

ArcGIS Platform Identity Management Capabilities Including OAuth & Enterprise Logins



Presentation Goals

To learn about...

- *Customer needs and expectations*
- *Business strategies for success*
- *Technical strategies for implementation*
 - *How to get ready to support enterprise logins?*
 - *How to implement OAuth and what are the usability considerations?*
 - *Demo linking multiple user stores together*
 - *Post authentication and content access*

Customer Needs and Expectations

1. Data Access and sharing

2. Deep integration

3. Single sign-on



Naveen
Executive

ACCESS ●●●●○
SECURITIES ●●●○○
CAPABILITIES ●●●●●



Meghan
IT

ACCESS ●●●●○
SECURITIES ●●●○○
CAPABILITIES ●●●○○



Manny
Accounting

ACCESS ●●●●○
SECURITIES ●●●●●
CAPABILITIES ●●●●○



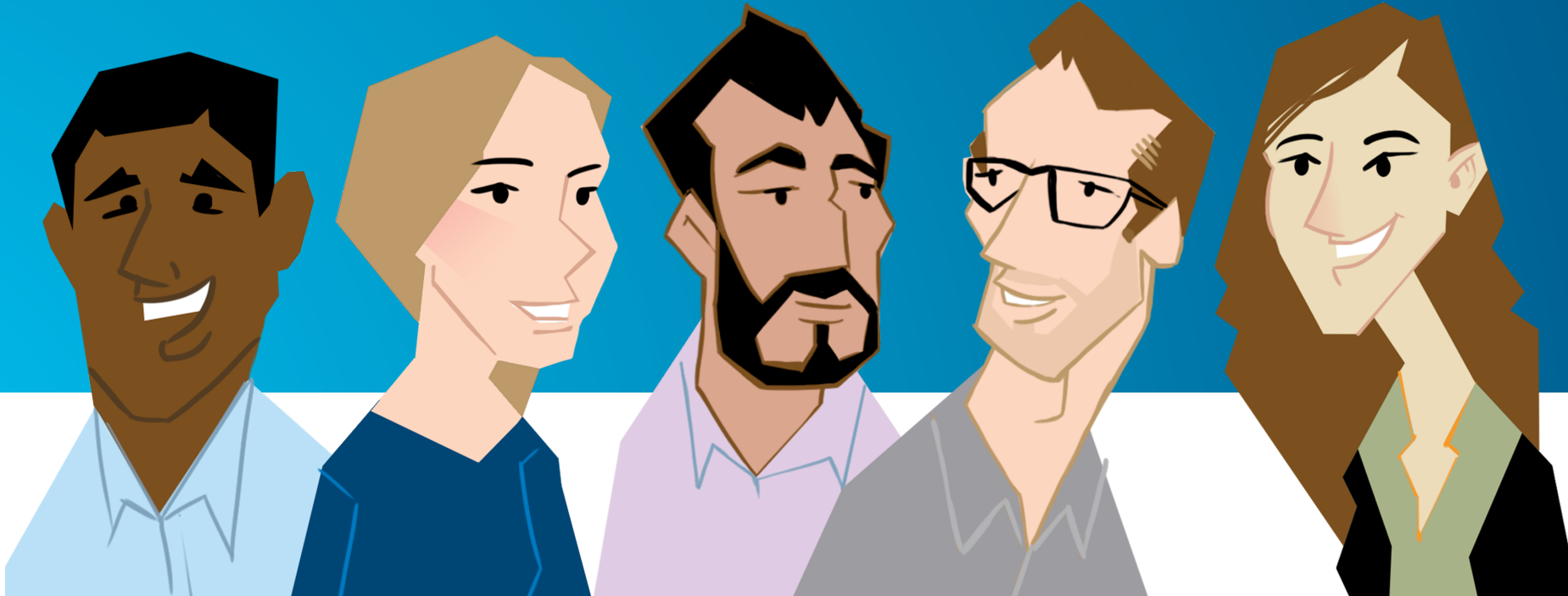
David
Field
Ops

ACCESS ●●●●●
