does it mean



What is NIS2

Which obligations does the NIS2 directive impose?

Duty of care

You must carry out a risk assessment. Based on this risk assessment you should take measures to guarantee continuation of services as much as possible and protect the information used.

Duty to report

You have to report incidents to the supervising authority within 24 hours. It concerns incidents that (can) significantly disrupt the provision of the essential services. Does it concern of a cyber incident? Then this must also be reported to the Cyber Security Incident Response Team.

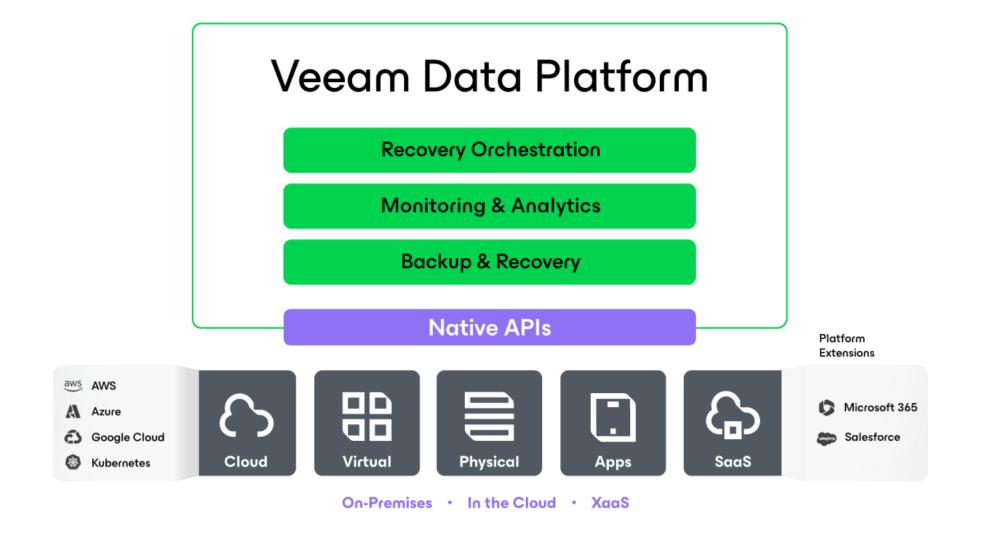
Supervision

Organizations covered by the NIS2 directive will be under supervision. The supervisory body will look at compliance with the obligations of the directive, such as the duty of care and the duty to report. It is currently being worked out which sectors will fall under which supervisory body.



How can Veeam help?

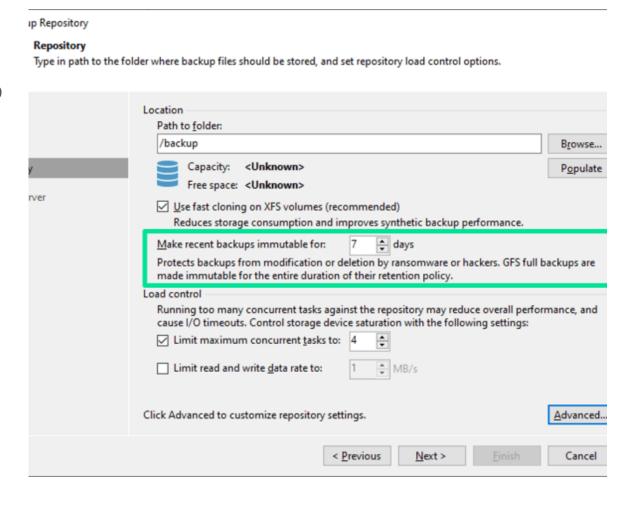




NIS2 goal: maintaining data integrity; preventing and minimizing the impact of cybersecurity incidents

Veeam immutable backups can help prevent ransomware attacks and unauthorized deletions and changes by making backup data impervious to modifications.

