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# fix(security): Private Prompt Access Control Fixes #1104

Merged f merged 3 commits into f:main from mdisecc:fix-private-prompt-history last week

Conversation 4 Commits 3 Checks 2 Files changed 9



mdisecc commented 2 weeks ago • edited by coderabbitai bot

Contributor

Hi,

This PR fix 5 security vulnerability once for all. They all are almost identical and related with each other.

Production test: Use this prompt that is marked as private but versions etc is publicly accessible.

<https://prompts.chat/api/prompts/cmn4mg8or0001l804tn74dqmr/versions>

## Overview

Multiple API endpoints and the prompt page metadata lacked `isPrivate` checks, allowing unauthorized users to access data belonging to private prompts. All fixes enforce a consistent policy: **if a prompt is private, only the owner and admins can access its associated resources.**

## Fixed Endpoints

### 1. GET /api/prompts/[id]/versions — Version History Leak

**File:** `src/app/api/prompts/[id]/versions/route.ts`

**Issue:** No privacy check. Anyone could list all version history (content + author) of a private prompt.

**Fix:** Added `isPrivate` + `authorId` lookup before querying versions. Returns 403 for unauthorized users.

### 2. GET /api/prompts/[id]/changes — Change Request List Leak

**File:** `src/app/api/prompts/[id]/changes/route.ts`

**Issue:** No privacy check. Anyone could list all change requests (including `originalContent` and `originalTitle`) for a private prompt.

**Fix:** Added prompt privacy lookup. Returns 403 for unauthorized users.

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### 3. GET `/api/prompts/[id]/changes/[changeId]` — Change Request Detail + Current Content Leak

**File:** `src/app/api/prompts/[id]/changes/[changeId]/route.ts`

**Issue:** No privacy check. The query included `prompt.content`, leaking the **current live content** of a private prompt to anyone with a change request ID.

**Fix:**

- Replaced `content` with `isPrivate` and `authorId` in the prompt select (stops current-content leak).
  - Added privacy gate. Returns 403 for unauthorized users.
- 

### 4. GET `/api/prompts/[id]/examples` — Examples Leak

**File:** `src/app/api/prompts/[id]/examples/route.ts`

**Issue:** No privacy check. Anyone could enumerate user-submitted examples (with user info) for private prompts.

**Fix:** Added `isPrivate` + `authorId` to the existing prompt query. Returns 404 for unauthorized users (no oracle).

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### 5. POST & DELETE `/api/prompts/[id]/vote` — Vote Oracle + State Mutation

**File:** `src/app/api/prompts/[id]/vote/route.ts`

**Issue:** No privacy check on either handler. Any authenticated user could vote/unvote on private prompts and use differential responses (404 vs "already voted" vs success) as an existence oracle.

**Fix:**

- **POST:** Added `isPrivate` + `authorId` to existing prompt query. Returns 404 for unauthorized users.
- **DELETE:** Added prompt privacy lookup. Returns 404 for unauthorized users.

Both return 404 (not 403) to prevent information leakage about prompt existence.

## 6. generateMetadata — Title/Description Leak via HTML Meta Tags

**File:** `src/app/prompts/[id]/page.tsx`

**Issue:** `generateMetadata` fetched and rendered `title` and `description` for private prompts in `<title>` and `<meta description>` tags, even though the page body correctly called `notFound()`.

**Fix:** Added `isPrivate` to the select. Returns generic "Prompt Not Found" metadata when the prompt is private.

## Summary by CodeRabbit

- **New Features**

- Enforced prompt privacy across pages and APIs: private prompts are viewable only by owners and admins.
- Unauthorized requests for private prompts now receive a "not found" response.
- Privacy checks applied consistently to prompt versions, examples, change requests, voting, and page metadata.

- **Tests**

- Added tests covering visibility and access responses for public and private prompts.



[-fix\(security\): enforce isPrivate checks on prompt sub-resource endpo...](#)

✖ [7b81836](#)



**coderrabbitai** (bot) commented [2 weeks ago](#) • edited ▾

▶ Walkthrough

▶ Pre-merge checks | 2 | 1

▶ Finishing Touches

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  [fix the prompt view perm issue for admin and adding unit tests](#)

✓ [d887c49](#)




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▶  Review info

```
src/__tests__/lib/prompt-access.test.ts
```

```

88 +   });
89 +
90 +   it("should return 404 for private prompt when user is not owner", async () => {
91 +     vi.mocked(auth).mockResolvedValue({ user: { id: "other", role: "USER"

```



**coderabbitai** (bot) 2 weeks ago

⚠️ Potential issue | 🟡 Minor

▶️ 🧩 Analysis chain

**Replace `as never` casts with properly typed session fixtures.**

The `as never` casts on lines 91, 98, and 104 bypass TypeScript's strict type checking and mask incomplete mock objects. Replace these with typed fixtures using `satisfies Session`.

However, the `Session` interface (augmented in `src/lib/auth/index.ts`) requires these fields: `id`, `email`, `username`, `locale`, `role`, and optionally `name` and `image`. The current fixtures are missing required fields. Create complete fixtures that satisfy the full `Session` contract:

▶️ Corrected refactor

Also applies to: 98-98, 104-104

▶️ 🤖 Prompt for AI Agents



**f** merged commit **233858f** into `f:main` last week

3 checks passed

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**coderabbitai**[bot]



**Assignees**

No one assigned

**Labels**

None yet

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**Projects**

None yet

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**Milestone**

No milestone

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**Development**

Successfully merging this pull request may close these issues.

None yet

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**3 participants**

