Banner Enterprise Identity Services Overview

Introduction

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What is Identity and Access Management?

- Identity Management
 - Identity management is a discipline which encompasses all of the tasks required to create, manage, and delete user identities in an electronic environment.
- Access Management
 - Ensures that the right services are available to the right people.
- Identity Access Management or (IAM)

Business and Identity

- Identification is the focal point of most business transaction.
- Most services are not available based on anonymous access.
- Service delivery necessitates a certain level of knowledge about the recipients.
- Identity matters!

So What is IAM - Really?

- Identity and Access Management
- Application Services Framework that will:
 - Improve Security
 - Reduce Cost
 - Enable new opportunities
- Via a common Framework for:
 - Provisioning
 - Deprovisioning
 - Authentication
 - Authorization

IAM Strategies and Challenges

- Complexity
 - Authoritative Identity Source(s)
- Cost
 - Development
 - Maintenance

Goals and Objectives

- Work from your prioritized drivers.
 - Re-state your challenges as opportunities for improvement.
- Know what success looks like before you begin.
 - Goals
 - Describe the desired outcomes and outputs by phase.
 - Scope
 - Describes the limits placed on phases.
 - Services
 - Describes the services that will be delivered by phase.
 - Timing
 - Describes the timelines associated with the implementation of phase.
 - Activities
 - Describes the activities that will be undertaken to implement the phase.
 - Infrastructure
 - Describes the newly introduced and retired components relative to the phase.



Banner Identity Management Goals

- Allow Ellucian Applications to work with 3rd Party Enterprise Identity Management Systems.
- Adopt a single/unified Campus Identity definition.
- Support user provisioning to Ellucian applications.
- Support user provisioning from Banner.
- Support user provisioning to Banner.
- Standards based authentication support.
- Support SSO protocols.

Banner Enterprise Identity Services (BEIS)

- Standards based architecture
 - LDAP
 - -CAS
 - SPML

- Allow Banner to participate in an Enterprise Identity Managed environment.
 - Identity Producer
 - Identity Consumer

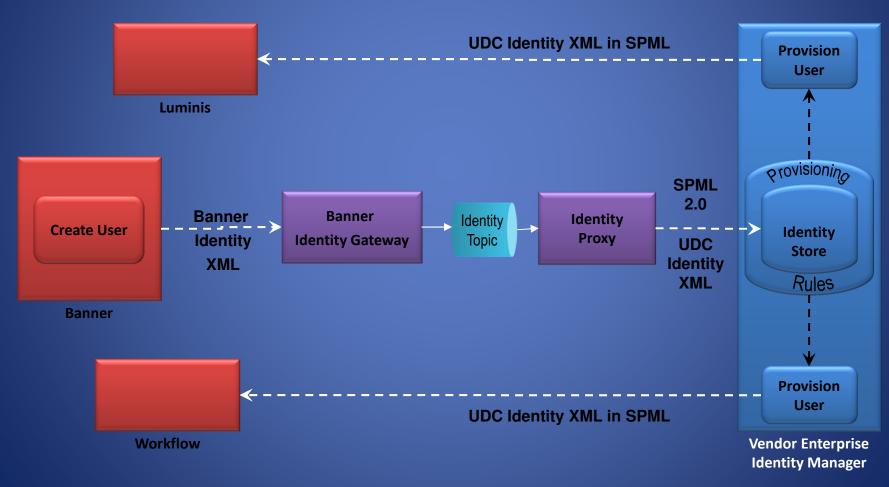
Banner Enterprise Identity Services

- IAM Services supported via BEIS:
 - Automated Services
 - Provisioning
 - Deprovisioning
 - Service Provisioning Markup Language (SPML)
 - Identity Data Export Utility
 - Batch interface for Identity Data Processing
 - Single Sign On
 - Central Authentication Service (CAS) for BANNER Internet Native BANNER (INB) and Self-Service BANNER (SSB) applications