It works across all supported workloads in any environment – physical, virtual, cloud

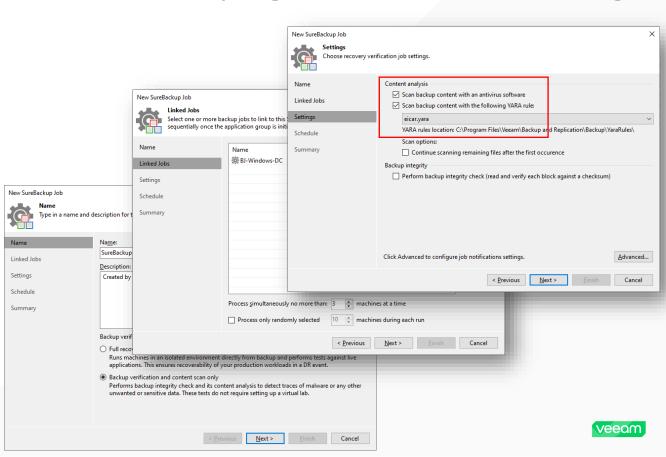




NIS2 goal: safe recovery from incidents

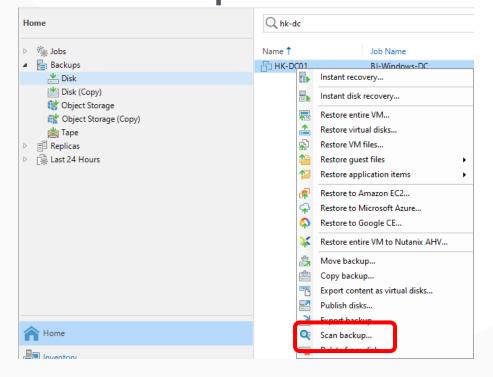
Veeam offers **secure restore** features that can verify the backup integrity and scan for malware before data is restored, thus helping to avoid reintroducing threats into the environment.

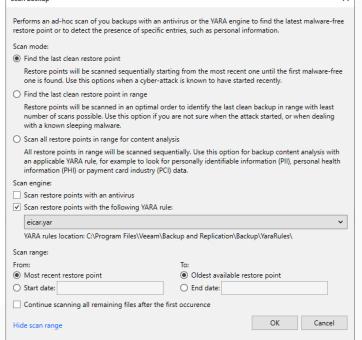
Settings General Veeam Incident API Notifications Encryption detection ▼ Enable inline entropy analysis Uses AI/ML to detect previously unencrypted data becoming encrypted in processed disk images, which is often an indication of a ransomware attack. Increases backup proxy CPU load. Sensitivity: Extreme sensitivity will alert on a smallest data set getting encrypted and can thus generate many false positives. Low sensitivity is ideal for environments v Event Details General HK-1944-enrcy Credentials & Passwor Activity date: 10/2/2023 11:05 AM Users & Roles Built-in detection engine LAB\SYSTEM Initiated by: Malware Detection Status: Suspicious Details: Possible malware activity detected



NIS2 goal: safe recovery from incidents

Veeam allows to scan backups **on demand** giving flexibility of scanning any restore point at any given time. This is applicable to backups created **with older versions of our products.**

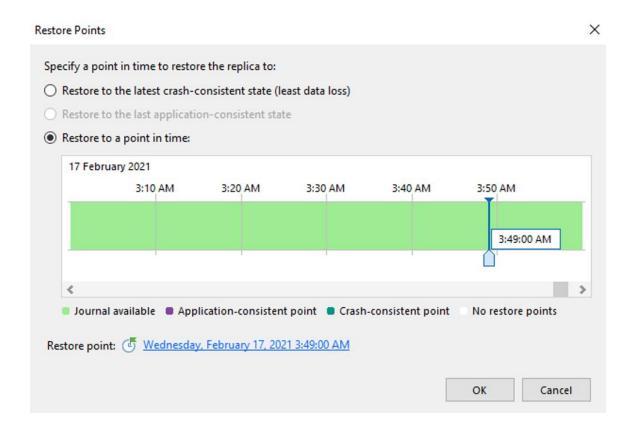






NIS2 goal: resilience and quick recovery

Veeam's **Continuous Data Protection** can provide near-zero recovery point objectives (RPOs) for critical workloads, ensuring that businesses can recover their data quickly in the event of cyber incidents or data corruption.

