

Higher Ed Identity Services Technologies LLC

Deploying the IdentitySTAR™ Identity Stack
At Caprica University

Outline

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- IdentitySTAR™ Products, Standards, & Best Practices
- Product Comparison
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Terminology (placeholder)

- IDMS (does it include eg directory and websso?)
- Identity Registry/Person Registry
- Access Management
- Workflow

About IdentitySTAR™

- Coalition of Internet2, Jakai, Kuali
- All open source
- All open standards (**where available*)
- Collection of projects
- Coordinating entity
- “There’s more than one way to do it”
 - Flexible technology options, flexible integration approaches

IdentitySTAR™

- Resource Coordination Council
 - Finds available resources at institutions and commercial affiliates to pair with needs at projects
 - Projects are *not* a part of IdentitySTAR™, but remain part of their existing umbrellas (I2, Jakai, Kuali, etc) and developer effort remains there
- Technical Architecture Council
 - Representatives from each project to coordinate design issues and release plans

IdentitySTAR™ Eligibility

- Applies to “Products” meeting IdentitySTAR™ defined IDM functionality
 - Not pieces of code or patches or combinations (eg: product X + product Y = IdentitySTAR™ provisioning)
- Product must be Open Source
- Product must adhere to IdentitySTAR™ Standards
 - Open Standards (where available) or public standards (otherwise)
- Product must be sustainable
 - Not “stuff we put up for people to download”

Vendor Options *(eg: part of a Kualu deck)*

- You own the software
- Multiple vendors provide integration services and production support
 - Ability to change vendors without requiring a technology change
 - IdentitySTAR™ Certification provides assurance

HEIST LLC

- 20 years of experience with higher ed market
- Deployments to your data center or cloud-based/hosted solutions
- Support contracts to meet your needs
 - Integration services (single product or whole suite)
 - Incident response (24x7, 9x5, per-incident)

IdentitySTAR™ Functional Areas

IdentitySTAR™ Core IDMS

- Person Data Services/Identity Registry
 - Registration/Enrollment
 - Batch Process/Syncing/Real Time APIs
 - Identity Data Workflow
 - Identity Reconciliation/Match
 - Profile Management
 - Authenticator Management
 - Identifier Management
 - Attribute Management and Calculation

IdentitySTAR™ Core IDMS

- Access Management Services
 - Group Management
 - Role Management
 - Permission/Privilege Management
- Delegated Administration and Self Service
 - UI

IdentitySTAR™ Identity Services

- Authn/Authz/Web SSO/Federated SSO
- Directory
- Provisioning and Deprovisioning
 - Enterprise/Federated
 - Engine
 - Connectors
- Presence and Location
- Audit and Reporting
- APIs/Data Integration

IdentitySTAR™ Policy and Architecture References

- (Standards and best practices)
- Compliance
- Privacy
- Workflow
- Audit

IdentitySTAR™ Products

- Core IDMS: OpenIDMS*
 - *Current Partial: OpenRegistry, KIM, Grouper, Drools, COmanage, etc*
- Authn: Kerberos, CAS, Shibboleth, Open2FA*
- Directory: OpenLDAP, 389, ApacheDS
- Provisioning: UC-FPS*, FPS Connector Library*
- Presence/Location: OpenCIA*
- Audit/Reporting: IdentityReport*

IdentitySTAR™ Standards

- SAML, OpenID, X.509, Kerberos
- SPML, SCIM*, SAML*
- LDAP
- ERP-IDMS*
- Groups/Authz*
- XACML
- EduPerson
- InCommon IAPs

IdentitySTAR™ Best Practices

- Policy Reference Library*
- Workflow Reference Library*
- Audit & Reporting Reference Library*
- Best Practices integrated into technical products to ease adoption

Product Comparison

- HEIST LLC-supported IdentitySTAR™ vs (the usual suspects)
- <https://spaces.internet2.edu/x/JZKKAQ>
 - (IAM-TEP)

HEIST LLC Integration Services: Functional

- Gap Fit Analysis
 - IDM Roadmap
- Business Process Flow
 - Documentation
 - Reengineering
- Stakeholder Outreach

HEIST LLC Integration Services: Technical

- Address specific problems with point solutions
 - eg: SSO Replacement, Add Group Management capabilities, etc
 - Low risk and low cost
- Build out a new IDM infrastructure
 - End-to-end IdentitySTAR™ Compliance
 - Based on IdentitySTAR™ Certified Releases
 - Maximum sustainability and organizational benefits

HEIST LLC Support & Maintenance Options

- Support Contracts can include minor patches and major upgrades
- IdentitySTAR™ Releases simplify product management

HEIST LLC Pricing/Cost Model

- Consulting and Analysis
- Integration Services
 - \$xxx for “off-the-shelf” services
 - \$yyy/hr for custom services
- Support Services
 - \$xxx/month Silver (9x5, 10 hrs/month)
 - \$yyy/month Gold (14x5, 25 hrs/month)
 - \$zzz/month Platinum (24x7, 50 hrs/month)