

Check Point Health Check

Security solutions can organically degrade over time as system updates, modifications and continual operation take their toll on performance, best practice configuration and operational stability. Since many organisations rely heavily on Check Point SmartCenter, Security Gateways and Software Blades, having confidence in these systems to protect your environment is paramount. While being reactive to problems and incidents is a daily occurrence, proactively assuring your organisation's critical business services is a mandatory requirement, and should not be ignored.

As a Check Point Four Star Elite Partner, we are able to ensure that your Check Point infrastructure is running optimally and confirm whether it meets current, and future, requirements. Whether you are preparing to transform your IT services, or just want to check things are running smoothly, we can provide visibility of the configuration, condition and performance of your Check Point estate, including aspects such as management, best practice alignment, reporting and rule bases. Leveraging best practice and our exposure to real-world implementations, we can provide the insight and support needed to resolve any issues.

Scope

Ultima's Check Point security health check, can be used against the following components:

- SmartCenter - Appliance, Open Server or MDSM (Multi-Domain Security Management)
- Security Gateway & Blades - Appliance or Open Server
- Management Reporting - Smart Event or Next-Generation SmartEvent (NGSE)
- Endpoint Security Management

Engagement Approach

Ultima adopts a simple, but effective, four stage process, allowing us to interrogate your Check Point infrastructure and deliver best practice recommendations. This structured engagement will be scoped based on the number of management servers, gateways and rules, delivered by a qualified Check Point consultant who can provide forensic analysis of your security environment and articulate the findings.

Step 1 - Analyse

Our consultant will lead a planning call to agree the scope and objectives of the health check, and further understand the issues and operational challenges affecting the service. Once completed, we will review the following aspects of your environment:

Activities	Express	Standard
Gaia / Secure Platform Operating System - Accounts, DNS (Domain Name System), hotfixes and Check Point Service Upgrade Engine (CPUSE) status	✓	✓
Management Infrastructure - Logging, status, endpoint security, health, performance and topology	✓	✓
Smart Console - Objects, hit counts, VPN (Virtual Private Network) configuration, Intrusion Prevention System (IPS) and Threat Prevention	✓	✓
Software Blades - Utilisation and configuration	✓	✓
Licensing - Features currently in use	✓	✓
Architecture - Gateways, management and platforms	✓	✓
Backup & Disaster Recovery	✓	✓
High Availability - Management and gateway clustering	✓	✓
R80 Migration Simulation	-	✓
Rule Bases - Full version includes customer involvement to analyse each rule	High Risk	All

Step 2 - Review

We will examine the data to ensure optimal configuration and consistency as per best practice, while capturing, qualifying and prioritising issues which may impact business operations, alongside identifying areas where the service could be optimised. Our assessment establishes a performance baseline and makes recommendations for future optimisation, potential upgrade road-maps and identifies design changes or feature implementations to best deliver business requirements. Meanwhile, this confirms the licensing position to determine whether further value can be gained from the existing entitlement.

Step 3 - Define

The ability to understand precisely what's going on inside your environment is as important as diagnosing the issues or threats facing it. Ultima's comprehensive service improvement report will provide your organisation with the following insights:

Activities	Express	Standard
Management summary highlighting risks, issues, recommendations and prioritised next steps	✓	✓
Breakdown of Check Point services in use against licensed features not currently implemented	✓	✓
Alignment against vendor best practice outlining deviations and any corrective measures	✓	✓
Health of the Check Point services in use and recommendations where deficiencies are found	✓	✓
Management and gateway resources summary (e.g. CPU, storage, memory), highlighting performance bottlenecks	✓	✓
R80 migration plan	-	✓
Report showing the findings of the rule base review along with recommendations	Basic	Full

Step 4 - Present

Ultima will email the report for review, before presenting the management summary to your team via Skype. We will drill down into the headline findings, including the risks, issues and recommendations we have made regarding your Check Point environment. This provides you the opportunity to ask questions, receive advice and plan for potential remediation activities.



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