



Using Enterprise Logins in Portal for ArcGIS via SAML

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Session Agenda

What we will cover...

- **Introduction to SAML**
- **Configuring SAML use case**
- **Final thoughts...**

What is...

The Holy Grail for Security?

Why is single sign-on (SSO) so important?

Everyone benefits...!

- **Administrators:**

- One set of users to manage
- More robust security



- **Users:**

- One set of credentials to remember
- Single sign-on experience



- **Developers:**

- Don't have to reinvent security
- Leverage more advanced security options



Where does SAML fit into the SSO story?

- **Enables...**
 - Remote WAN authentication via HTTP
 - Users can come from a variety of enterprise stores
- **It is the *Security Assertion Markup Language***
 - Not a specific solution
 - Provides a framework for remote authentication
 - Highly flexible – works with a wide variety of apps
- **Popular**
 - Lots of SAML solutions out there
 - Expanding security framework

SAML use cases for ArcGIS portals

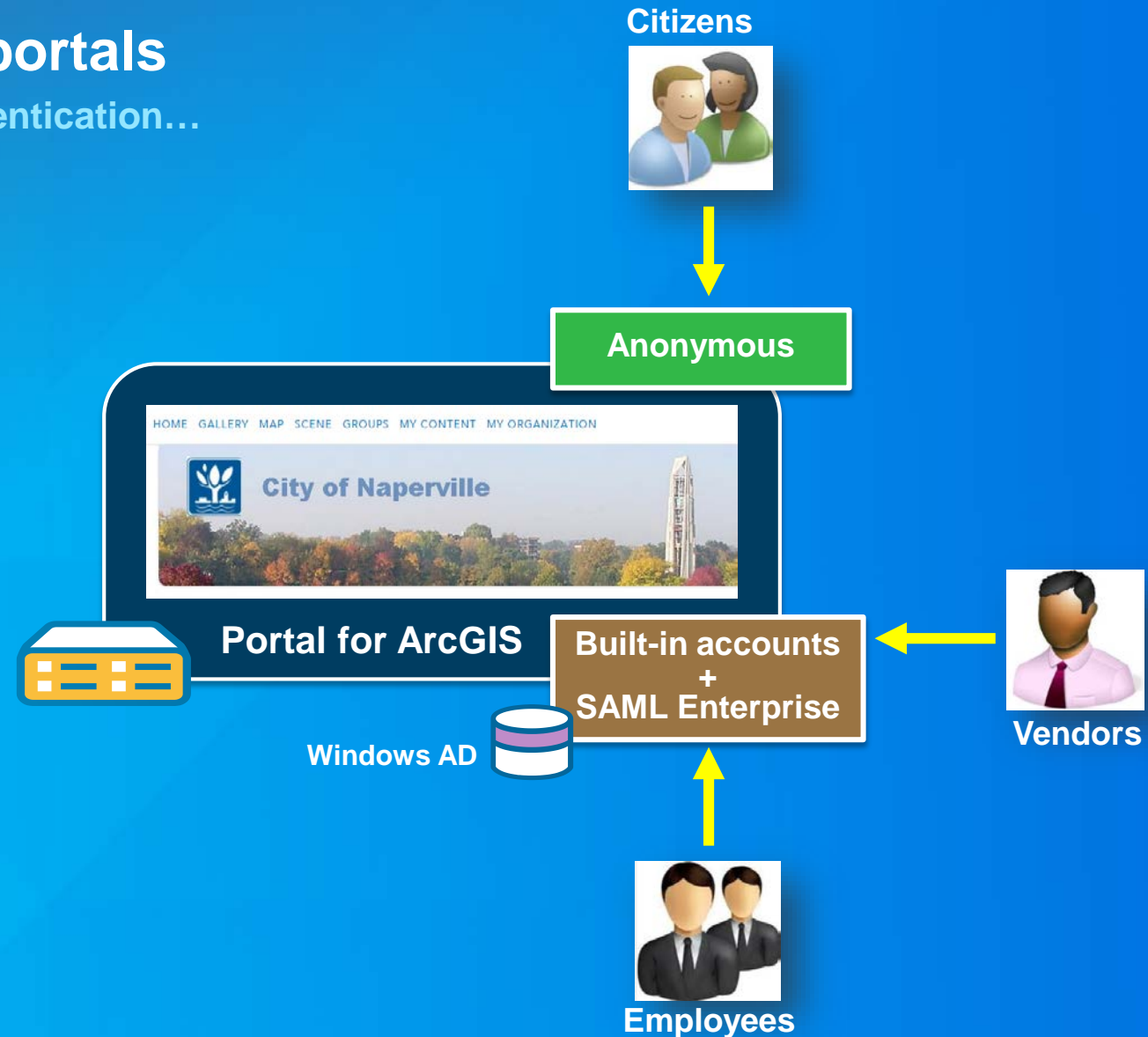
Leveraging enterprise users via HTTP authentication...