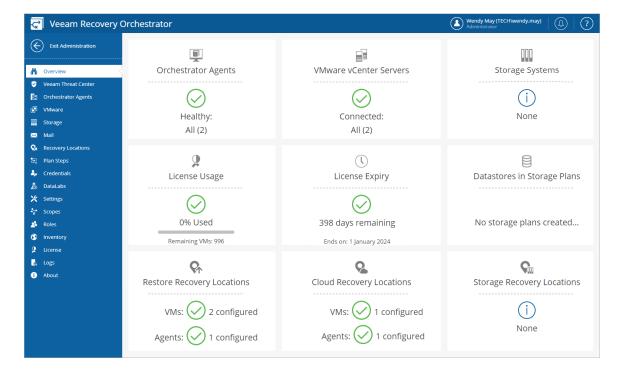




NIS2 goal: resilience and quick recovery

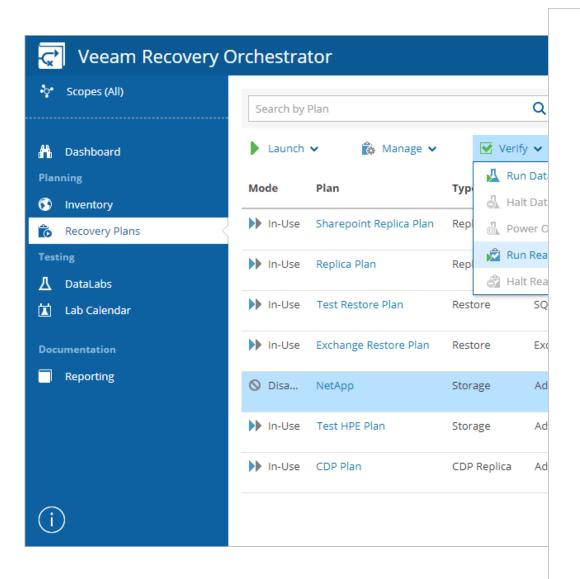
Through **Veeam Recovery Orchestrator**, businesses can automate and simplify disaster recovery planning, ensuring that they are prepared for a wide variety of scenarios

- With VRO organisation can create DR plans and test them to ensure they will work when they need it most
- Documentation of DR plans is updated automatically
- VRO can automate recovery, orchestrating all recovery workflows and help to speed up recovery regardless where DR site is (on-prem or cloud)





Orchestration - Daily Readiness Report



Summary

Result	Details
[!] Warning	1 Warnings

Execution Details

Item	Details
Run/Scheduled By	Olivia Dias (TECH\olivia.dias)
Duration (HH:mm:ss)	00:00:03

Plan

Result	Group	Details
✓ Ready	Pre-Plan Steps	No errors
[!] Warning	Replication Job for Testing:172.24.28.186	1 VM(s) with warnings
✓ Ready	Post-Plan Steps	No errors

RPO

Result	Check	Details
[i] Info	RPO	Target RPO is 24:00:00 (HH:mm:ss)
× Not ready	Target RPO Met	No
× Not ready	Number of RPO failures	1
× Not ready	Worst RPO failure	Restore point age 317:39:03 (HH:mm:ss)

