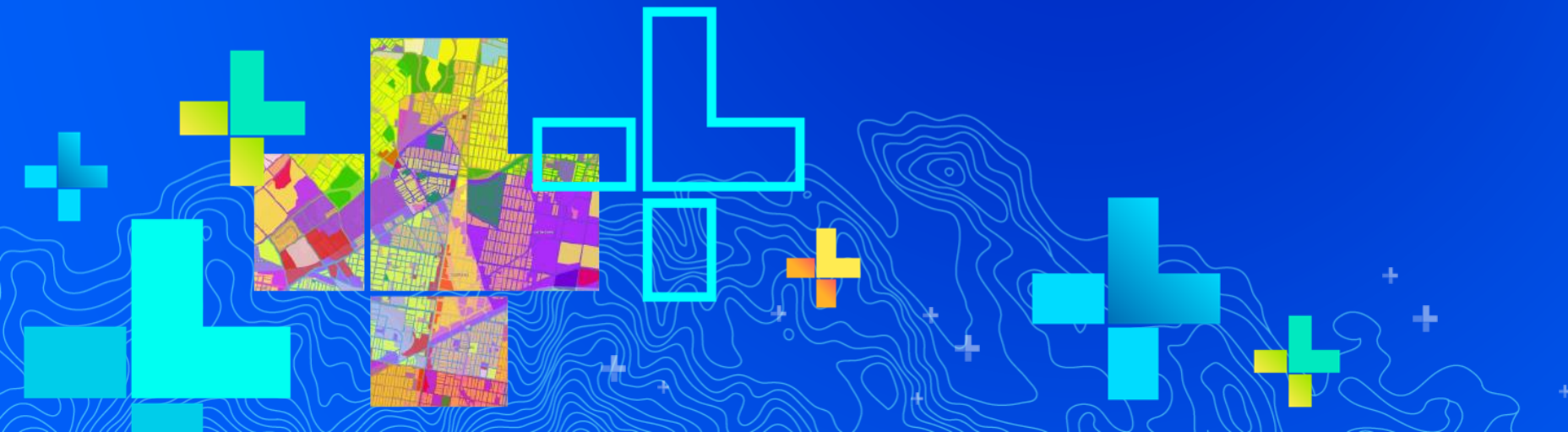


Preparing to Implement Portal for ArcGIS

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About Us

- **Platform Engineers within Esri Professional Services (Redlands)**
- **Specialize in:**
 - **ArcGIS Enterprise Deployments**
 - **Configuration**
 - **Security**
 - **Best Practices**
 - **Web GIS**



The Importance of Planning

- **What makes a good plan:**

- **Architecture diagram**
- **Necessary hardware**
- **Review of system requirements**
- **Know your system goals**
- **Software configurations**
 - *Access*
 - *Security*
 - *SSL/TLS*