- **ArcGIS Online**

- Leverage existing enterprise user account in the cloud.
- Only single sign-on option

- **Portal for ArcGIS**

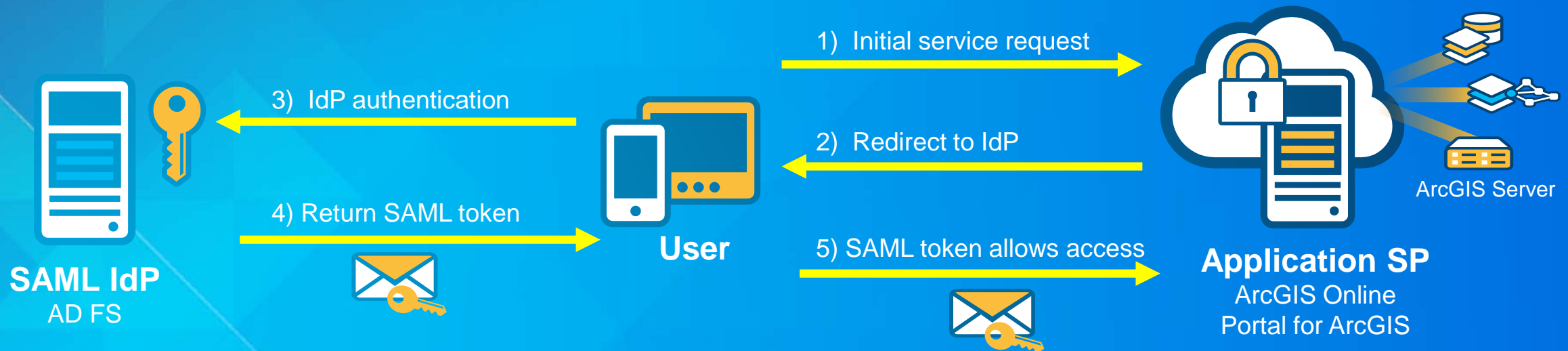
- Allow both enterprise (staff) and built-in access (vendors)
- Provide access for users from multiple domains in an AD forest



How does SAML authentication work?

Who are the players and how do they interact?

