

GN4-3 Security Planning Home

GÉANT Security and Privacy White Paper

White paper
GÉANT Security and Privacy White Paper (v8)

Version 5 of the White Paper ([GÉANT Security and Privacy Activities White paper](#)) was submitted to GPPC for comments on 18 December 2017. After a consultation with GPPC, version 6 of the document was submitted on 23 January 2018.

Annexes (Action templates)
Annex 1: Baselineing for Products and Services and Organisations
Annex 2: Firewall on Demand
Annex 3: Centralised DDoS mitigation
Annex 4: SOC operations and tools
Annex 5: Vulnerability Assessment "as-a-service"
Annex 6: EduVPN
Annex 7: Other security products and services
Annex 8: Legal and Privacy Compliance
Annex 9: Management of Risks
Annex 10: Training
Annex 11: Awareness
Annex 12: Incident Response, Business Continuity and Crisis Management

Preparation

[GN4-3 Security White Paper outline for download](#)

We aim to provide guidance for security activities for GÉANT and the NRENs for the period of 2018 – 2022. In the GN3-4 Security White Paper, we will address some of the cybersecurity challenges of the NREN community, focussing on six main areas:

Main themes	
Security Baselineing for products, services and organisations	Agreed frameworks and guidelines, their applications, what they mean for the organisation, frameworks as a means to prove and improve mutual trust between organisations thru benchmarking and sharing, both organisational and technical
(Managed) Security products and services	Services delivered by NRENs or joint services delivered by GÉANT, for example Certificate Services (TCS, other), DDoS mitigation, (virtualised) Firewalling, and others. Research into the use of emerging technologies such as quantum cryptology and blockchain technologies.
Legal compliance (including privacy compliance)	EU and other regulations on security, privacy and data sharing, measures that need to be taken and implemented (GDPR ^[i] , NIS Guideline, EIDAS, to mention a few), representing NRENs in influencing what the regulations will be about in the future
Management of risks	Identifying risks, risk management methods, risk registers, (cyber) threat assessments, threat intelligence sharing, sharing best practices
Training and awareness	Creating cyber security awareness culture, communicating risks, threats and their mitigation internally; specific training needs of the security officers, applying the newest training methods (online trainings, serious gaming, simulation)
Incident response, business continuity and crisis management	Addressing and managing security breaches and attacks not only on networks, but also on internal services, ways of dealing with unexpected threats, managing crises, preparing for the unexpected


^[i] In this paper, we will not discuss implementing GDPR compliance as the new GÉANT Task Force will be working on it.

Community Consultations

Community consultations are organised to:

1. Collect feedback on the 6 main themes identified
2. Collect specific ideas that could be included in the paper
3. Rate the ideas suggested from the most to least urgent

The results of the community consultations:

Consultation	Date, place	Results
SIG-ISM Security white paper consultation	5 October, Brussels	SLIDES
Public Security white paper consultation (1)	16 October, Online	SLIDES
Public Security white paper consultation (2)	25 October, Online	SLIDES & additional proposals
Public Security white paper consultation (3)	31 October, Online	<p><i>Reference docs for the last consultation:</i></p> <ol style="list-style-type: none">1. Incident response, business continuity & crisis management AND Security Baselineing for products, services and organisations (Alf Moens)2. Training and awareness AND Management of Risks (Sigita Jurkynaite) <p>Consultation notes:</p> <div><p>Security White Pa...sultation 3 .docx</p></div>
Joint results (ratings)	-	Security white paper brainstorm sessions results.xlsx <i>(including 25 October)</i>

GÉANT Security Whitepaper 2018 - 2022

Security Baseline

Standards, Frameworks, best practices, benchmarking

(Managed) Security Products & Services

DDOS mitigation, certificate services, crypto technologies

Legal Compliance

GDPR, NIS guideline, eIDAS, best practices

Management of Risk

Risk analysis, threat assessments, threat intelligence sharing

Training and Awareness

Develop new training materials, share best practices

Incident response, Business continuity and crisis management

Recent space activity

Authors

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[WP8 Tasks](#) updated Nov 13, 2019 [view change](#)

[Alf Moens](#)

[WP8 Task leader requirements](#) updated Feb 28, 2019 [view change](#)

[Sigita Jurkynaitė](#)

[WP8 Task leader requirements](#) created Jul 16, 2018

[Alf Moens](#)

[WP8 Tasks](#) updated Jun 19, 2018 [view change](#)

[Sigita Jurkynaitė](#)

[GN4-3 Security Planning Home](#) updated Apr 16, 2018 [view change](#)