Vulnerability scanning

Website security and software vulnerabilities

Action required

Update the portal and enforce email authentication.

The portal uses software with a known exploited vulnerability. DMARC enforcement is also missing.

6	2	1	1
Hosts in scope	High-priority assets	Known vulnerabilities	Overdue actions

ASSET STATUS

2 Action | 1 Attention | 1 Pass | 2 Unknown

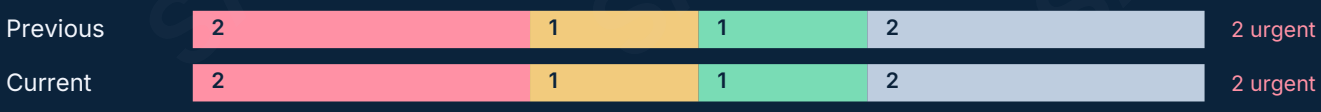
SECURITY CHECKS

Assessment coverage: 23 of 25 applicable checks returned a result. Grey indicates missing or outdated evidence.

TOP THREE PRIORITIES

1	**Update the portal software**	Application owner / 12 Sep
2	**Enforce DMARC**	Email administrator / 13 Sep
3	**Add web security headers**	Web operations / 18 Sep

CHANGE SINCE 06 SEPTEMBER



1 check now passes; one new issue. Both assessments cover the same assets.

6 hosts under northstar.example | Standard scan and linked software inventory

Asset security overview

Security checks for each asset, ordered by priority.

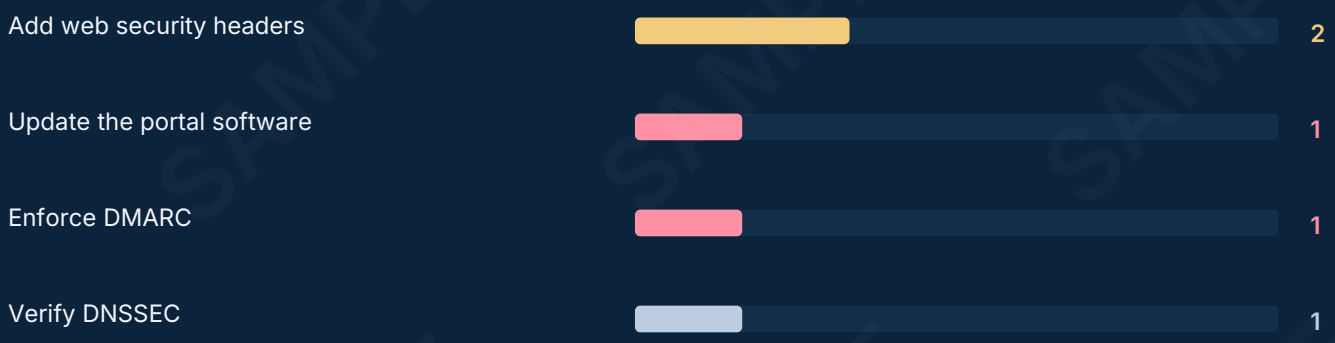
01 Overview | 02 Assets | 03 Intelligence | 04 Actions

! Action | ! Attention | + Pass | ? Unknown

ASSET / PLATFORM	TLS	Email	DNS	Web headers	Software
WEB-01 northstar.example	+ Pass	! Action	+ Pass	! Attention	+ Pass
WEB-02 portal.northstar.example	+ Pass	- N/A	+ Pass	+ Pass	! Action
WEB-04 api.northstar.example	+ Pass	- N/A	+ Pass	! Attention	+ Pass
WEB-03 mail.northstar.example	+ Pass	- N/A	? Unknown	+ Pass	+ Pass
WEB-05 admin.northstar.example	+ Pass	- N/A	+ Pass	+ Pass	? Unknown
WEB-06 help.northstar.example	+ Pass	- N/A	+ Pass	+ Pass	+ Pass

N/A checks are excluded from totals. Grey indicates missing or outdated evidence. Software checks do not cover every published vulnerability.

ASSETS AFFECTED BY EACH ISSUE



Vulnerabilities and updates

Affected versions, exploitation status and recommended updates.

Affected version confirmed

CVE-2021-44228

Apache Log4j Core

An attacker may be able to run code on the server by sending malicious input that the application logs.

10.0	YES	>99.99%	1
CVSS 3.1	Known exploitation (KEV)	30-day likelihood	Affected hosts

INSTALLED VERSION	ORIGINAL FIX VERSION
2.14.1	2.15.0 (Java 8 and later)

Affected versions: 2.13.0 up to, but excluding, 2.15.0
Evidence: Software inventory identifies log4j-core 2.14.1.

RECOMMENDED UPDATE

Upgrade to the latest supported Log4j release compatible with your application. Test the update before deployment.

The original fix version is historical. Use the latest supported release.

Affected assets: WEB-02
Scope: 1 vulnerability across 1 asset. This report includes selected CVE examples.

Source dates: EPSS 2026-09-12; CISA KEV 2026-09-11; NVD updated 2026-08-11.
EPSS estimates the chance of this vulnerability being exploited in the next 30 days. It does not predict a breach of your organisation. EPSS percentile: 100.00%.

NVD record | Apache security advisory | EPSS explained | CISA KEV

Remediation plan

Actions, responsible teams, deadlines and verification.

01 Overview | 02 Assets | 03 Intelligence | 04 Actions

5	1	1
Open actions	Overdue	Checks now passing

01 Update the portal software

OVERDUE 12 Sep

Install the supported update recommended on page 3 and confirm the version in use.

VUL-F01 | Application owner | 1 asset | Open

02 Enforce DMARC

DUE 13 Sep

Confirm authorised email senders, then introduce DMARC enforcement in stages.

VUL-F02 | Email administrator | 1 asset | Open

03 Add web security headers

DUE 18 Sep

Configure HSTS and Content Security Policy headers. Test that the website continues to work correctly.

VUL-F03 | Web operations | 2 assets | Open

04 Verify DNSSEC

DUE 14 Sep

Check DNSSEC at the authoritative DNS provider and repeat validation.

VUL-F04 | DNS administrator | 1 asset | Open

05 Identify the software version

DUE 14 Sep

Confirm the product and version used by the administration service before checking for vulnerabilities.

VUL-F05 | Web operations | 1 asset | Open

Before closing an action: record the change and repeat the relevant check. Close the issue once the result confirms that the fix is effective.