SECURITIES ●●●○○
CAPABILITIES ●●●●○



Kristin
Human
Resources

ACCESS ●●●○○
SECURITIES ●●○○○
CAPABILITIES ●●●○○

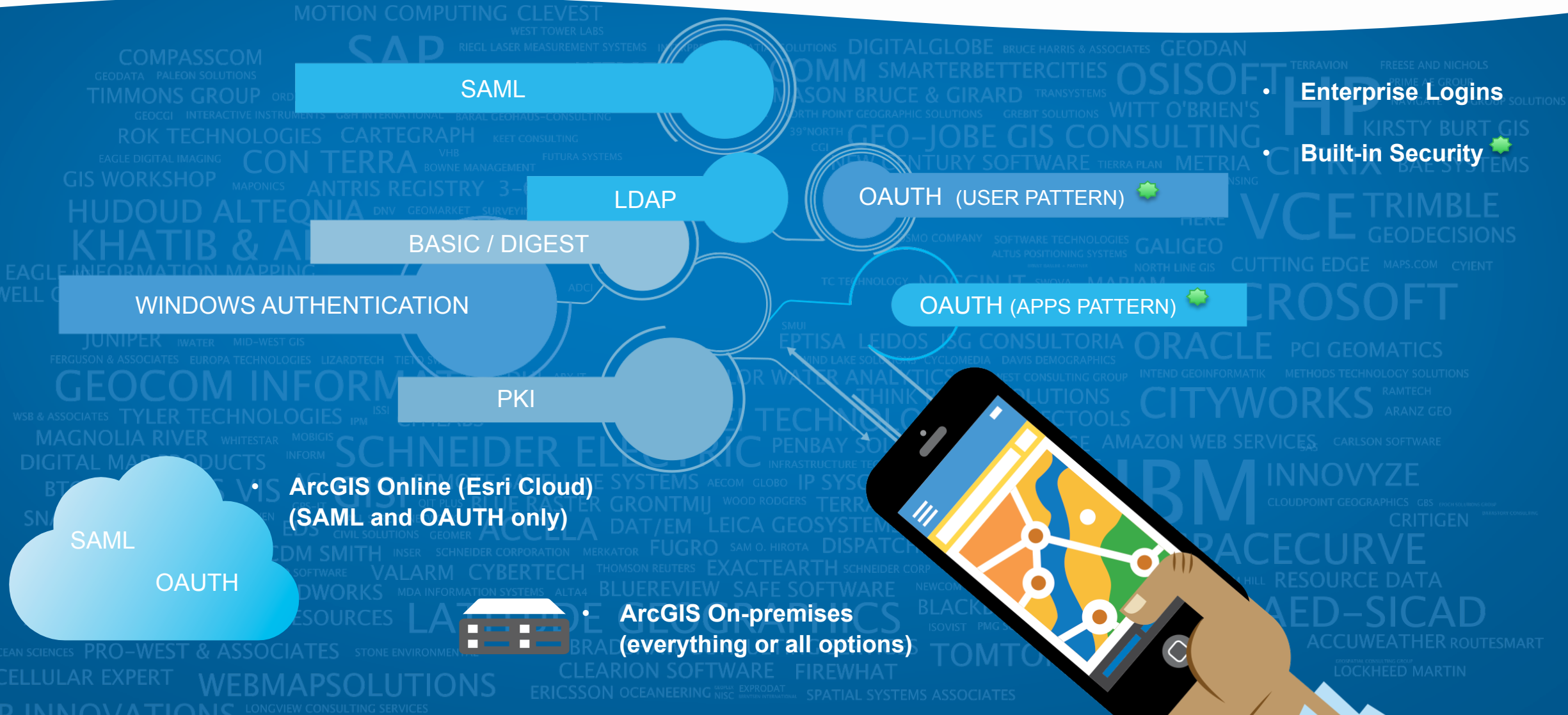


Business Strategy ► Build Apps and Success Together

- Offer the right Identity Management option(s) to fit your market
- Reduce variable costs associated with Geocoding, Routing, Demographic, Elevation and Spatial Analysis service usage by offloading API credit consumption from your app to ArcGIS users
- Minimize responsibilities and risks involving password management
- Gain sellable value adds when contributing back to ArcGIS making it possible to use apps like Collector, Ops Dashboard, ArcGIS Pro and ArcGIS for Desktop
- Access ArcGIS user profile information and their unique content to power your apps
- Simplifying app development using classes and methods from Esri's APIs/SDKs