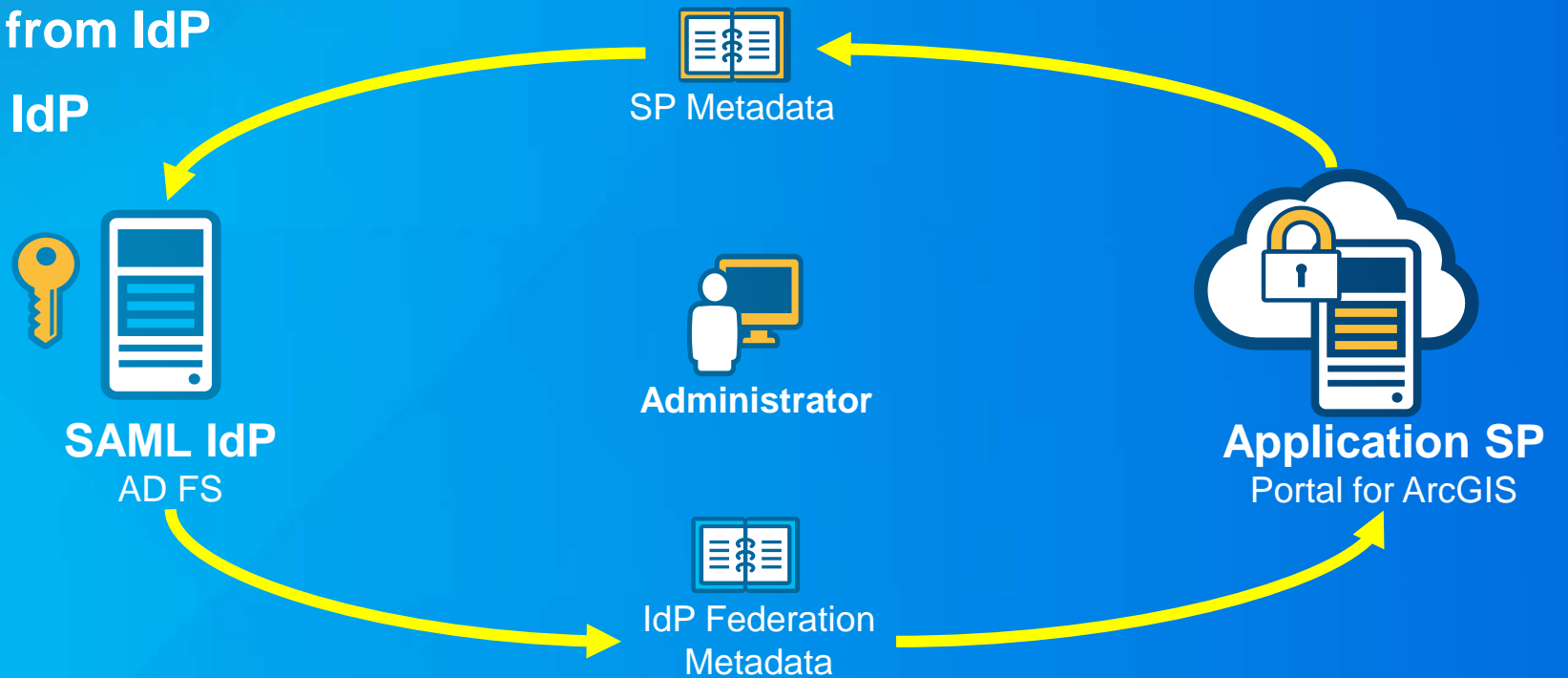
- **Service Provider (SP): Secured application** (e.g., Portal for ArcGIS)
- **Identity Provider (IdP): Authentication app** (e.g., AD FS)
- **User: Needs to gain application access**



How is SAML configured?

You must establish a *trust*...

- Get Service Provider Metadata from Portal
- Configure IdP to Trust Portal
- Get Federation Metadata from IdP
- Configure Portal to Trust IdP
- Define enterprise admin



