

# **Proposal: Revisiting Application Categorization for Accurate Security Compliance**

## **Background**

Wells Fargo's Enterprise Application Security Platform (EASP) monitors and ensures the security health of applications and their components. Applications are categorized into security types such as EASP-Other, EASP-Cloud, and EASP-PAA based on parameters like technology and deployment platform. These categories influence how vulnerabilities are managed, with varying deadlines and priorities.

For example, a Severity-4 vulnerability is optional to fix under EASP-Other but must be addressed within 180 days under EASP-Cloud.

**Lending Grid NDM (LGNDM)** is a critical capability within Lending Grid, supporting file integrations. Initially categorized as EASP-Other, LGNDM partially migrated three UI components to the cloud while retaining the majority of its infrastructure on-premise due to legacy system dependencies.

## **Incident**

Following the migration of a few UI components to the cloud, the entire LGNDM application was reclassified as EASP-Cloud. This reclassification was retroactive, meaning existing non-critical vulnerabilities became critical & overdue overnight.

Upon investigation, it was clarified that EASP categorization rules treat the entire application as cloud-based if even a single component is deployed in the cloud. This "all-or-nothing" approach triggered a firefighting situation, as the team had to resolve numerous non-critical vulnerabilities urgently.

The issue arises because this rule does not account for hybrid application footprints, leading to inaccurate categorizations and unnecessary operational strain.

## **Key Issues with the Current Rule**

1. **Discourages Cloud Migration:** Teams may hesitate to migrate components incrementally due to disproportionate compliance burdens.
2. **Increased Workload with Limited ROI:** Teams face additional technical and administrative overhead without meaningful benefits.
3. **False Alarms:** Reports and escalations become inaccurate, creating unnecessary panic and urgency.

## **Proposed Solution**

### **Introduce Component-Level Categorization:**

Instead of applying security categorization at the application level, consider each component individually:

- Cloud-deployed components should be categorized as EASP-Cloud.
- Legacy on-premise components should remain categorized as EASP-Other.

## **Benefits of the Proposed Solution**

1. **Encourages Incremental Cloud Migration:** Teams can adopt hybrid strategies, such as the Strangler Fig pattern, without undue penalties.
2. **Accurate Categorization:** Components are represented based on their actual deployment environments, improving compliance accuracy.
3. **Reduced Workload:** Developers focus on meaningful work, boosting productivity.
4. **Fewer False Alarms:** Leadership avoids being overwhelmed by unnecessary escalations.
5. **Improved Efficiency:** Saves time across all levels, from technical teams to approval processes.

**Conclusion**

Adopting component-level categorization aligns security compliance with actual deployment environments. This change not only ensures fairness but also promotes cloud adoption, reduces unnecessary workloads, and fosters a more efficient and accurate reporting system. We urge leadership to consider this proposal to optimize our application security processes and encourage innovation without compromising compliance.