► **Pick the Identity Management patterns you want to support**



Technical Strategy

► Pick an ArcGIS developer product

ArcGIS API for
JavaScript or
Esri Leaflet*



ArcGIS
Runtime SDK
for Android



ArcGIS
Runtime SDK
for iOS and
OSX



ArcGIS
Runtime SDK
for Java



ArcGIS
Runtime SDK
for .NET



ArcGIS
Runtime SDK
for .Qt



ArcGIS — Integrated Identity Management Support

* ArcGIS capabilities and services are REST-based making it possible to roll your own authentication libraries

Technical Strategy

► Understand what's inside the ArcGIS developer products

Class: OAuthInfo

[Print this page](#)[\[AMD Module Require | Legacy Module Require \]](#)[Constructors](#) | [Properties](#) | [Methods](#)

```
require(["esri/arcgis/OAuthInfo"], function(OAuthInfo) { /* code goes here */ });
```

Property Documentation

- (AGSAAuthenticationType) authType

[read](#) [write](#) [nonatomic](#) [assign](#)

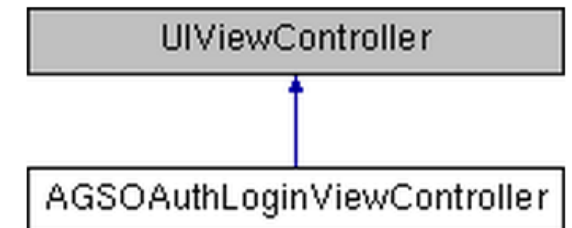
The type of authentication needed to access a secured resource. Possible values include

- AGSAAuthenticationTypeUnknown
- AGSAAuthenticationTypeNone
- AGSAAuthenticationTypeToken
- AGSAAuthenticationTypeHTTP

