

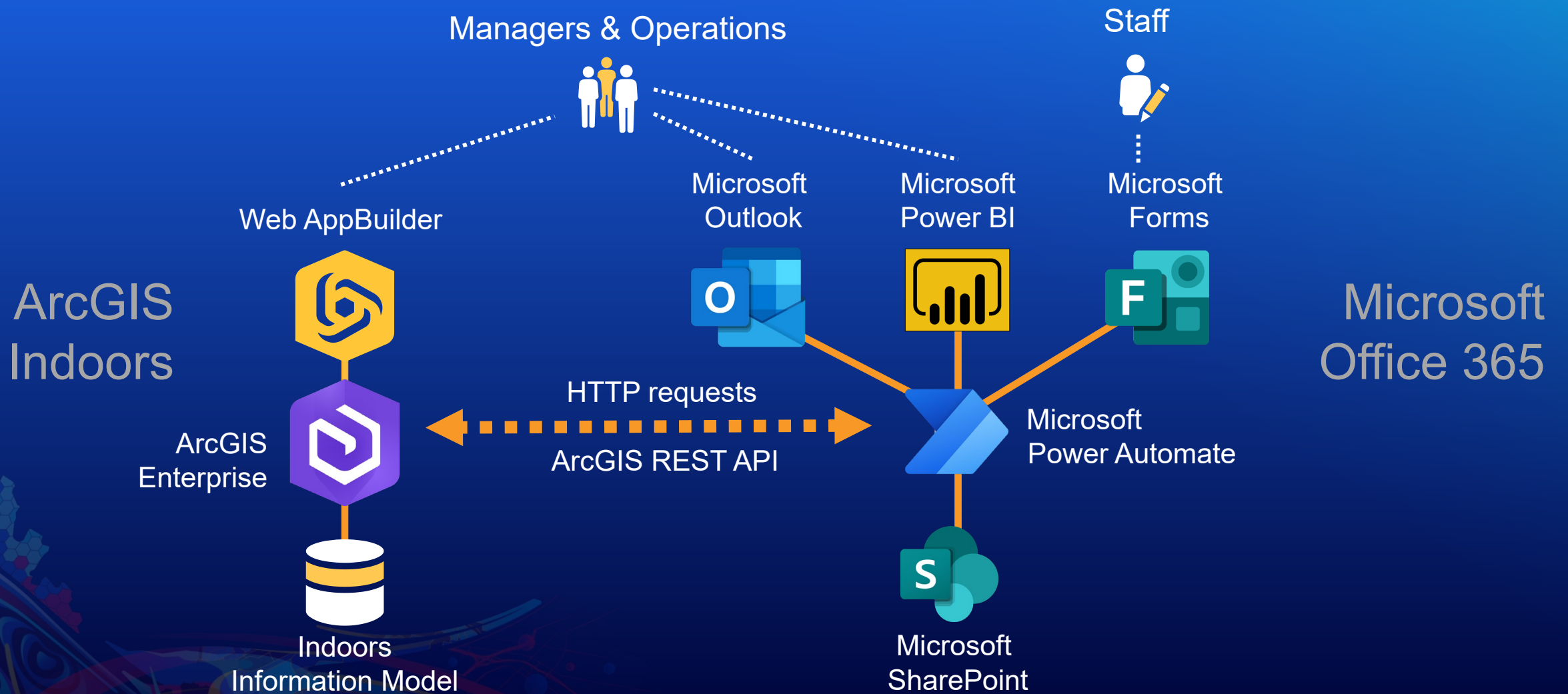


How We Built It: Office Visits with ArcGIS Indoors & Power Automate

Nate Bennett

2021 ESRI
DEVELOPER SUMMIT

Office Visits System



Situation

Working from office



Situation

Working from office



Working from home



Situation



Situation



Visit the office



Situation



Visit the office

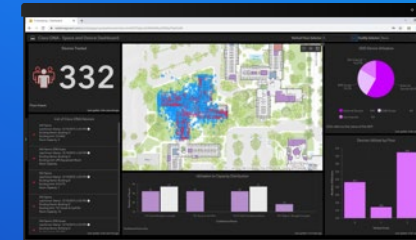


- **Secure systems/workflows**
- **Home office “complications”**

ArcGIS Indoors

Asset, Space, and Building Management

Dashboards



New & Improved

- Space Planning
- Room Booking
- ArcGIS Online
- 3rd Party Integration
- Easier and Faster

