MJU-19: IAM Enforcement Hook Capsule

System: MaxJudicial

Module ID: MJU-19

Version: 1.0

Title: IAM Enforcement Hook Capsule

Classification: Identity Enforcement & Access Control Capsule

Responsible: TBYD System Integration Group

License Model: TBYD License v2.2 / Audit Addendum A

Standards Reference: SCIM v2.0, SAML 2.0, ISO/IEC 27001, TBYD Capsule Protocol v2.1

Applicability: MaxOneOpen v4.1+

# 1. Purpose

This capsule enables integration between MaxJudicial verdicts and external Identity and Access Management (IAM) systems. It structurally connects sanction or role revocation outcomes to IAM-compatible enforcement endpoints.

# 2. Capsule Fields

- capsule\_id: IAM hook capsule ID  
- linked\_verdict\_reference: verdict or enforcement capsule ID  
- iam\_protocol: ENUM { SCIM, SAML, proprietary }  
- target\_entity\_id: IAM target (user, group, role, object)  
- action\_type: ENUM { revoke\_access, suspend\_identity, enforce\_policy, notify\_admin }  
- execution\_mode: ENUM { one\_time, continuous, conditional }  
- audit\_trace\_reference: optional MaxAudit capsule link  
- fallback\_procedure: capsule reference in case IAM fails or blocks action

# 3. Example Integration

A verdict requiring access revocation for ROLE-SUPERUSER is linked to a SCIM endpoint. IAM Hook Capsule transmits action, confirms execution, and logs audit trace. If the target system blocks the command, fallback triggers a notification capsule.

# 4. CTO Summary

IAM Hook Capsules bridge sovereign governance decisions with operational IAM platforms. They ensure verifiable, capsule-traceable execution of access restrictions without breaking identity system boundaries.