Since

1.0

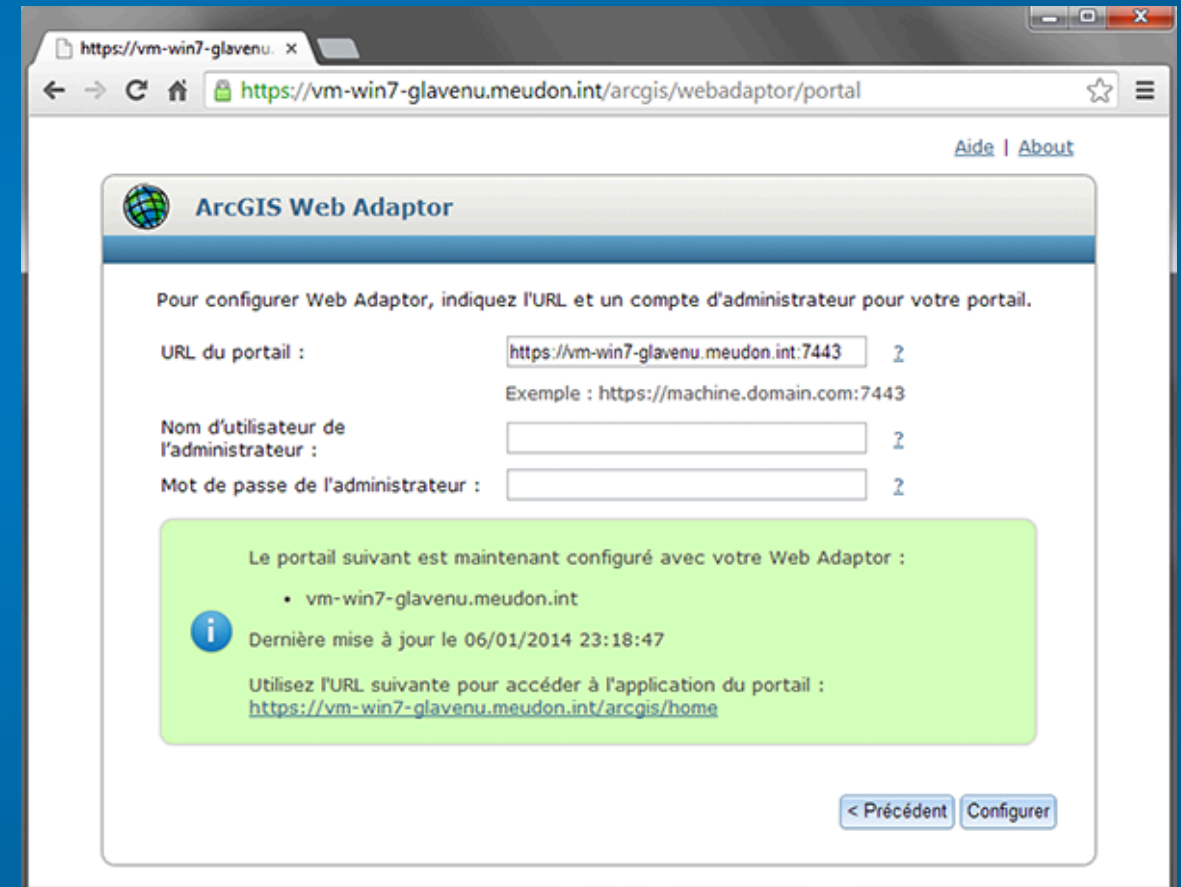
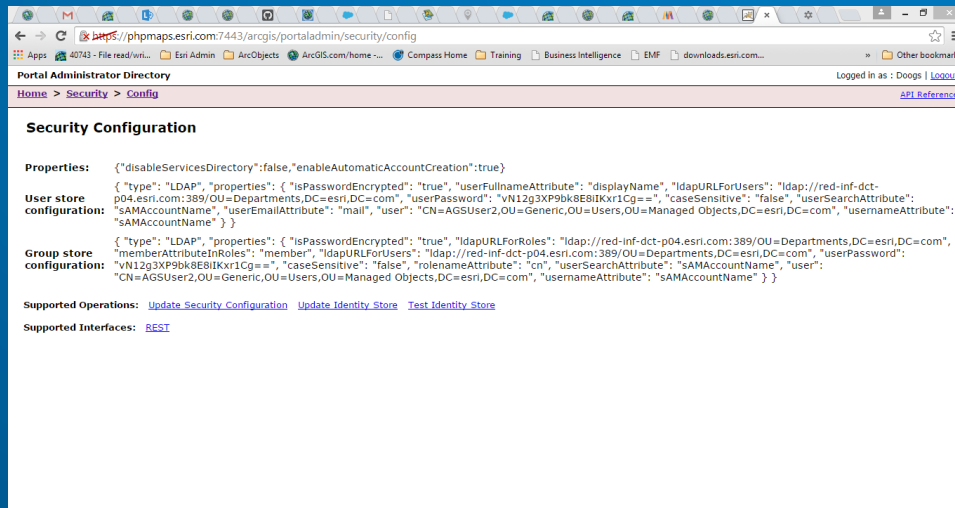
- Time saving conveniences
- Ability to go from cloud to on-premises
- Developer documentation and support



Technical Strategy

► Steps to support Enterprise Logins (Web Tier Authentication) on-premises

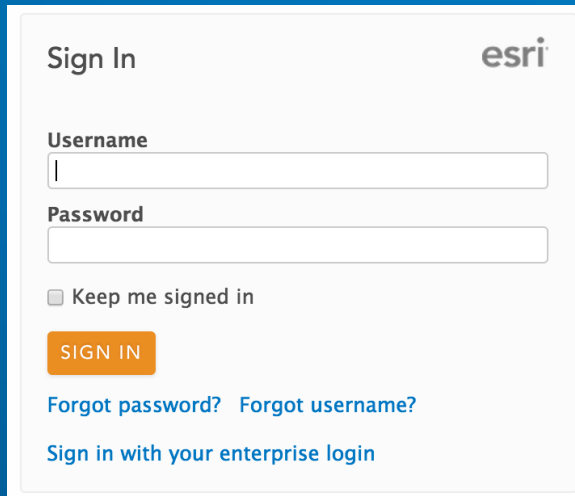
1. Deploy ArcGIS for Server, Web Adaptor, Portal for ArcGIS
2. Federate Server with Portal
3. Configure Web Server to Support LDAP or Windows Authentication via Portal Admin




Technical Strategy

► Steps to implement OAuth (Cloud / On-premises)