3D Maps



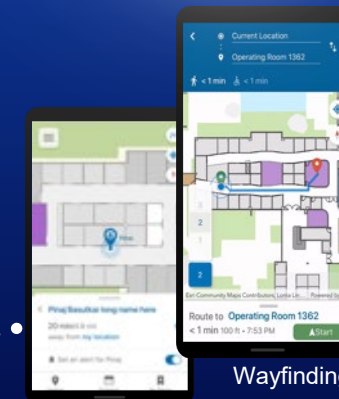
Data Management

Facility Operations

Space Management

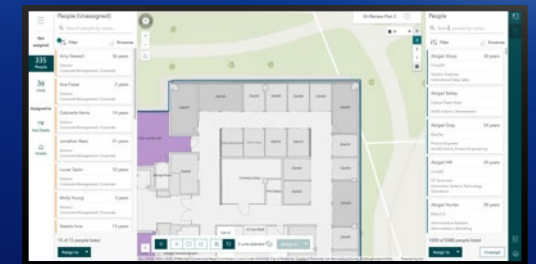
ArcGIS Online and On-Premises

Occupant Experience



Location Sharing

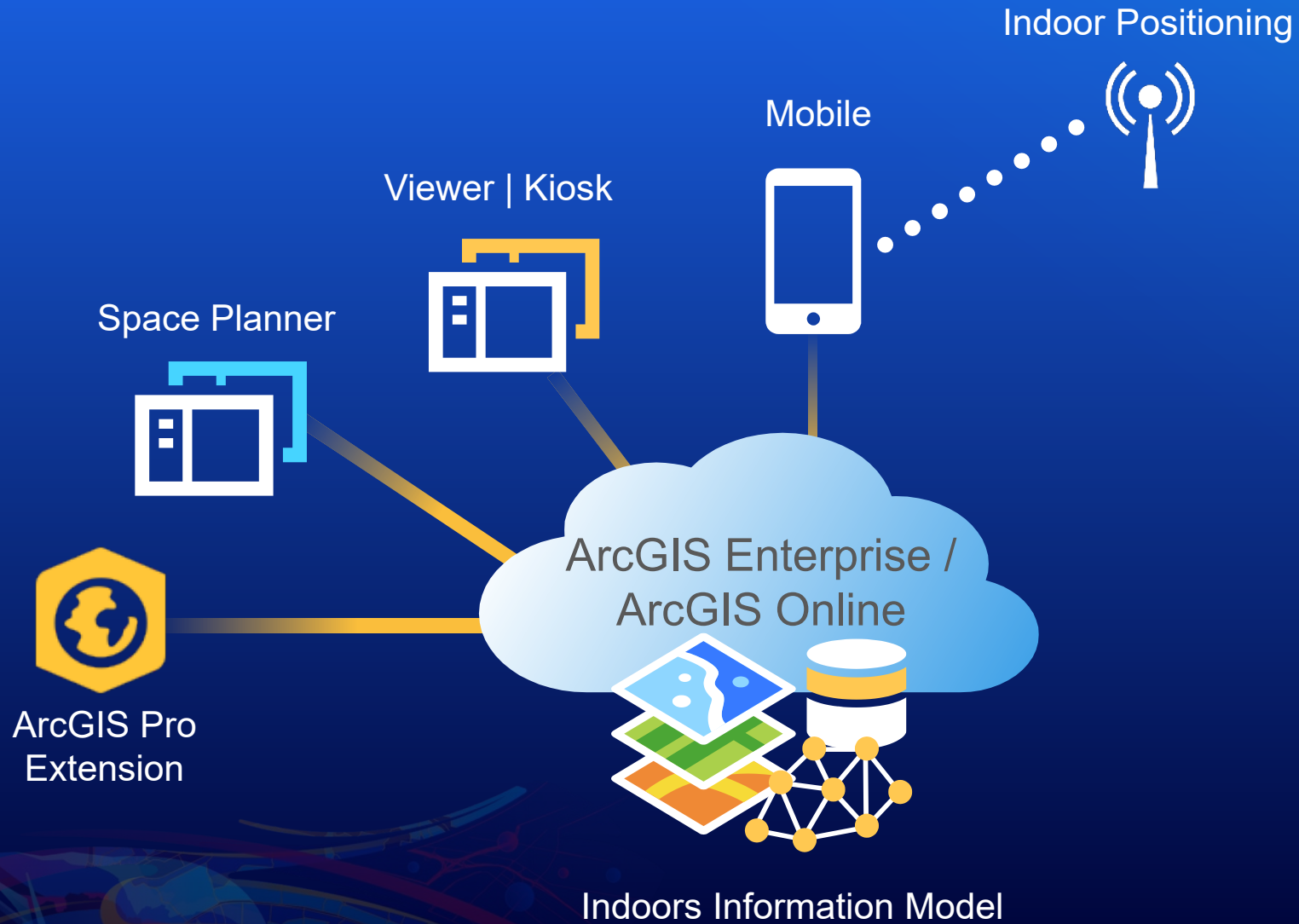
Wayfinding



Space Planning

Visualizing and Analyzing Building Interiors and Campuses