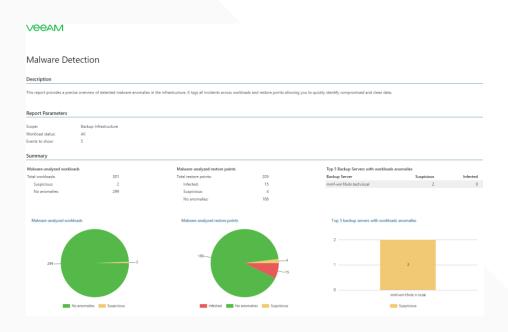
Licensing

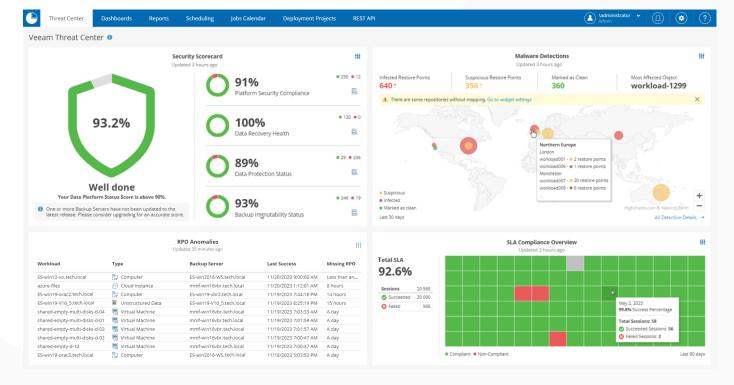
Result	Check	Details
[i] Info	Summary	0 of 125 license instances used
✓ Ready	Usage	0 licenses are used in this plan (0 managed VMs, 1 new)
✓ Ready	Expiry	The license will expire in 397 days
✓ Ready	Exceeded	The license limit is not exceeded on the Orchestrator server



NIS2 goal: compliance with risk management and reporting obligations

Utilizing Veeam ONE, the Veeam Data Platform Premium offers solutions for real-time monitoring, reporting, and capacity planning for the backup infrastructure.



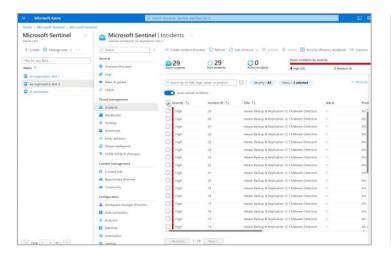


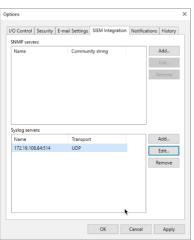


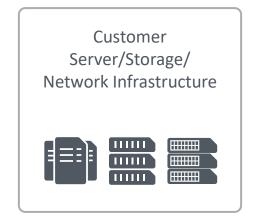
SIEM Integration – Example: Microsoft Azure Sentinel

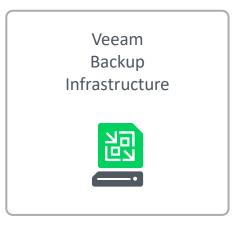
Infrastructure and backup environments in a single pane of glass for your security

- Use Veeam Backup & Replication with Microsoft Azure Sentinel to forward all Veeam events, ransomware, or virus detections.
- Events forwarded through SYSLOG
- Veeam provides customers with the flexibility to interpret Veeam events in a customer own created parser to build own alarms, dashboards, and reports.