1. Register application on developers.arcgis.com to access needed variables like clientId, redirectUrls and clientSecret
2. Choose an OAuth pattern to support (User or Apps)
3. Determine environment and developer product to use
4. Make use of refresh token



Sign In 

Username

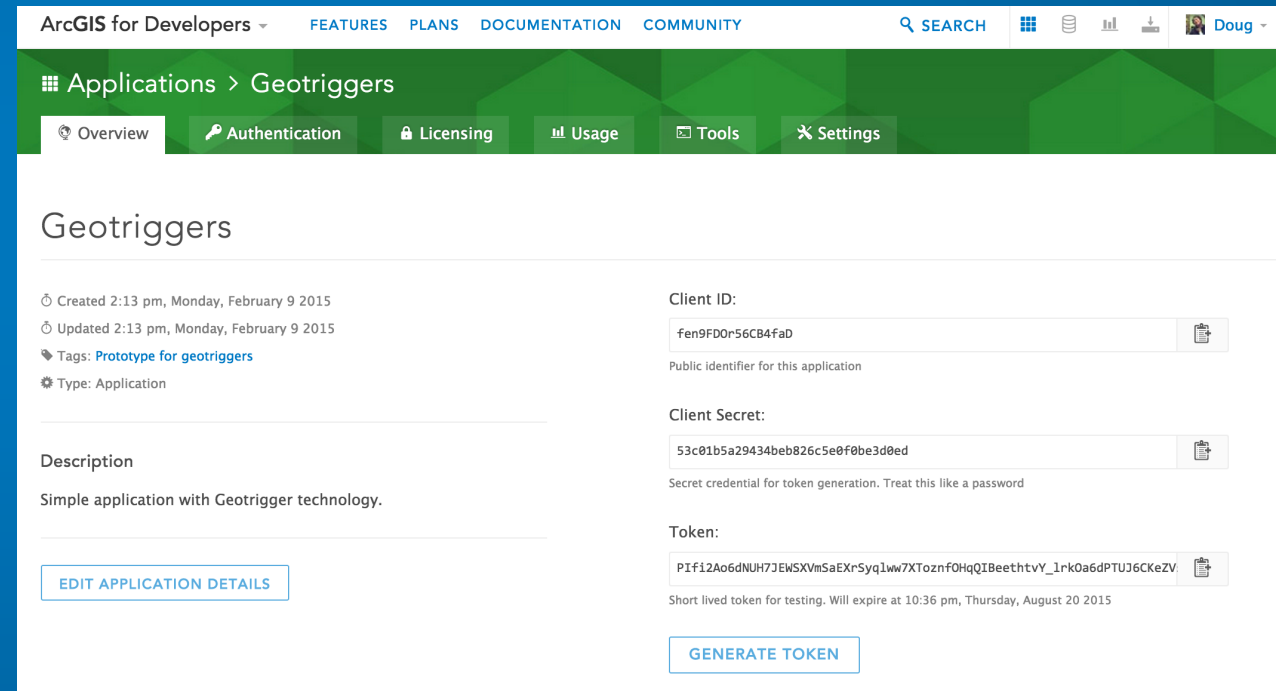
Password






☐ Keep me signed in

[SIGN IN](#)

[Forgot password?](#) [Forgot username?](#)

[Sign in with your enterprise login](#)



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Applications > Geotriggers


[Overview](#) [Authentication](#) [Licensing](#) [Usage](#) [Tools](#) [Settings](#)


Geotriggers


Created 2:13 pm, Monday, February 9 2015
Updated 2:13 pm, Monday, February 9 2015
Tags: [Prototype for geotriggers](#)
Type: Application

Description
Simple application with Geotrigger technology.

[EDIT APPLICATION DETAILS](#)

Client ID:
 
Public identifier for this application

Client Secret:
 
Secret credential for token generation. Treat this like a password

Token:
 
Short lived token for testing. Will expire at 10:36 pm, Thursday, August 20 2015

[GENERATE TOKEN](#)

* When on-premises, register and access application variables by logging into Portal for ArcGIS and creating a new application item under the My Content tab ([KB44907](#))