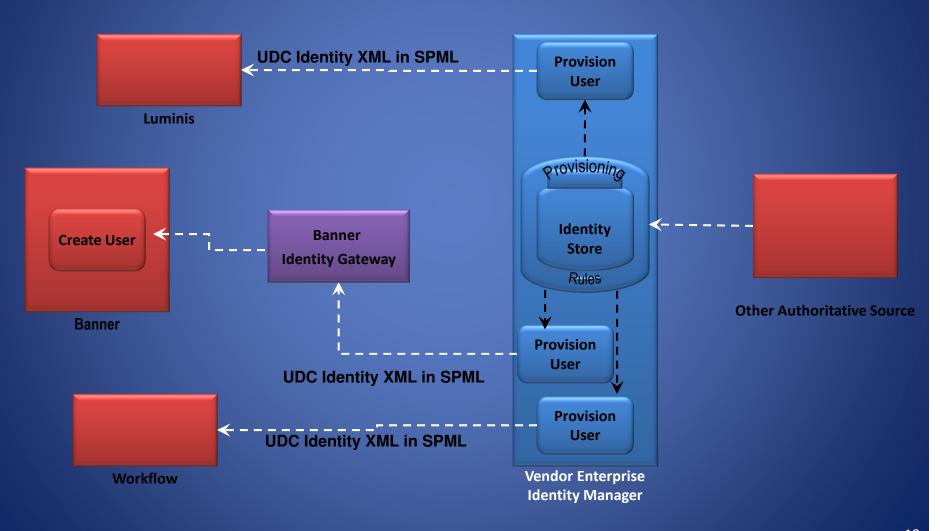
Banner Enterprise Identity Services - Provisioning

- Service Provisioning Markup Language SPML 2.0
- Outbound Provisioning
 - Banner is the Authoritative Source of Identity.
 - Target Systems Identity lifecycle management.
- Inbound Provisioning
 - Banner is Non-Authoritative for Identity.
- Can I do both Inbound and Outbound?
 - Yes!

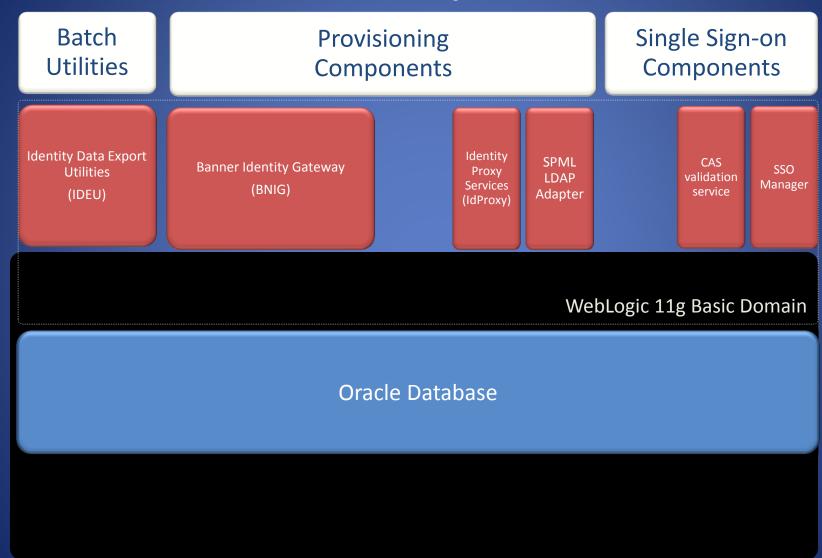
Identity Provisioning with Enterprise IdM - with Banner Authoritative



Identity Provisioning with Enterprise IdM - Banner as Consumer



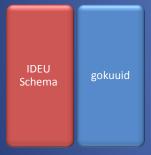
BEIS Components



Identity Data Export Utilities

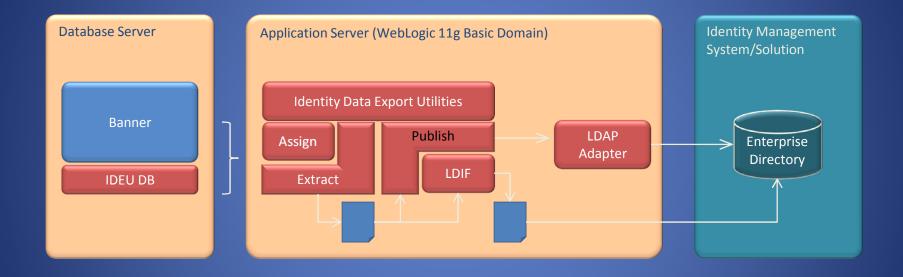
Batch Utilities

Identity Data Export Utilities (IDEU)



- UDC Identifier Assigner –
 generates GUIDs for all living
 persons in the Banner database.
- UDCIdentity Extractor creates a UDCIdentityList structure.
- LDIF Generator generates an LDIF files from a UDCIdentityList XML document.
- SPML Publisher publishes SPML messages from a UDCIdentityList XML document.
- File Operations download and delete files created by IDEU.

