

Bug Report Sample

Field	Detail
Project	License Management Web App
Module	License Management, Asset Assignment (Core Compliance Logic)
Bug ID	BUG-001
Severity	Critical (Directly impacts core business compliance)
Priority	P1 - Highest (Requires immediate fix)
Status	Open
Detected By	Haseeb Munawar
Date Detected	2025-xx-xx
Version/Build	2.1.0-Beta

Summary:

The system is failing to correctly enforce the configured concurrent user/asset limit on a license key, allowing a license to be over-assigned and resulting in an unacceptable compliance breach.

Description:

During negative testing (TC-009), it was observed that the API endpoint responsible for asset-to-license assignment does not validate the current usage count against the license's maximum limit. This logic flaw permits a user to assign a license key multiple times, even when the limit is clearly set to a low number (e.g., 1). This is a severe functional defect as it renders the license management compliance feature ineffective.

Steps to Reproduce:

1. Ensure Admin role is active. Create a new license and explicitly set the Maximum User/Asset Limit to 1.
2. Navigate to Computer Assets. Assign to Computer
3. Remain on Computer Assets. Attempt to assign the exact same license to Computer B.
4. Click the Save Assignment button.

Expected Result:

The system must execute a compliance check before the database commit. It should:

1. Display a prominent, user-friendly **validation error message** on the screen (e.g., "Error: Assignment blocked. License has reached its limit of 1 user.").
2. **Rollback the transaction** and prevent the assignment to Computer B.
3. The License Usage Count should remain correctly at **1/1**.

Actual Result:

The license assignment to Computer B is successfully executed. The license usage count for LICENSE-TEST-001 incorrectly updates to 2/1 (or 200% used). This allows users to exceed compliance limits without system intervention.

Environment:

- **Operating System:** Windows 11/macOS
- **Browser:** Chrome v120
- **Environment:** Staging

Attachments/Evidence:

- **Screenshot** of the License Profile showing **Usage: 2/1**
- **Console** log showing the API response after the failed assignment attempt.
- **Video recording** of the assignment process.