Content Access: Robust when Identity is Known

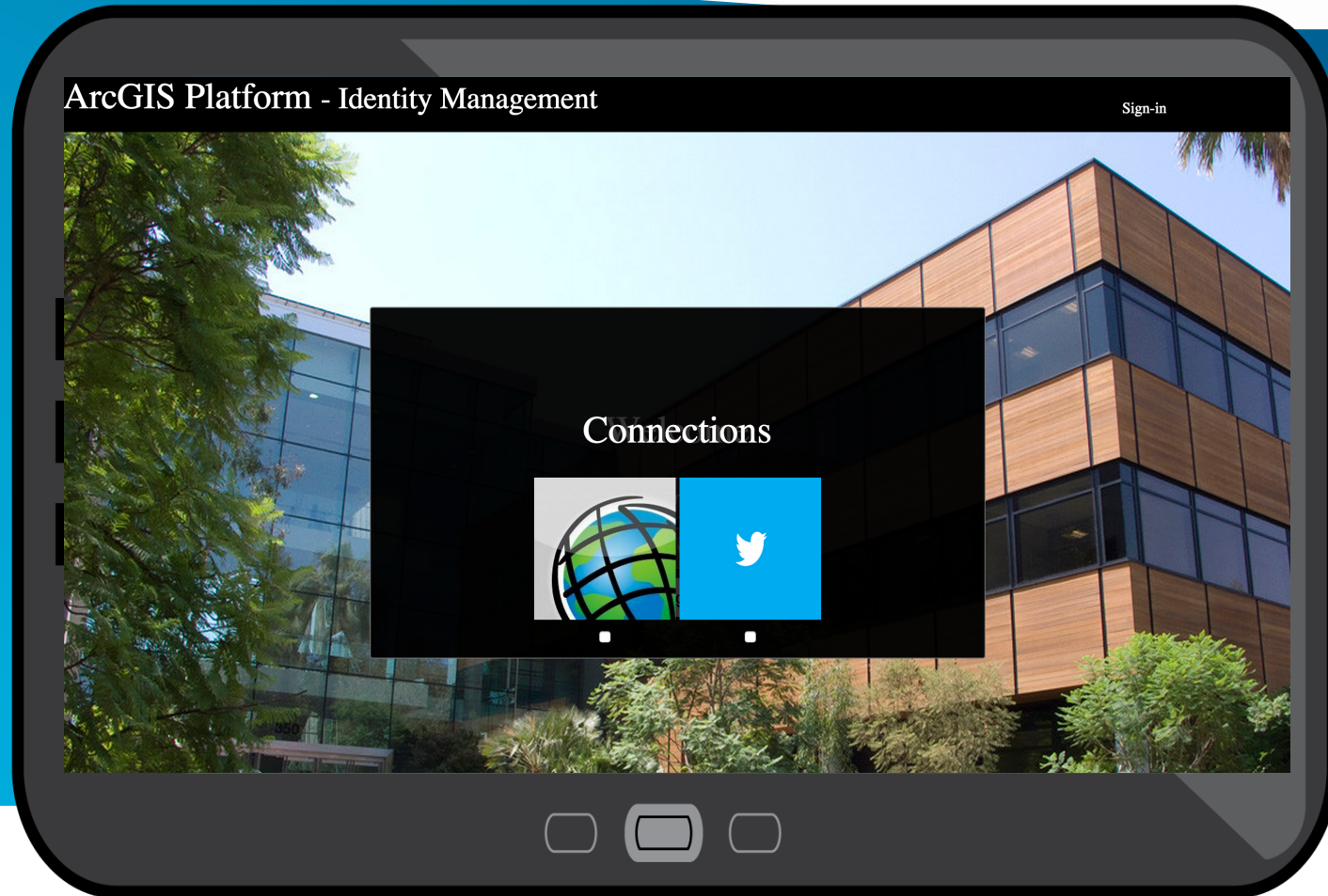
Application Authentication

1. Geocoding
2. Routing
3. Demographics
4. Premium Layers and Imagery
5. Elevation Analysis
6. Spatial Analysis
7. Geotrigger Capabilities

User Logins

1. Geocoding
2. Routing
3. Demographics
4. Premium Layers and Imagery
5. Elevation Analysis
6. Spatial Analysis
7. Geotrigger Capabilities
8. Read content owned by user
9. Read content shared with user
10. Create update and delete users content
11. Create update and delete content shared with user
12. Share content with other users

Demo Time





Questions?