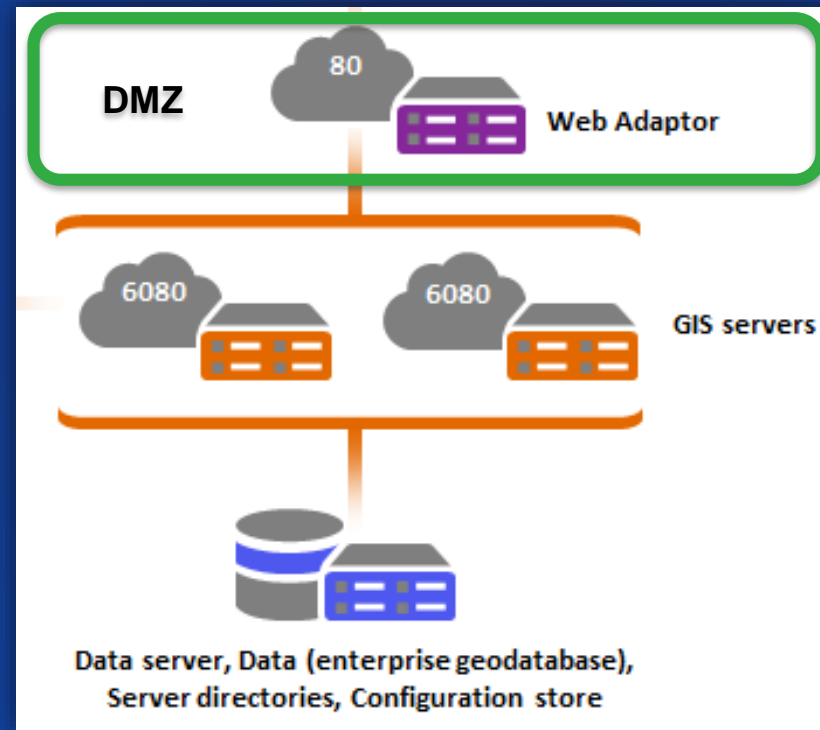


Access

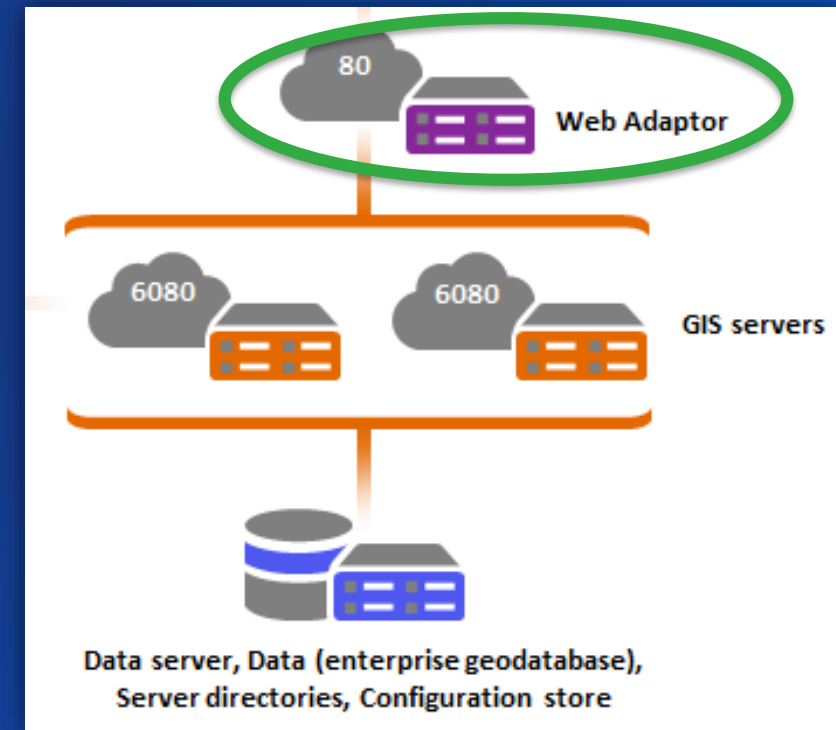


Access

- Internal versus External
- Considerations:
 - Sensitivity of the data
 - Need for public sharing
 - Mobile usage
 - Security



