

External Application Penetration Test

Public portfolio edition

An anonymized assessment of a web application and its externally reachable services. This edition retains the security outcomes while excluding target identity, architecture, vendors, implementation details and reproducible exploit evidence.

EXECUTIVE SUMMARY

The assessment identified weaknesses in account protection, audit integrity and external service exposure. Two application-level write-permission issues were confirmed and subsequently verified as remediated. Four further findings were confirmed; the source report does not document their remediation. Two informational observations record a limited exposure concern and a hardened authentication behavior.

ID	Severity	Finding	Recorded status
F1	High	Unauthorized account logout	Remediated at retest
F2	Medium	Unauthorized audit-record creation	Remediated at retest
F3	Medium	Direct access bypasses protective layer	Confirmed; fix not recorded
F4	Medium	Restricted service reachable externally	Confirmed; fix not recorded
F5	Low	Legacy transfer service exposure	Confirmed; fix not recorded
F6	Low	Account discovery through recovery responses	Confirmed; rate-limited
F7	Informational	Anonymous subscription acceptance	No data exposure demonstrated
F8	Informational	Uniform failed sign-in responses	Hardened

Reading the status: Severity and status reflect the source assessment and its recorded retest, not a new test or a claim about the current environment. Informational items are not counted as demonstrated exploitable vulnerabilities.

Application security findings

F1 Unauthorized account logout

HIGH | CONFIRMED, THEN REMEDIATED

Observation. An unauthenticated actor could influence account-protection state and trigger a logout. A controlled test demonstrated this behavior using a dedicated test account. At retest, the previously available operations rejected unauthenticated access.

Impact. The weakness could deny legitimate users access to their accounts. Privileged accounts could also be affected if governed by the same protection mechanism; the demonstrated logout was limited to the test identity.

Remediation. Keep security-state changes limited to trusted, authorized processing. Derive failed-attempt events from validated authentication activity and apply abuse controls. Maintain regression checks that reject unauthorized changes.

F2 Unauthorized audit-record creation

MEDIUM | CONFIRMED, THEN REMEDIATED

Observation. An unauthenticated write path accepted a controlled security-event record even though reading those records was restricted. A related aggregate response also exposed limited event-count information. Retesting confirmed that unauthorized record creation was blocked.

Impact. Untrusted entries could pollute the audit trail, flood monitoring systems and distort event-based detection. Aggregate information could provide a limited side channel. No access to existing audit records was demonstrated.

Remediation. Create security events only through trusted processing and enforce least privilege for all audit operations. Validate event content, control excessive submissions and restrict access to aggregate security information.

RETEST INTERPRETATION

The documented retest supports closure of the two unauthorized write paths above. It does not establish that every related security behavior was retested or that these fixes remain effective after later changes.

Detailed requests, response bodies, account identifiers and implementation names have been replaced with outcome-based descriptions.

External exposure findings

F3 Direct access bypasses a protective layer

MEDIUM | CONFIRMED; REMEDIATION NOT DOCUMENTED

Observation. Publicly discoverable infrastructure information enabled a direct route to the application-hosting system. The application remained reachable through that route without traversing the intended protective intermediary.

Impact. Controls enforced only at the intermediary could be bypassed. This increases exposure to direct traffic and attacks against other reachable services. The observation establishes an alternate access path; it does not demonstrate that a specific attack defeated a particular control.

Remediation. Restrict direct application access to authorized delivery paths and validate the identity of trusted intermediaries. Remove unnecessary public infrastructure references and confirm that untrusted direct requests are rejected.

F4 Restricted service reachable externally

MEDIUM | CONFIRMED; REMEDIATION NOT DOCUMENTED

Observation. A service intended for restricted operational use accepted an external connection and entered its authentication exchange. It also disclosed implementation information before authentication. The tested source was not blocked by a network access restriction.

