

ALGOSEC FOR GDPR



General Data Protection Regulation (GDPR) is a multi-faceted security standard created by the European Parliament to protect personal information handled by companies located in the EU, as well as manage certain processes related to exporting personal data out of the EU.

GDPR includes three articles related to network security:

- Article 32 mandates that controllers and processors implement appropriate technical and organisational measures to ensure a level of security appropriate to the risk.
- Article 35 requires organisations to conduct data protection impact assessments (DPIA).
- Article 83 requires controllers and processors to evaluate the risks inherent in the processing of data, and then implement risk mitigation measures.

GDPR does not yet have an approved implementation framework or reporting structure for these articles. Therefore, the “Big Four” audit firms and professional associations, such as ISACA, have not published guidelines for how GDPR compliance audits should be conducted, and what specific steps organisations need to take to prepare for an audit.

New regulations, however, typically rely on implementation frameworks used by other verticals. The ISO 27001 standard is the most relevant to this case, as it covers many security best practices, without specifying the type of information that needs to be protected. AlgoSec, therefore recommends adhering to the network security requirements of ISO 27001 in order to comply with GDPR.

Align Network Security with GDPR Requirements Using AlgoSec

AlgoSec is an automation solution for network security policy management. It provides end-to-end visibility and analysis of the network security infrastructure (including firewalls, routers and cloud security groups), as well as business applications and their connectivity flows — across cloud, SDN and on-premise enterprise networks.

With AlgoSec, users can automate time-consuming security policy changes – with zero touch; proactively assess risk and ensure continuous compliance; and quickly provision, modify, migrate or decommission network connectivity for business applications to speed up delivery into production, and much more.

AlgoSec’s GDPR support enables users to:

- Generate a GDPR compliance report for all applicable network security devices, at the click of a button.
- Get an up-to-date accurate snapshot of the organisation’s compliance status.
- Immediately pinpoint gaps in compliance, and get actionable recommendations for remediation.
- Proactively assess GDPR risk and compliance for every firewall rule change, to help ensure continuous compliance.

GDPR Control	AlgoSec Feature	Setting	Details	Status
A.12.1.2 Change management	Change History	On	No previous records available	✓
	Change Management	OFF	The AlgoSec FireFlow product performs a “what-if” risk check on every change request (prior to implementation). To learn more about AlgoSec FireFlow please visit the AlgoSec web site , or contact your AlgoSec representative. AlgoSec FireFlow is licensed, but not activated, in your environment.	✓
	Scheduled Analysis	OFF		✓
	E-Mail Notification	OFF	These users get an email when the following occurs: None	✓
A.12.1.3 Capacity management	Rule Reordering	OFF	The AlgoSec Firewall Analyzer Rule Reordering feature provides recommendations for optimizing the device rules for best performance, which allows reduction in CPU utilization and improved network capacity. The recommendations exist only if usage data is collected, for further information refer to the Optimize Policy tab .	✓
	Storage Capacity	On	Folder allocated for AlgoSec reports: /home/afa/algosec/firewalls Used space: 11555 MB Free space: 58952 MB Minimal disk space required for analysis: 5000 MB	✓

AlgoSec provides change management and firewall capacity reporting, to help ensure the correct and secure operations of network security.