External



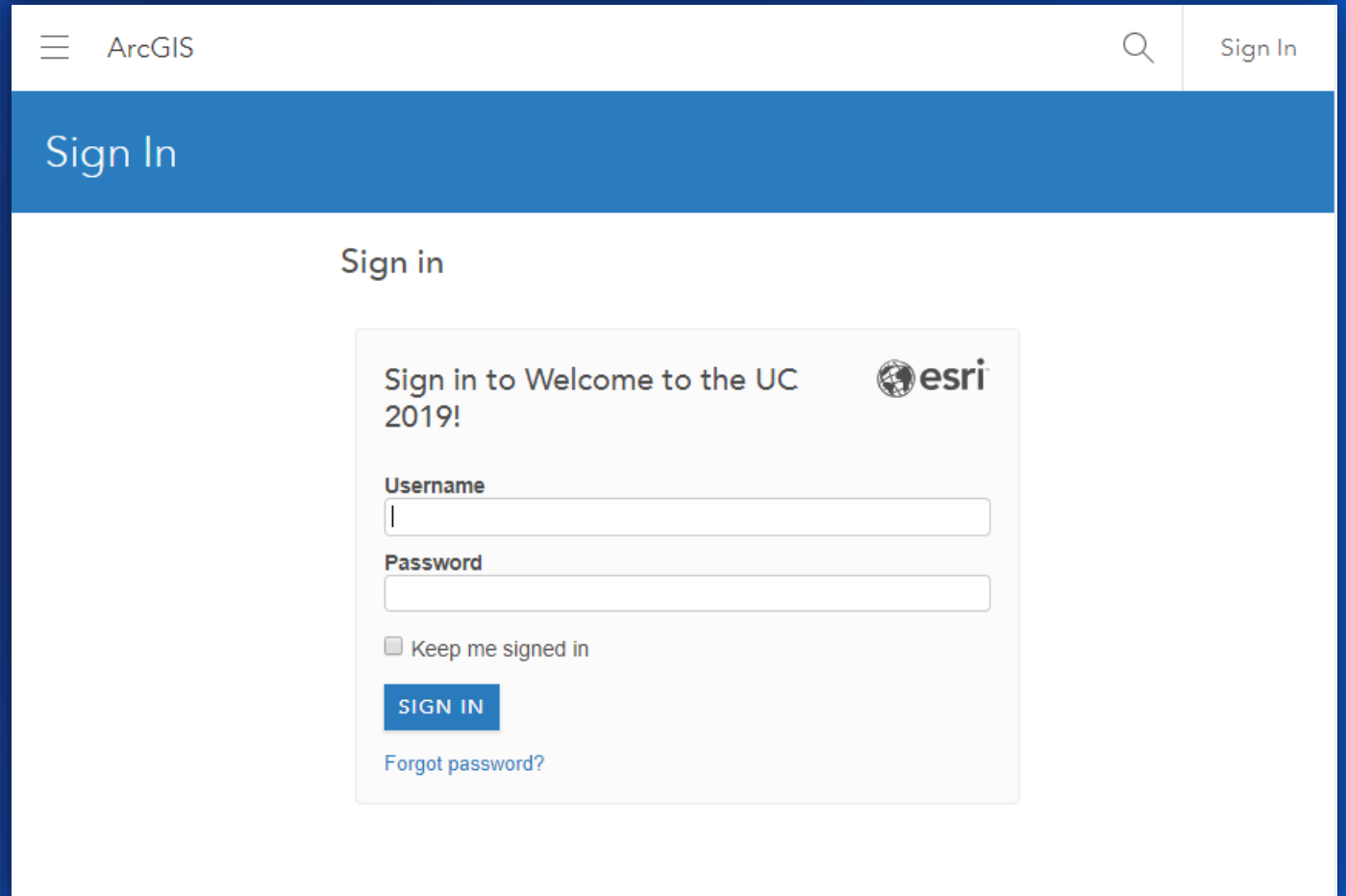
Internal

Security



Security

- **Built-in logins**
 - Included with Portal
 - User managed
 - Good for getting started