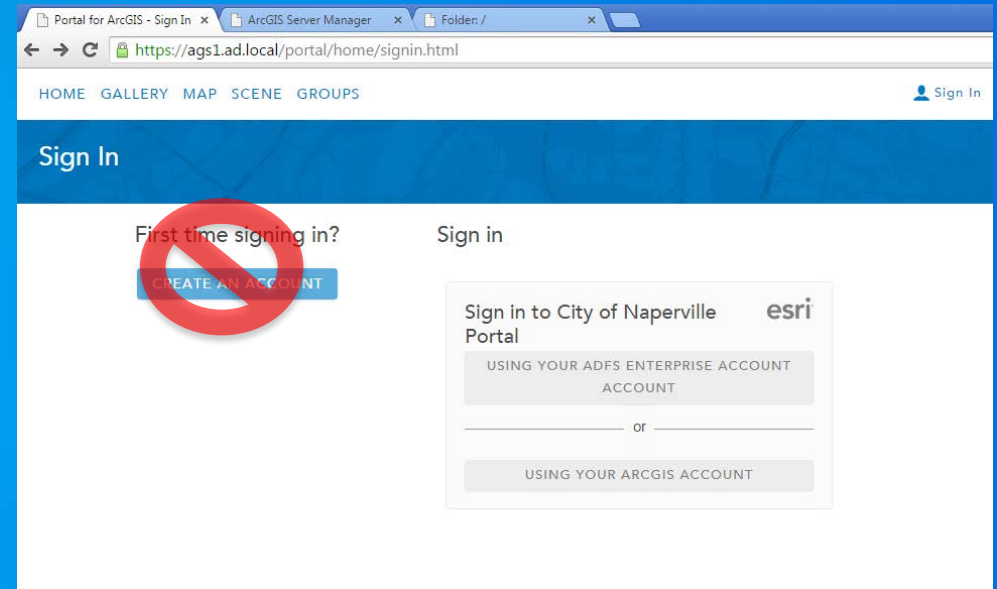
Demo

Configure SAML in Portal for ArcGIS

Security best practices & tips

Important details that close security holes...

- **Portal settings to *enable* or *disable*...**
 - SSL only
 - Anonymous access
 - Auto account creation from enterprise login
 - Create built-in accounts at login
- **Admin user accounts**
 - Remove or demote portal admin account
 - Add other built-in accounts (customers/vendors)

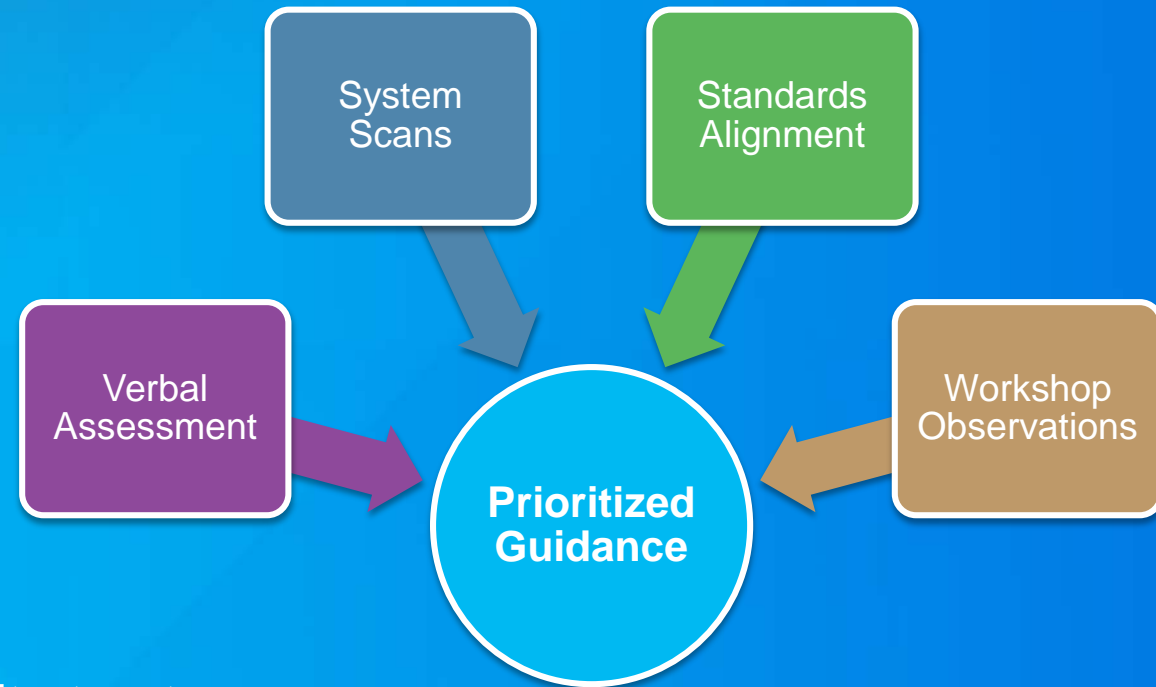


Getting outside help...

