



*Elmdale  
IT Services  
Ltd*

# **AWS Configuration Audit**

[elmdaleit.co.uk](http://elmdaleit.co.uk)





**With so much of our critical data already in the cloud, now is the time to ensure that yours and your client's cloud environments are configured and protected in accordance with industry best practice.**

Security configuration is the management and control of configurations for an information system with the goal of enabling security and managing risk.

Breaches or incidents happen because hackers or bad actors are systematically looking for cloud environments and other systems that have not been hardened, often taking advantage of known vulnerabilities. Once an attacker has exploited the system, their goal is to start leveraging the attack, usually by making changes.

By setting a gold standard configuration for your systems and continuously monitoring for indicators of compromise, organisations can quickly identify a breach.

Testing your configuration regularly provides you and your clients the ability to continuously harden systems to reduce the attack surface. Hardened systems provide less opportunity for the hackers or bad actors to launch a successful attack.

**75%**

of Enterprises point to cloud security issues as a top concern\*.

\*<https://www.cloudwards.net/cloud-computing-statistics/>



## AWS Configuration Audit

### Elmdale's, independent AWS Configuration Audit, provides two configuration assessments per annum

#### What is a AWS Configuration Audit

Elmdale's assessment is based on the AWS Foundations Framework, which is a compliance standard for securing AWS resources. The benchmark offers prescriptive instructions for configuring Azure services in accordance with industry best practises.

#### Why it is important

Any organisation that uses cloud resources provided by AWS can help safeguard sensitive IT systems and data by complying with the CIS AWS Foundations Framework. Cloud misconfigurations and cyber-attacks are a constant concern for organisations that operate in the cloud, so security is of the utmost importance.

#### Target Audience

This assessment is for individuals involved in developing, deploying, assessing, or securing solutions with AWS Foundations Framework, including IT personnel like system administrators, DevOps, security analysts, and compliance analysts. It also targets non-IT roles providing governance, audit, and oversight seeking an independent assessment.

According to cybersecurity experts, the most pressing cloud security challenges are misconfiguration of the cloud infrastructure (68%); unauthorised access (58%); insecure API (52%); accounts, services or traffic hijacking (50%) and external data sharing (43%).\*\*

\*\*<https://www.cloudwards.net/cloud-computing-statistics/>





## AWS Configuration Audit

### How it works

The AWS Foundations Framework Audit includes **7 sections**, covering 58 different controls, ensuring a thorough and detailed analysis of yours or your client's systems.

# 73%

of the cybersecurity incidents involved external cloud assets, with the rest involving on-premises IT assets. Last year, cloud assets were only involved in **27%** of breaches\*\*\*.

\*\*\*<https://www.datacenterknowledge.com/security/report-cloud-security-breaches-surpass-prem-ones-first-time>

#### The 7 sections are:

- |   |  |
|---|--|
| <b>1</b> Identity and Access Management | <b>4</b> Relational Database Service (RDS) |
| <b>2</b> Simple Storage Service S3      | <b>5</b> Logging                           |
| <b>3</b> Elastic Compute Cloud (EC2)    | <b>6</b> Monitoring                        |
|   | <b>7</b> Networking                        |

This document is focused on AWS, Google and MS Azure reviews are also available.



**Safeguard your  
digital frontier with  
confidence.**

**36%**

of organisations  
suffered a serious  
cloud security data  
breach in 2021\*

\*[www.helpnetsecurity.com/2021/07/27/cloud-security-data-leak/](http://www.helpnetsecurity.com/2021/07/27/cloud-security-data-leak/)



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IT Services  
Ltd*

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**Contact Us**

[sales@elmdaleit.co.uk](mailto:sales@elmdaleit.co.uk)

0118 982 1444

