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# POST /defUser/pageUser` 中的访问控制漏洞可导致跨组织用户枚举 #403

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## [CVE请求] POST /defUser/pageUser 中的访问控制漏洞可导致跨组织用户枚举

### 摘要

lamp-cloud 的端点 `POST /defUser/pageUser` (`DefUserController#pageUser`) 存在一个访问控制漏洞。经过身份验证的低权限用户可以枚举其所在组织/公司范围之外的用户。

这似乎是一个行级授权/数据范围失败 (BOLA/IDOR 式的读取暴露)，而不仅仅是端点认证问题。

### 产品

- 项目：`dromara/lamp-cloud`
- 组件：`lamp-system-controller` / `lamp-system-biz`
- 端点：`POST /defUser/pageUser`

### 受影响版本

- 验证版本：`5.8.1` (本地动态验证环境)
- 可能受影响的版本：`DefUserMapper.pageUser` 缺少组织/公司/员工范围谓词的版本。

## 漏洞类型

- CWE-285 : 授权不当
- CWE-359 : 向未经授权的行为者泄露私人个人信息

## 影响

具有端点权限的普通认证账户可以列出本应不在范围之内内的用户（包括高权限/系统账户），从而导致用户资料数据的未授权泄露。

## 前提条件

- 攻击者拥有任何可以通过 `POST /defUser/pageUser` 端点权限检查的账户。
- 一旦授予端点权限，数据越界访问无需管理员权限。

## 复现步骤

1. 使用具有 `pageUser` 端点权限的普通账户进行身份验证。
2. 调用：
  - `POST /defUser/pageUser`
  - 正文: `{"current":1,"size":20,"model":{}}`
3. 观察返回的记录，其中包括调用者所在组织/公司之外的用户（例如，`lamp`、`superAdmin`）。

## 证明（动态验证）

- 呼叫者账户 (`test1`) 公司：`1451532773234835456`
- 包含的回流用户：
  - `lamp` (公司 `1451532727697276928`)
  - 超级管理员 (公司 `1451532667655815168`)
- 这表明存在跨范围的数据暴露问题。

## 预期行为

`/defUser/pageUser` 应仅返回授权数据范围内的用户（例如，同一组织/公司、角色范围或明确的策略范围）。

## 实际行为

`/defUser/pageUser` 返回宽泛的用户结果，而不强制实施调用者绑定的员工/组织/公司约束。

## 技术根本原因

代码路径：

- DefUserController#pageUser -> DefUserServiceImpl#pageUser -> DefUserManagerImpl#pageUser -> DefUserMapper.xml#pageUser

在 SQL ( mapper\_system/ext/tenant/DefUserMapper.xml ) 中，查询仅对

u.username/nick\_name/email/mobile/id\_card/state 应用可选过滤器。

虽然有 LEFT JOIN base\_employee ut on u.id = ut.user\_id ，但没有使用调用者上下文 ( employeeId 、 companyId 、 组织关系等 ) 的行级谓词。

## 建议的补救措施

1. 在 pageUser SQL/服务层中实施行级数据范围控制，例如：
  - 从令牌上下文中绑定调用者的 员工ID/公司ID/部门ID ，
  - 连接 base\_employee\_org\_rel / 组织树 / 角色数据范围策略 ，
  - 仅将结果限制在授权范围内。
2. 为特权/全局列表行为添加服务器端授权保护。
3. 添加回归测试：
  - 低权限用户无法查看跨公司用户 ，
  - 管理员行为仍受到明确控制。

## 安全严重程度

- 建议：高 ( 保密性影响、广泛的用户枚举、潜在的权限链 ) 。

## CVE请求

请评估此问题，若确认，请请求/分配一个CVE ID。

## 记者笔记

如果您愿意，我可以私下提供完整的请求/响应证据和经过清理的概念验证 (PoC) 详细信息。

# [CVE Request] Broken Access Control in POST /defUser/pageUser Enables Cross-Organization User Enumeration

## Summary

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A broken access control vulnerability exists in `lamp-cloud` at endpoint `POST /defUser/pageUser` (`DefUserController#pageUser`).

An authenticated low-privilege user can enumerate users outside their own organization/company scope.

This appears to be a row-level authorization/data-scope failure (BOLA/IDOR-style read exposure), not merely an endpoint authentication issue.

## Product

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- Project: `dromara/lamp-cloud`
- Component: `lamp-system-controller` / `lamp-system-biz`
- Endpoint: `POST /defUser/pageUser`

## Affected Version

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- Verified on: `5.8.1` (local dynamic validation environment)
- Potentially affected: versions where `DefUserMapper.pageUser` lacks `org/company/employee` scope predicates.

## Vulnerability Type

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- CWE-285: Improper Authorization
- CWE-359: Exposure of Private Personal Information to an Unauthorized Actor

## Impact

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A normal authenticated account with endpoint permission can list users that should be out of scope (including high-privilege/system accounts), causing unauthorized disclosure of user profile data.

## Preconditions

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- Attacker has any account that can pass endpoint permission check for `POST /defUser/pageUser`.
- No admin privileges are required for data overreach once endpoint permission is granted.

## Reproduction Steps

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1. Authenticate as a normal account with `pageUser` endpoint permission.
2. Call:
  - `POST /defUser/pageUser`
  - Body: `{"current":1,"size":20,"model":{}}`

3. Observe returned records include users outside caller's organization/company (e.g., `lamp`, `superAdmin`).

## Proof (Dynamic Validation)

- Caller account ( `test1` ) company: `1451532773234835456`
- Returned users included:
  - `lamp` (company `1451532727697276928` )
  - `superAdmin` (company `1451532667655815168` )
- This demonstrates cross-scope data exposure.

## Expected Behavior

`/defUser/pageUser` should only return users within authorized data scope (e.g., same org/company, role scope, or explicit policy scope).

## Actual Behavior

`/defUser/pageUser` returns broad user results without enforcing caller-bound employee/org/company constraints.

## Technical Root Cause

Code path:

- `DefUserController#pageUser` -> `DefServiceImpl#pageUser` -> `DefUserManagerImpl#pageUser`  
-> `DefUserMapper.xml#pageUser`

In SQL ( `mapper_system/ext/tenant/DefUserMapper.xml` ), query only applies optional filters on `u.username/nick_name/email/mobile/id_card/state` .

Although there is `LEFT JOIN base_employee ut on u.id = ut.user_id` , there is no row-level predicate using caller context ( `employeeId` , `companyId` , `org relations`, etc.).

## Suggested Remediation

1. Enforce row-level data scope in `pageUser` SQL/service layer, e.g.:
  - bind caller `employeeId/companyId/deptId` from token context,
  - join `base_employee_org_rel` / org tree / role data-scope policies,
  - restrict results to authorized scope only.
2. Add a server-side authorization guard for privileged/global listing behavior.
3. Add regression tests:
  - low-priv user cannot view cross-company users,

- admin behavior remains explicitly controlled.

## Security Severity

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- Suggested: **High** (confidentiality impact, broad user enumeration, potential privilege-chaining).

## CVE Request

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Please assess and, if confirmed, request/assign a CVE ID for this issue.

## Reporter Notes

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I can provide full request/response evidence and sanitized PoC details privately if preferred.

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### Metadata

#### Assignees

No one assigned

#### Labels

No labels

#### Type

No type

#### Projects

No projects


#### Milestone

No milestone

#### Relationships

None yet

#### Development

 Code with agent mode



No branches or pull requests

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### Participants