Impact. Public reachability expands the surface for credential attacks and service vulnerabilities. Successful authentication or access to stored information was not demonstrated. The test supports exposure from the tested external location; it does not independently prove behavior from every possible source.

Remediation. Limit access to approved sources or private connectivity, reduce pre-authentication disclosures where feasible and review privileged credentials. Coordinate changes with the party responsible for the hosting environment and retest from an untrusted external location.

VALIDATION PRIORITY

Verify that access restrictions are effective at the service boundary. Closing one discoverable route is insufficient if the same service remains reachable through another public path.

Account privacy and control observations

F5 Legacy transfer service exposure

LOW | CONFIRMED; REMEDIATION NOT DOCUMENTED

Observation. A publicly reachable legacy file-transfer service responded to external probing. The source report identified a clear-text transfer risk. No credential guessing was performed.

Impact. The service increases the credential-attack surface. If used without transport protection, credentials and transferred content could be intercepted; interception was not demonstrated.

Remediation. Disable unnecessary legacy access. Use encrypted transfer and limit operational access to approved sources.

F6 Account discovery through recovery responses

LOW | CONFIRMED; RATE-LIMITED

Observation. Account-recovery requests produced distinguishable responses for tested account states. Rate limiting constrained repeated requests.

Impact. Response differences could help an attacker infer account existence and support targeted credential attacks or social engineering. Rate limiting reduces scale but does not remove the discrepancy.

Remediation. Return consistent recovery responses regardless of account existence, including comparable observable behavior. Retain rate limiting and monitor abuse.

F7 Anonymous subscription acceptance

INFORMATIONAL | NO DATA EXPOSURE DEMONSTRATED

An unauthenticated subscription request was acknowledged, but no protected records were delivered. Treat this as a configuration observation. Keep sensitive event delivery disabled or explicitly authorized, and verify access controls before enabling new subscriptions.

F8 Uniform failed sign-in responses

INFORMATIONAL | HARDENED

Failed sign-in attempts returned equivalent responses for a known account with an incorrect password and an unknown account. No account-enumeration path was demonstrated through this tested behavior. Preserve response consistency as authentication changes.

Methodology, strengths and follow-through

SCOPE AND METHOD

The source assessment used external, unauthenticated black-box testing of the application and reachable supporting services. Activities included public exposure discovery, transport and response review, inspection of publicly delivered application assets, access-control testing, account-flow checks and targeted service probing. Network observations were validated at the service-response level to reduce scan false positives.

Account-lockout and write tests used a dedicated, self-registered test identity. The source reports that no real user data was accessed or modified. No credential guessing was performed against the legacy transfer service. This was a point-in-time assessment with limited retesting, not a comprehensive assurance of security.

HARDENED AREAS OBSERVED

Access boundaries: Tested protected records resisted unauthorized reads and changes; privileged operations were unavailable through the tested public surface.

Protected content: Tested direct retrieval and unauthorized embedding attempts were denied by enforced access controls.

Information exposure: Probes did not retrieve sensitive deployment files, development artifacts or privileged secrets from tested public locations.

Storage and account functions: Anonymous storage discovery was denied in the tested cases. Sensitive account-management actions required authorization, and registration required identity confirmation.

Browser and transport protections: Defensive transport and browser policies were present. These observations are limited to the paths and conditions assessed.

REMEDIATION AND HANDOVER

Preserve completed fixes: Keep the F1 and F2 permission restrictions in place and test them after changes.

Reduce exposure: Address F3-F5 through trusted access paths, service restrictions and encrypted operational access.

Improve privacy: Normalize recovery behavior for F6 and verify the result.

Close out testing: Have an authorized administrator remove the test identity and test event and clear the intentional test lockout. The source does not record cleanup completion.

PUBLICATION NOTE

This edition was rebuilt from the source findings. Client identifiers, exact dates, addresses, infrastructure and technology names, credentials, request details and exploit evidence are intentionally omitted or generalized. It presents assessment reasoning and recorded outcomes without reproducing operational evidence.