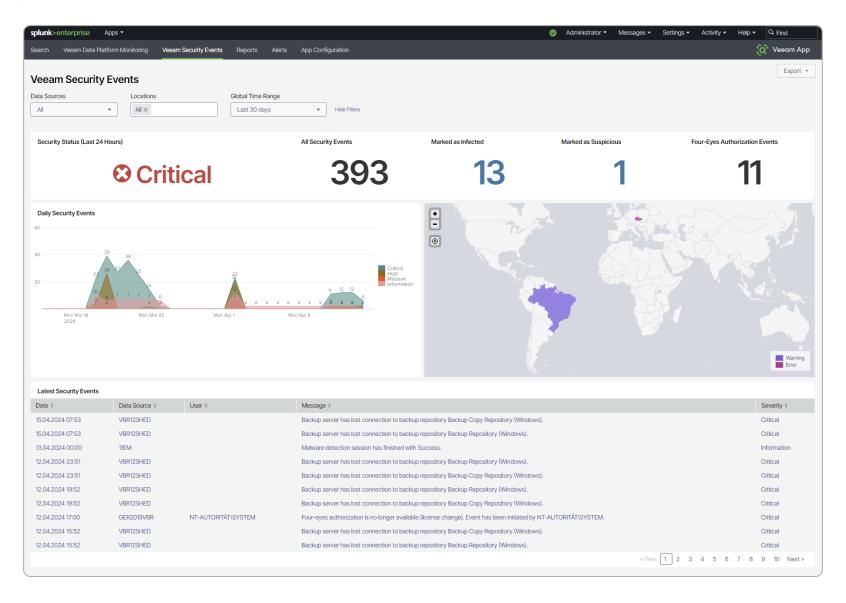








SIEM Integration – Veeam app for Splunk



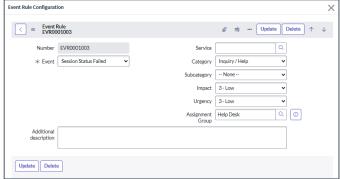


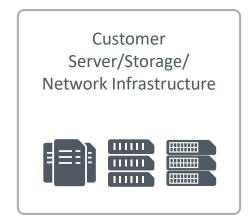
ITSM Integration – ServiceNow

Infrastructure and backup environments in a single pane of glass for your security

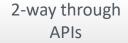
- Veeam offers a ServiceNow plug-in to automate and manage Veeam from ServiceNow including tickets for Veeam alarms and status changes.
- SIEM solutions with integrations in ServiceNow can be leveraged to integrate through ServiceNow with Veeam.









