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Missing Session Revocation on Logout in ash_authentication_phoenix

Low zachdaniel published GHSA-f7gq-h8jv-h3cq on Jun 17, 2025

Package

[ash_authentication_phoenix](#) (Erlang)

Affected versions

<= 2.9.0

Patched versions

>= 2.10.0

Description

Impact

Session tokens remain valid on the server after user logout, creating a security gap where:

- Compromised tokens (via XSS, network interception, or device theft) continue to work even after the user logs out
 - The sessions stored in the database still expire, limiting the duration during which this could be exploited
- Users cannot fully invalidate their sessions when logging out from shared or potentially compromised devices
 - by default, changing one's password *does* invalidate all other sessions, so changing your password as a security measure would have been effective
- May cause compliance issues with security frameworks requiring complete session

Patches

Upgrade to version 2.10.0. After upgrading, users must update their AuthController implementation to use the new `clear_session/2` function with their OTP app name. You will be prompted to do so with a compile-time error.

If you do not have the setting `require_token_presence_for_authentication?` set to `true` in the `tokens` section, you will see a separate error:

```

** (Spark.Error.DslError) authentication -> session_identifier:
Must set `authentication.session_identifier` to either `:jti` or `:unsafe`.

...

```



In order to revoke sessions on log out when not storing tokens directly in the session, we must have some unique identifier with which to do so. You should prefer to enable `require_token_presence_for_authentication?` if possible, instead of setting this to `:jti`. Note that whatever you do here, if you did not previously have `require_token_presence_for_authentication?` set to `true`, setting it to `true` or setting `authentication.session_identifier` to `:jti` will log out all of your currently authenticated users.

Workarounds

You can manually revoke tokens in your `logout/2` handler in your auth controller.

Severity

Low 2.3 / 10

CVSS v4 base metrics

Exploitability Metrics

Attack Vector	Network
Attack Complexity	Low
Attack Requirements	Present
Privileges Required	None
User interaction	Passive

Vulnerable System Impact Metrics

Confidentiality	Low
Integrity	Low
Availability	None

Subsequent System Impact Metrics

Confidentiality	None
Integrity	None
Availability	None

[Learn more about base metrics](#)

CVSS:4.0/AV:N/AC:L/AT:P/PR:N/UI:P/VC:L/VI:L/VA:N/SC:N/SI:N/SA:N

CVE ID

CVE-2025-4754

Weaknesses

▶ CWE-613

Credits



jimsynz

Remediation reviewer



zachdaniel

Remediation developer



mbuhot

Analyst



maennchen

Analyst