

AWS Environment Gap Analysis

This document outlines key gaps found in our AWS environment based on a recent NIST CSF-based review. Below is a detailed gap analysis spreadsheet outlining the identified issues, their associated risks, and the necessary fixes.

| Control Area | NIST Category | Gap Found | Risk | Fix |
|-----------------|---------------|-----------|--------|---|
| IAM MFA | PR.AC-7 | Yes | High | Enforce MFA across all IAM users |
| Logging | DE.CM-1 | Yes | High | Enable CloudTrail + alerts |
| Data Governance | ID.GV-3 | Yes | Medium | Create and apply data classification policy |

Note: The spreadsheet is color-coded for better visibility. High-risk items are highlighted in red, medium-risk items are highlighted in yellow, and low-risk items (if any) would be highlighted in green. Currently, no low-risk items are listed.

Legend

- **High Risk:** Items highlighted in **red**. These require immediate attention.
- **Medium Risk:** Items highlighted in **yellow**. These need to be addressed soon.