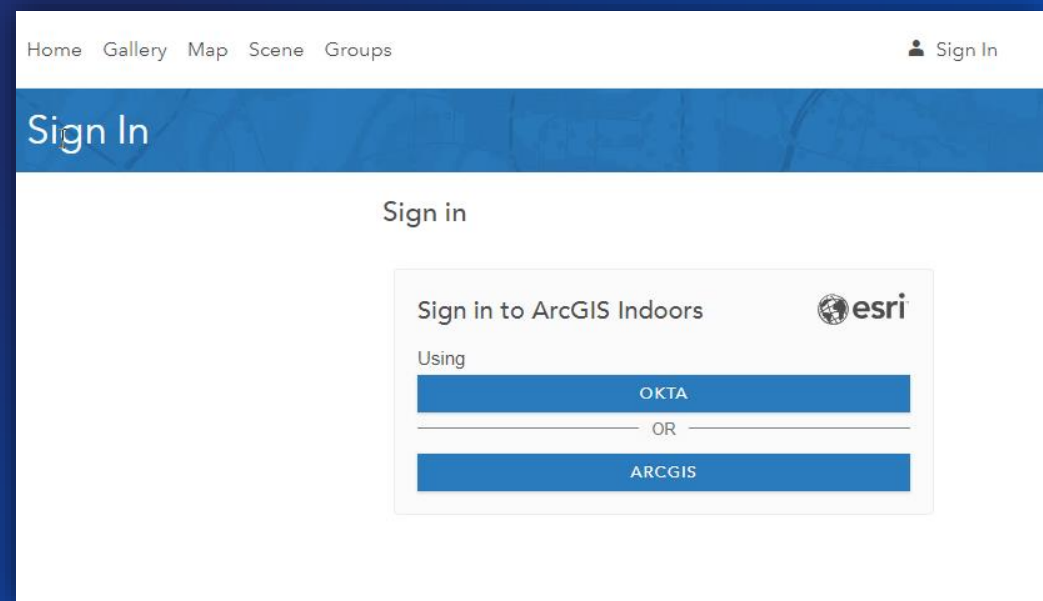
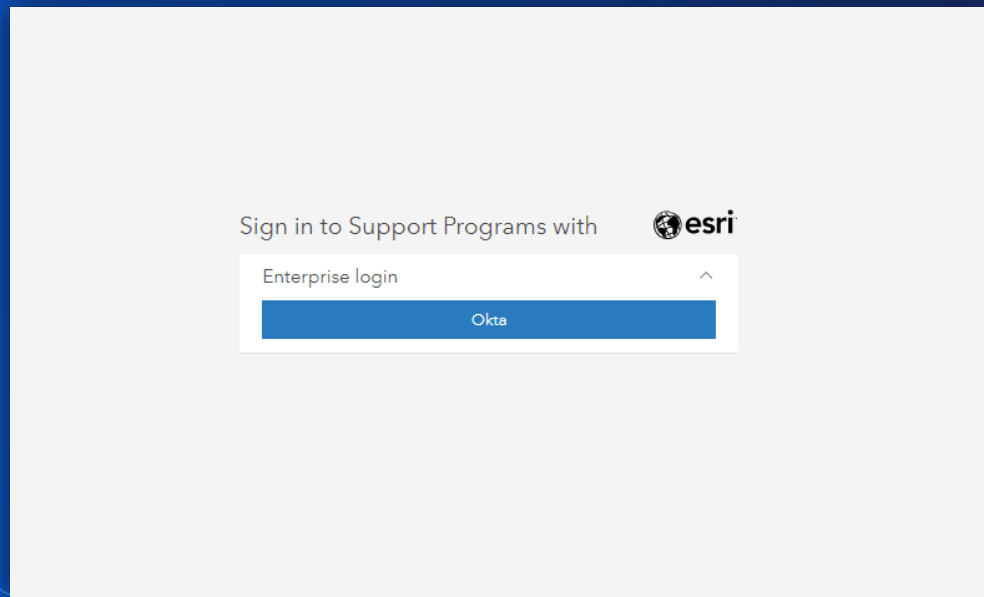


The screenshot shows the ArcGIS Sign In page. At the top, there is a navigation bar with the ArcGIS logo, a search icon, and a 'Sign In' link. Below this is a blue header with the text 'Sign In'. The main content area is white and features a 'Sign in' heading. A sign-in form is centered on the page, containing the following elements:

- A heading: 'Sign in to Welcome to the UC 2019!' with the Esri logo to the right.
- A 'Username' label above a text input field.
- A 'Password' label above a password input field.
- A checkbox labeled 'Keep me signed in'.
- A blue 'SIGN IN' button.
- A link for 'Forgot password?'.