ArcGIS Indoors



Situation

Working from home



Visit the office



Situation

Working from home

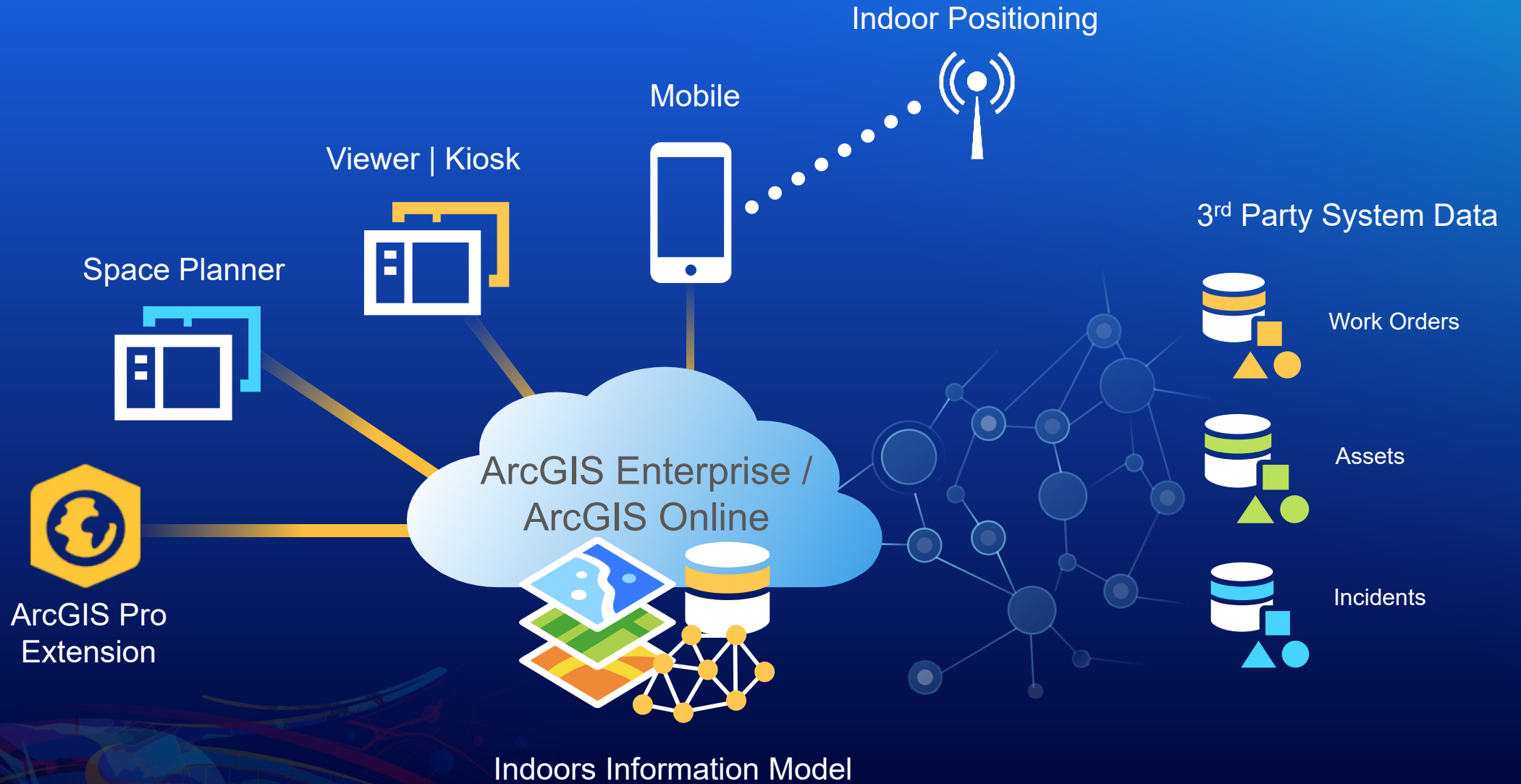


- **Approvals**
- **Operations workflows**
- **Social distancing**

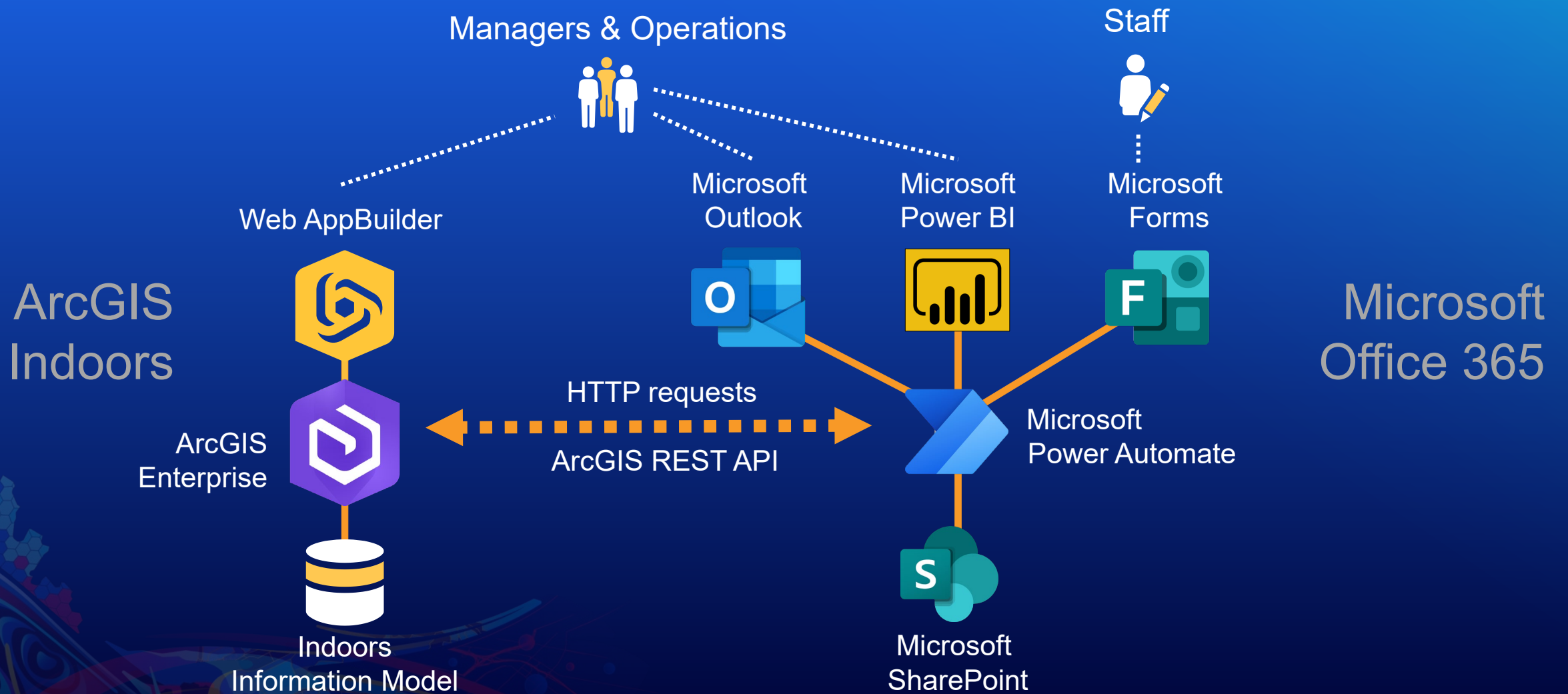
Visit the office



ArcGIS Indoors



Office Visits System



← Back Computer Mobile

Site Visit Approval Request Form

Request form for Esri staff to work either at Esri office location or client site. This form must be submitted by the employee who will be at the site. ...

Hi Nathan, when you submit this form, the owner will be able to see your name and email address.