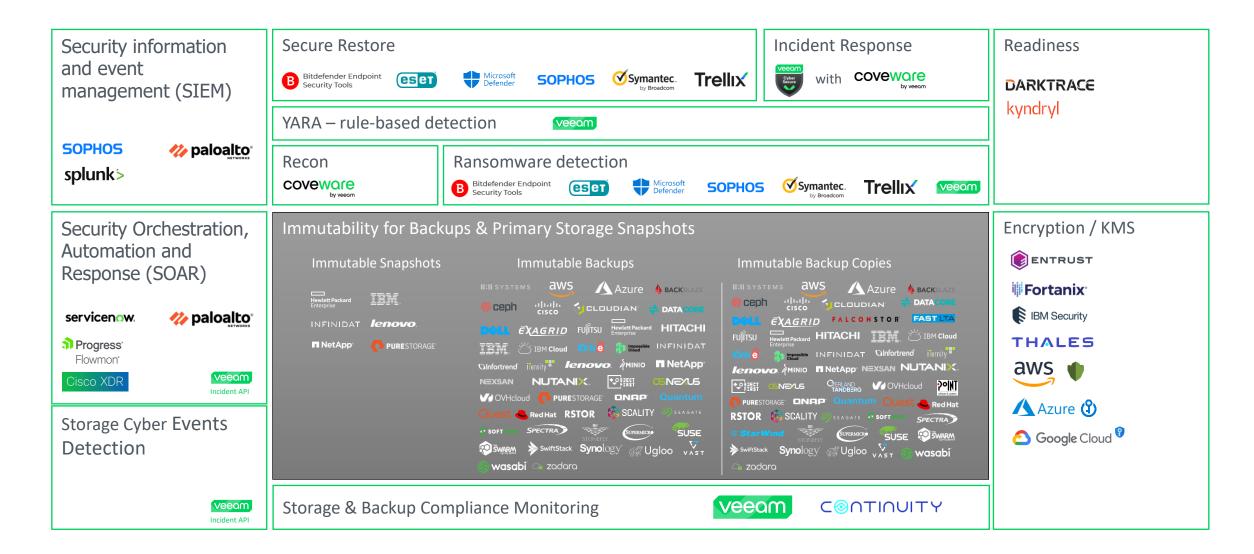




Other SIEM Solutions



Veeam Cyber Resiliency - Ecosystem



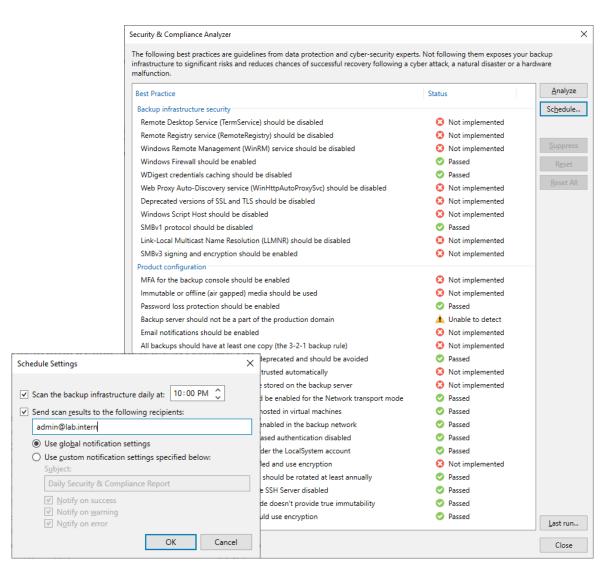
NIS2 goal: Risk Analysis and information system security

VBR Improved Security & Compliance Analyzer

Backup Infrastructure & Product Security

- Password requirements
- Configuration backup encryption
- Outdated TLS versions
- Reverse Incremental deprecated
- And many more...