Security

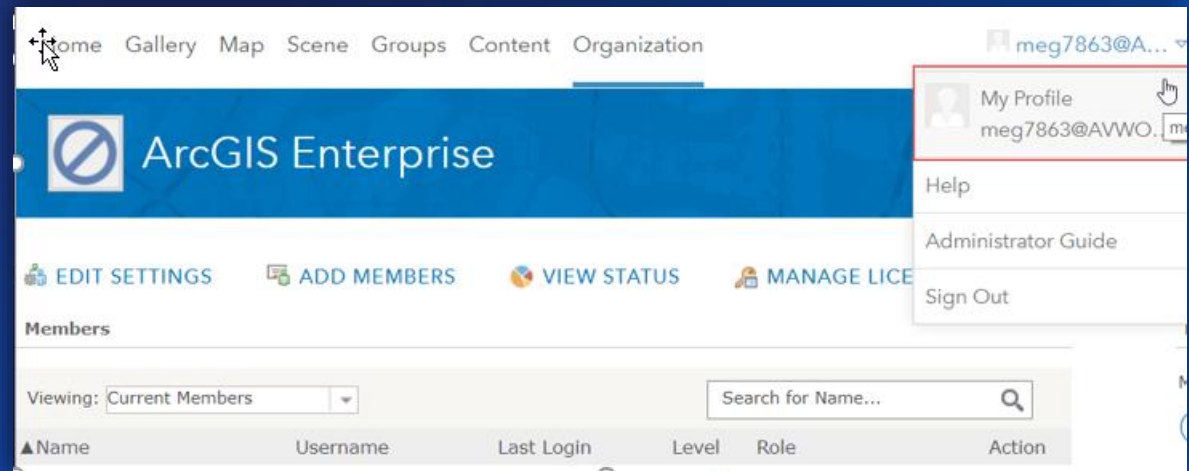
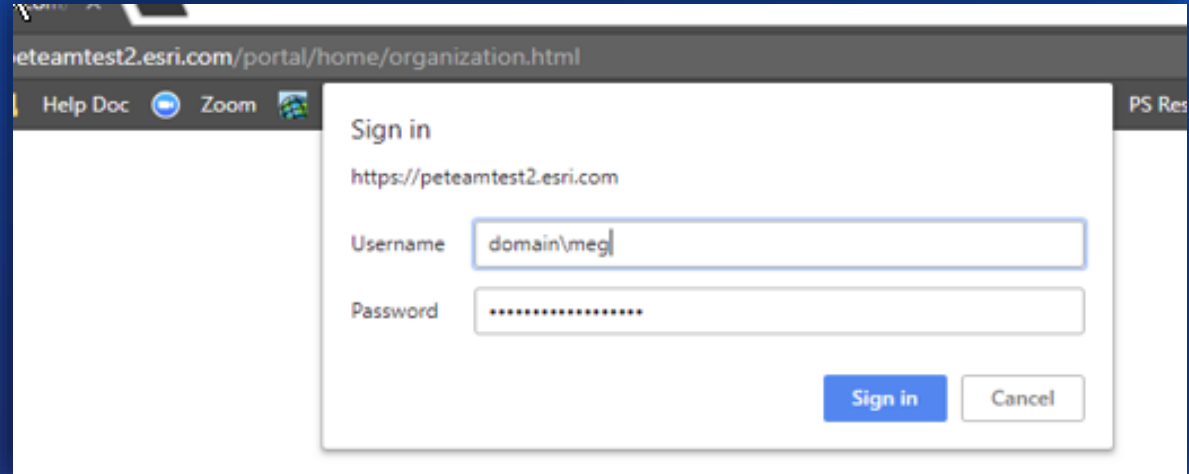
- **SAML based Enterprise Logins (Security Assertion Markup Language)**
 - Requires integration with an IdP, for example ADFS
 - IT Managed
 - Good for supporting a combination of internal and external logins



Security

- **Web Tier**

- IWA, LDAP, PKI
- IT Managed
- Good for internal only deployments



- **DEMO**

SSL/TLS



SSL/TLS

- **What is it?**
 - **SSL (Secure Socket Layer):** encryption security for the web, websites using HTTPS
 - **TLS (Transport Layer Security):** an updated, more secure, version of SSL
- **Why is it important?**
 - **Safeguards sensitive data**
 - **A system requirement in Portal for ArcGIS**