BEIS Components (batch utility runtime)



Banner Identity Gateway

Transforms Banner Identity XML messages to UDCIdentity XML messages.

- It is both a Consumer and a Producer.
 - Consumes Banner Identity XML messages from the Banner Identity Topic.
 - Publishes UDCIdentity XML messages to the UDC Identity Topic.
- Deployed to the Weblogic Server.
- Provides a host of functional and administrative services.
 - i.e. A GUID service for the creation of globally-unique identifiers.
- Administrative management console.
- For Inbound Configuration Scenarios
 - Banner Identity Gateway serves SPML Provisioning Service Target (PST) for inbound provisioning.
 - Banner Identity Proxy Service bypassed.

Banner Identity Proxy Service

Consumes UDCIdentity XML messages from the UDC Identity Topic.

- As the RA will POST SPML messages to defined PSPs
 - SPML Request Authority (RA) Registered agent for creation of well form
 SPML provisioning Request.
 - Provisioning Service Provider (PSP) Service which satisfies provisioning service request from an RA (consumes SPML message).
 - Provisioning Service Targets (PST) Actual end points for the identity data.

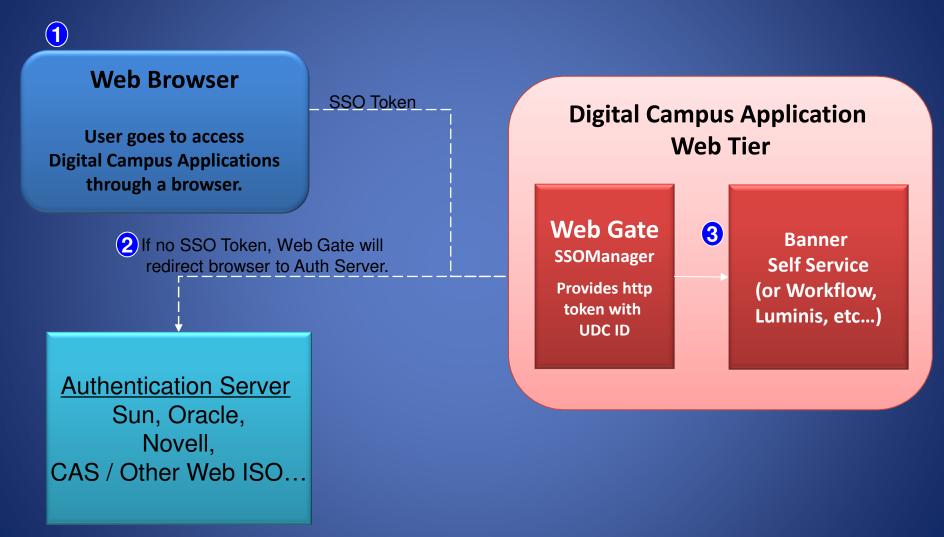


BEIS Authentication Support – SSO Manager

Support three ways to allow applications to authenticate users.

- Local Native Authentication
 - We continue to support the current authentication methods for SSB and INB.
- LDAP Authentication
 - Applications can authenticate with a configured LDAP directory server.
 - Allows a common login identifier and credential to be shared by all applications.
- Token-based Authentication
 - Applications support a pre-authenticated token used to establish user identity.
 - Supports Identity Management controlled environments and provides support for SSO protocols (CAS).

Single Sign On



BANNER Configuration

GUBUMAP

Maps entity PIDM to UDC_ID

GOBTPAC

- Trigger to generate BEIS event
- External User by default maps to LDAP login
- PIN can be extracted to default LDAP password

GOBEACC

- Maps entity PIDM to Oracle login
- Required for INB and BANNER XE Administrative that use Oracle login access controls

BANNER Configuration

- Possible New Administrative Tasks
 - Create BANNER entity accounts for all INB and BANNER XE administrative accounts
 - All Oracle BANNER application users must be mapped in GOBEACC
 - Map BANNER Entity to Oracle Login
 - (see above)

LDAP Configuration

- GUBUMAP
 - CAS asserted UDC ID must be populated in this table
- GOBEACC
 - BEIS SSO Manager and Adm9inistrative XE applications must be able to look Oracle login via the entity PIDM from this table

Questions