When should you call Esri Professional Services...?

- **Security Architecture Services**

- **Review**
- **Guidance**
- **Optimization**



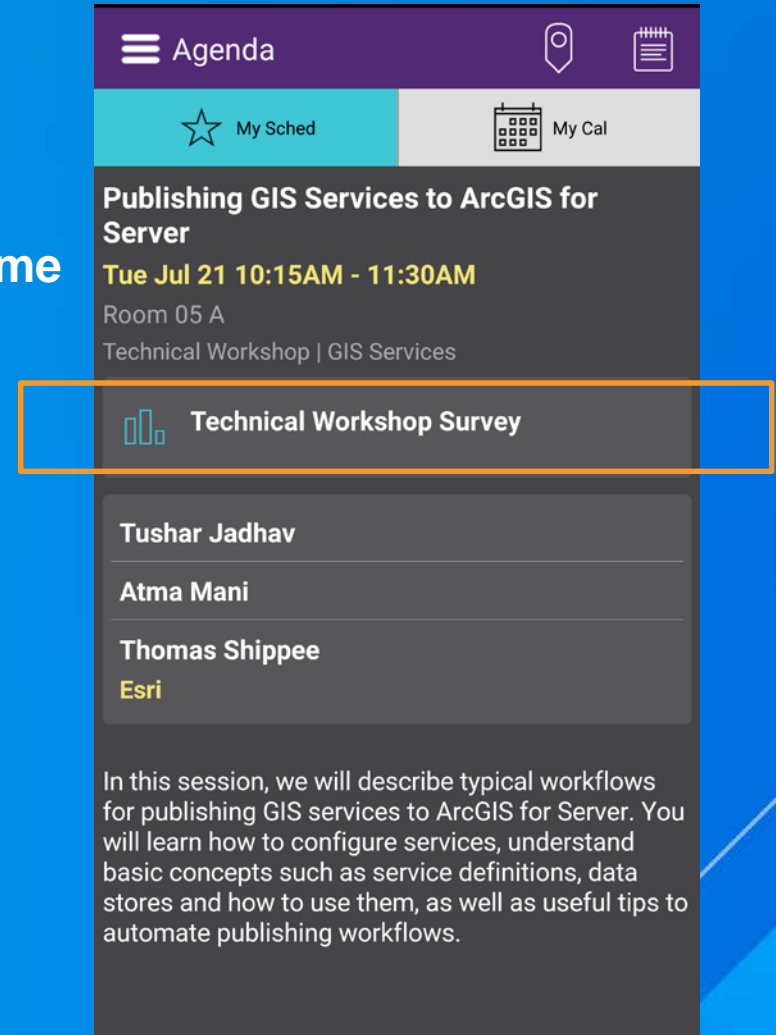
- **Contact the Security Standards & Architecture team**

- SecureSoftwareServices@Esri.com for more info

Get It Done Right with Esri Professional Services

Thank you...

- Please fill out the session survey in your mobile app
- Select Technical Workshop in the Mobile App
 - Use the Search Feature to quickly find this title or presenter name
- Click “Technical Workshop Survey”
- Answer a few short questions and enter any comments



Questions?

Other security sessions to checkout...

- **Enterprise GIS: Security Strategy**
 - Thursday, 23 Jul 2015, 3:15pm - 4:30pm - Location: Ballroom 06 E
- **ArcGIS Server and Portal for ArcGIS: An Introduction to Security**
 - Thursday, 23 Jul 2015, 1:30pm - 2:45pm - Location: Room 04
- **ArcGIS Server: Advanced Security**
 - Wednesday, 22 Jul 2015, 3:15pm - 4:30pm - Location: Room 03
 - Thursday, 23 Jul 2015, 3:15pm - 4:30pm - Location: Room 04
- **ArcGIS Online: A Security, Privacy, and Compliance Overview**
 - Wednesday, 22 Jul 2015, 10:15am - 11:30am - Location: Room 17 B



Understanding our world.