SSL/TLS

You



Bad

Intranet



Better

Internet

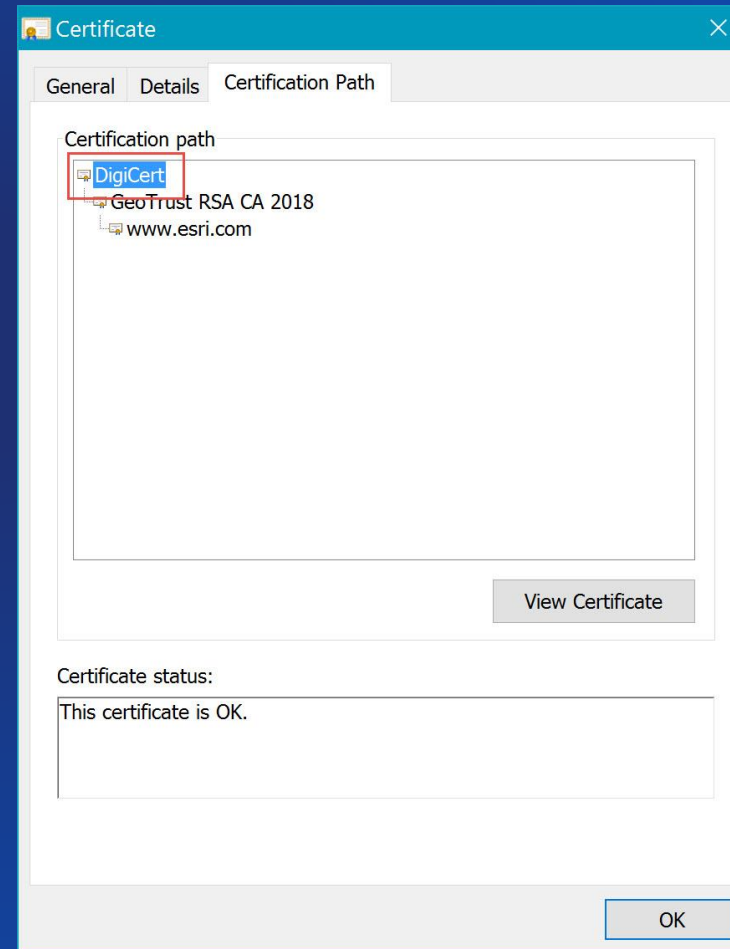
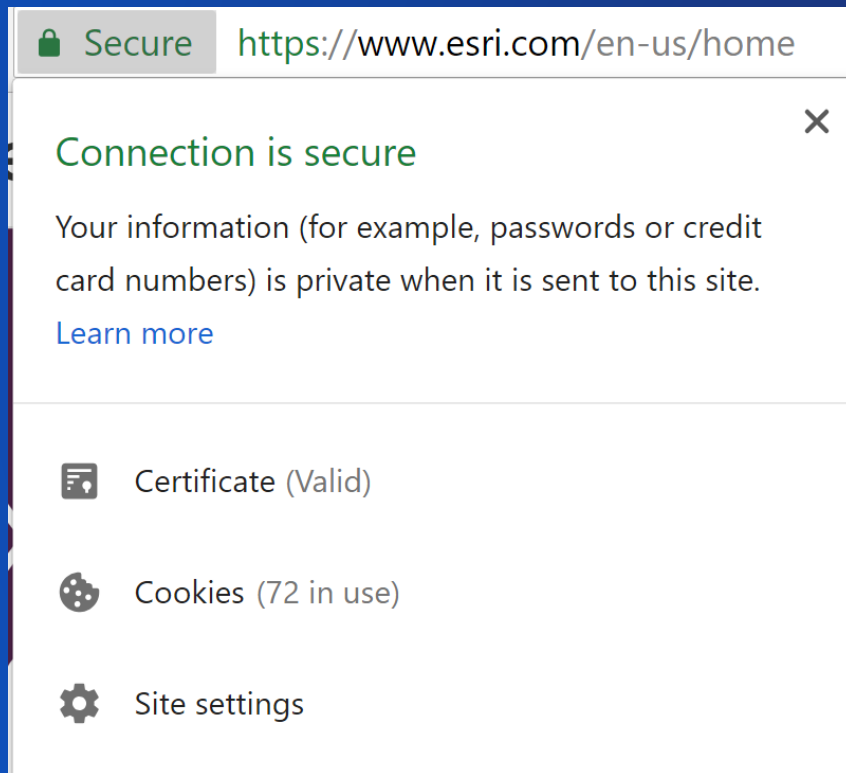