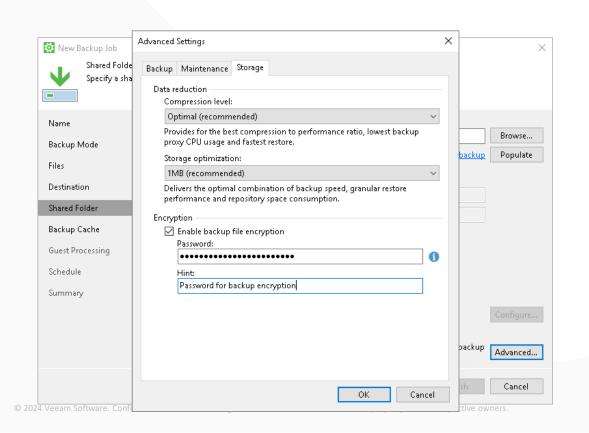
Runs by schedule or manually

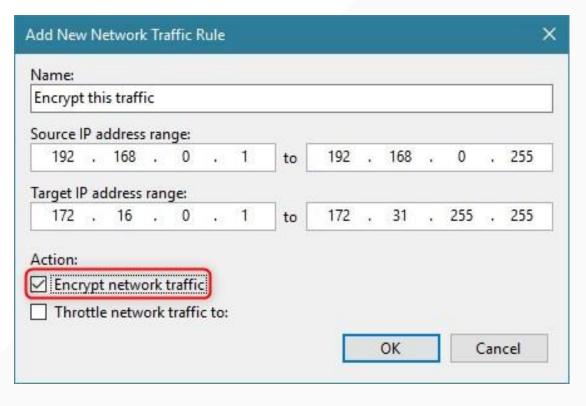




NIS2 goal: data confidentiality and integrity

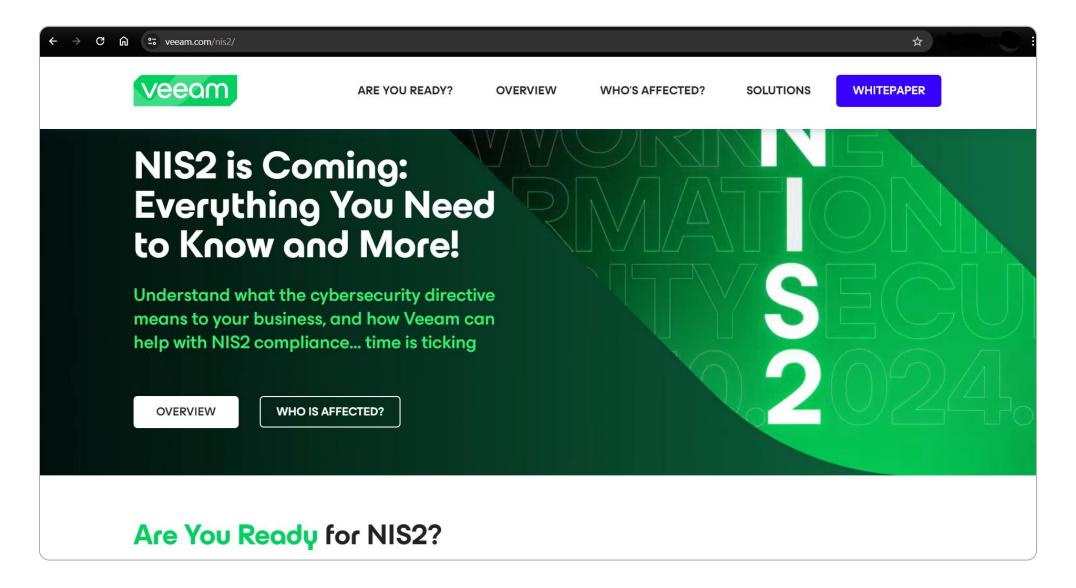
Veeam provides options to encrypt backup data at rest and in transit, helping to protect sensitive data from unauthorized access or interception.







Veeam Go-To NIS2 site





Veeam Go-To NIS2 resources

NIS2 Compliance Checklist



Discovered that you need to comply with the NIS2 directive? Knowing what steps to take to be compliant is not an overnight fix. We've created this handy checklist, so you can work out a plan of action. The penalties for non-compliance can be severe, make sure you know what is

at stake that you, as an individual and your organization could face. Here, we focus on articles 21 and 23 which outline the requirements needed to comply. Visit our website to understand more about NIS2 and how your business could be affected.

NIS2 Article

21-2(a): policies on risk analysis and information system security;

21-2(c): business continuity, such as backup management and disaster recovery, and crisis management;

21-2(i): human resources security, access control policies and asset management;

23-4(a) and (b): Report to CSIRT (...) without undue delay and in any event within 24(a)/72(b) hours of becoming aware of the significant incident,

Ask yourself... and tick when you can confidently answer

- Do I know what risks I have in my current environment?
- Do I have insights in internal and external factors?
- Can I recover within agreed Recovery Time Objective when disaster strikes?
- Do I have backups of all important systems?
- I moved workloads to the cloud, are they safe?
- Can I recover quickly from outages without spare resources?
- O Do we have a cybersecurity hygiene policy?
- Can I keep out non-authorized users?
- Am I still relying on insecure passwords?
- Can a rogue administrator impact my recovery options?
- Have I educated all staff about safely handling data?
- How do I know which systems are impacted?
- How do we handle vulnerabilities and disclosure?
- How do I report to my Computer Security Incident Response Team (CSIRT)?
- Can I meet the report deadlines when my systems are down?

How the Veeam Data Platform can help

Foundation: Built-in security and compliance check

Advanced: Anomaly and trend reports

Premium: Daily readiness reports

Foundation: Tags ensure that new workloads are backed-up

Advanced: Full overview of your workloads, anytime, anywhere

Premium: Recover to Azure as your spare DC

Multi-Factor Authentication and role-based access control

Support for external Key Management systems

Immutable on-prem and cloud repositories

Built-in Malware and YARA rule scanning to identify impacted systems

Preconfigured reports ready to submit to CSIRT

Best practices to ensure Veeam report availability

Fill the gaps in your cybersecurity with Veeam

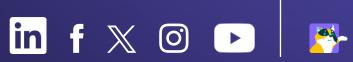
Not in the EU and think you're exempt? Sad news, you're not... NIS2 impacts supply chains and is far reaching. Talk to us today and see how we can help start your journey to compliance now.

LET'S TALK





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