



# Security best practices and recommendations for NIS2 compliance

Alcatel-Lucent Enterprise recommends several best practices for security and NIS2 compliance to ensure infrastructure resilience and suggests guidelines for a network security improvement plan



## Check your initial situation

When you are preparing for a security audit with a certified body, your processes must be secured and optimized. You can best ensure a straightforward path to security compliance by targeting the right security aspects with best practices and establishing expectations and obligations within your business.

Depending how advanced your network security already is, you may need guidance, information and an action plan. ALE offers a preliminary workshop with our experts to give you a free assessment of your network security readiness. We will also explain the effort you need to consider for a full assessment of your network, if needed.

## Use ALE Security Assessment services

The ALE Security Assessment service aims to evaluate your network performance and security. As the vendor, we provide advanced configuration and implementation recommendations so you're ready to apply for a security audit with a certified body and prove compliance with regulations such as NIS2.

In this full assessment of your network, one of our experts analyzes your network topology, configurations, feature usage, integrations and potential internal and external vulnerabilities. We identify performance issues, optimization requirements and best practices to be applied to comply with your audit obligations.

Ensuring state-of-the-art security dispositions on your network infrastructure is a combination of product features, configurations and best practices that ALE has designed and proposed through this service.



### **Get a report with conclusions and an improvement plan description**

From the Security Assessment, the ALE expert consolidates conclusions, warnings and issues. The single report incorporates recommendations and best practices for you to apply. ALE makes sure you understand your current security exposure level and the risks it might present.

The improvement plan description is part of the report. It shows the path to state-of-the-art security configurations and compliance. Steps and activities are recommended and described, which can be delivered by either a Business Partner or ALE within a dedicated project.

### **Use the report for your journey afterwards**

Taking action on the improvement plan is critical to ensure you get the true value of our expertise on network performance and security while ensuring you comply with regulations.

As security threats evolve, your business evolves and regulations evolve making regular partial or complete assessments essential.

According to our standard processes, ALE will issue regular security alerts and recommendations. By having active support contracts on all equipment, you'll get security patches and upgrades in a timely manner.



### **Understand your security posture's impact on your business**

Get detailed descriptions and clarifications on configuration issues and vulnerabilities from our network topology analysis.

### **Secure your network to protect your business**

Be ready to align your network with ALE vendor recommendations, state-of-the-art security features, best practices and recommendations.

### **Ensure regulation compliance and be ready for a cybersecurity audit**

Know how to prepare and align your network with applicable regulations and understand how to ensure your network topology and configurations are in line with regulatory requirements.

**For more information: [www.al-enterprise.com/en/services/professional-services](http://www.al-enterprise.com/en/services/professional-services)**