Best



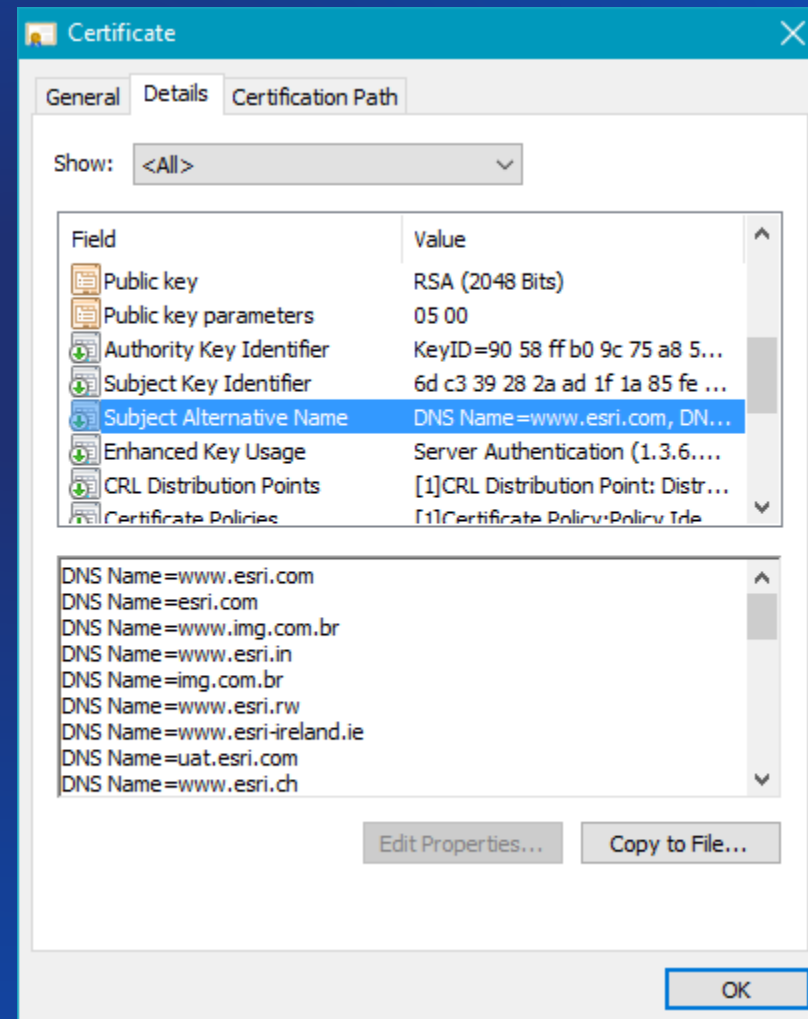
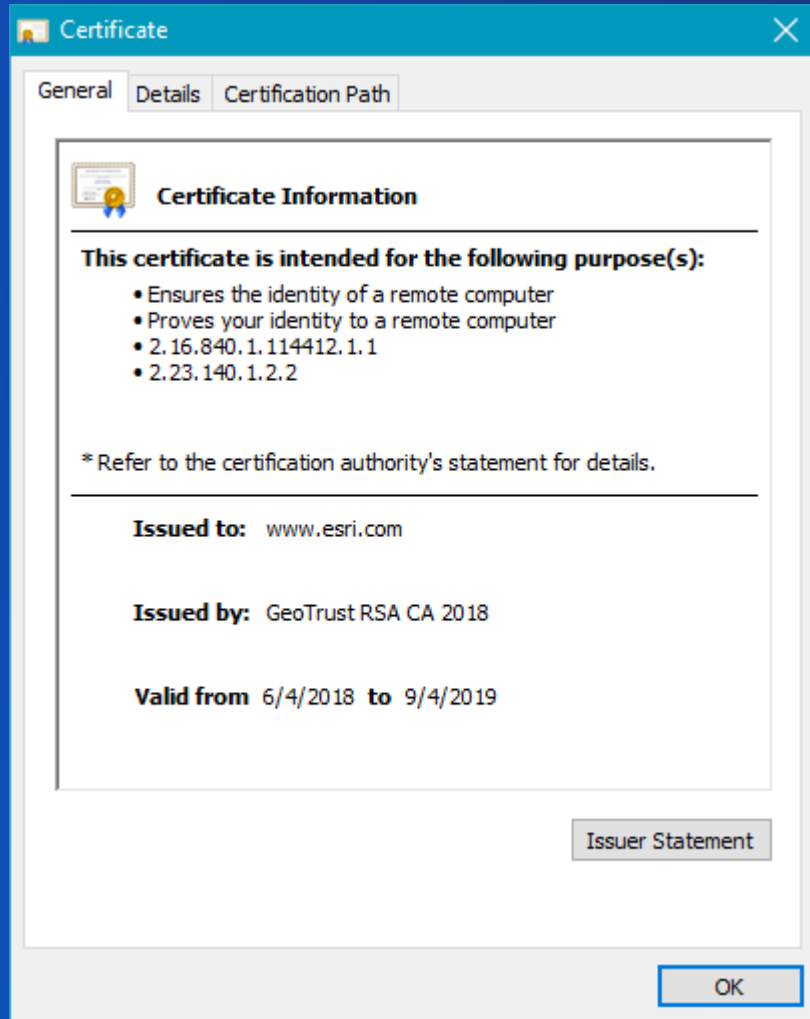
SSL/TLS

- **Tip #1: Purchase a CA-signed certificate from a trusted Authority**



SSL/TLS

- Tip #2: make it a multiple domain certificate, i.e. SAN



Putting it all
together



Scenario 1

- **Organization: Mom & Pop GIS Inc**
- **Requirements:**
 - **Secure logins for 50 internal staff members Enterprise connected to existing LDAP store**
 - **Sensitive data that can not be shared publicly**
 - **No mobile workflows**






Scenario 1

SSL/TLS

Security

Access

	CA-signed Cert	Web Tier	SAML	Built-in	Internal	External
Scenario 1						

Scenario 2









- **Organization: City of San Diego**
- **Requirements**
 - **Secure logins for 3,000 government employees + 500 non-government contract workers**
 - **Publicly shared web applications**
 - **Field crews that need connected mobile access**



SSL/TLS

Security

Access

	CA-signed Cert	Web Tier	SAML	Built-in	Internal	External
Scenario 1						
Scenario 2						

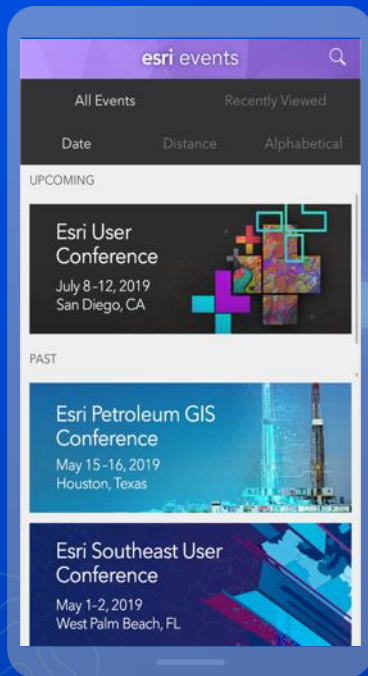
Questions?

Find us at the “Guiding Your Geospatial Journey” island

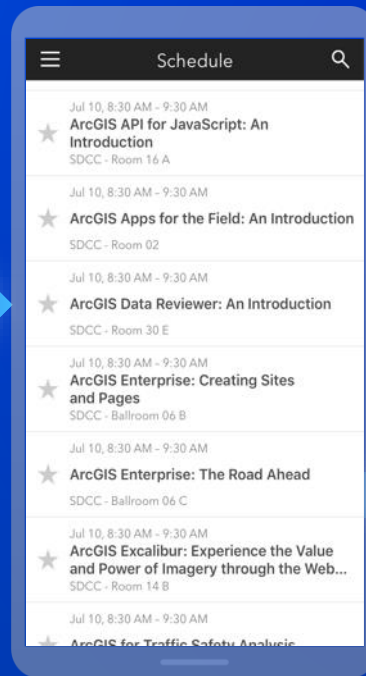


Please Share Your Feedback in the App

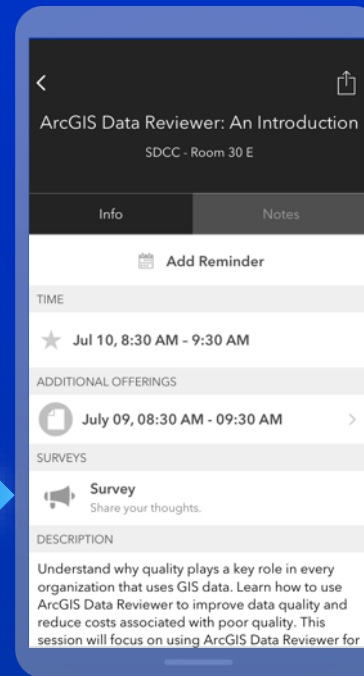
Download the Esri Events app and find your event



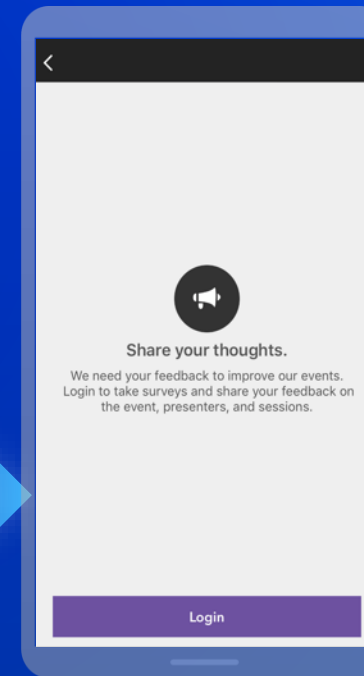
Select the session you attended



Scroll down to "Survey"



Log in to access the survey



Complete the survey and select "Submit"