* Required

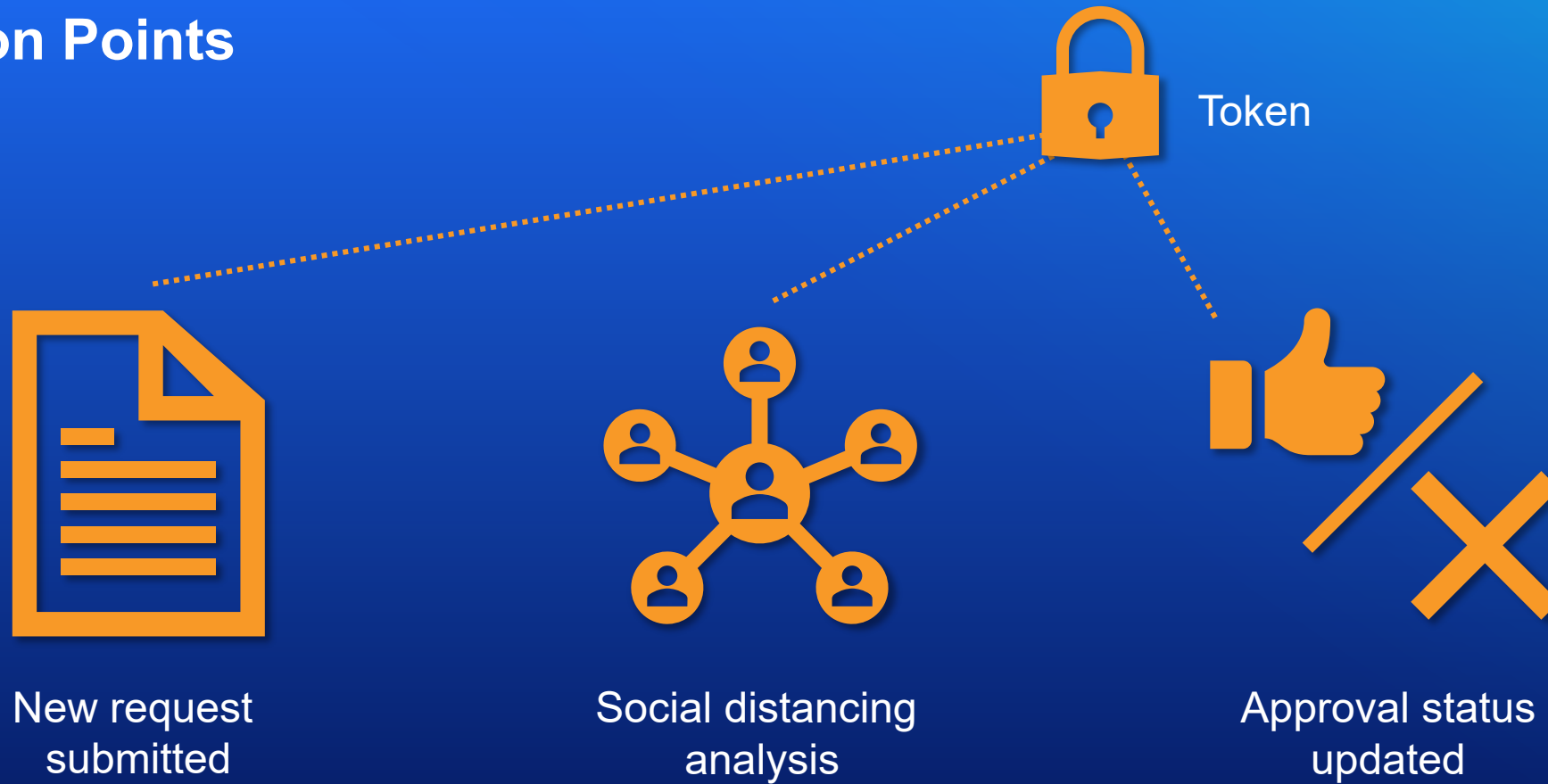
1. Please provide a justification for your site visit. *

Return to Office Experience

Office Visits System



Integration Points



Return to Office Integration

The screenshot displays a workflow editor with two steps:

- Initialize variable - password**: A purple step with a variable icon and a three-dot menu.
- HTTP - Token**: A green step with a globe icon and a three-dot menu. It contains the following configuration:
 - Method**: POST
 - URI**: `{x} portal url × /portal/sharing/rest/generateToken`
 - Headers**:

content-type	application/x-www-form-urlencoded
Enter key	Enter value
 - Queries**:

Enter key	Enter value
-----------	-------------
 - Body**:

```
username={x} username × &password={x} password ×  
&client=referer&referrer={x} portal url × &expiration=60&f=json
```
 - Cookie**: Enter HTTP cookie

At the bottom left, there is a link for [Show advanced options](#).

{x} Initialize variable - password ...

HTTP - Token ...

* Method: POST

* URI: {x} portal url x /portal/sharing/rest/generateToken

Headers:

content-type	application/x-www-form-urlencoded
Enter key	Enter value

Queries:

Enter key	Enter value
-----------	-------------

Body:

```
username={x} username x &password={x} password x  
&client=referer&referer={x} portal url x &expiration=60&f=json
```

Cookie: Enter HTTP cookie

Show advanced options

Return to Office Integration

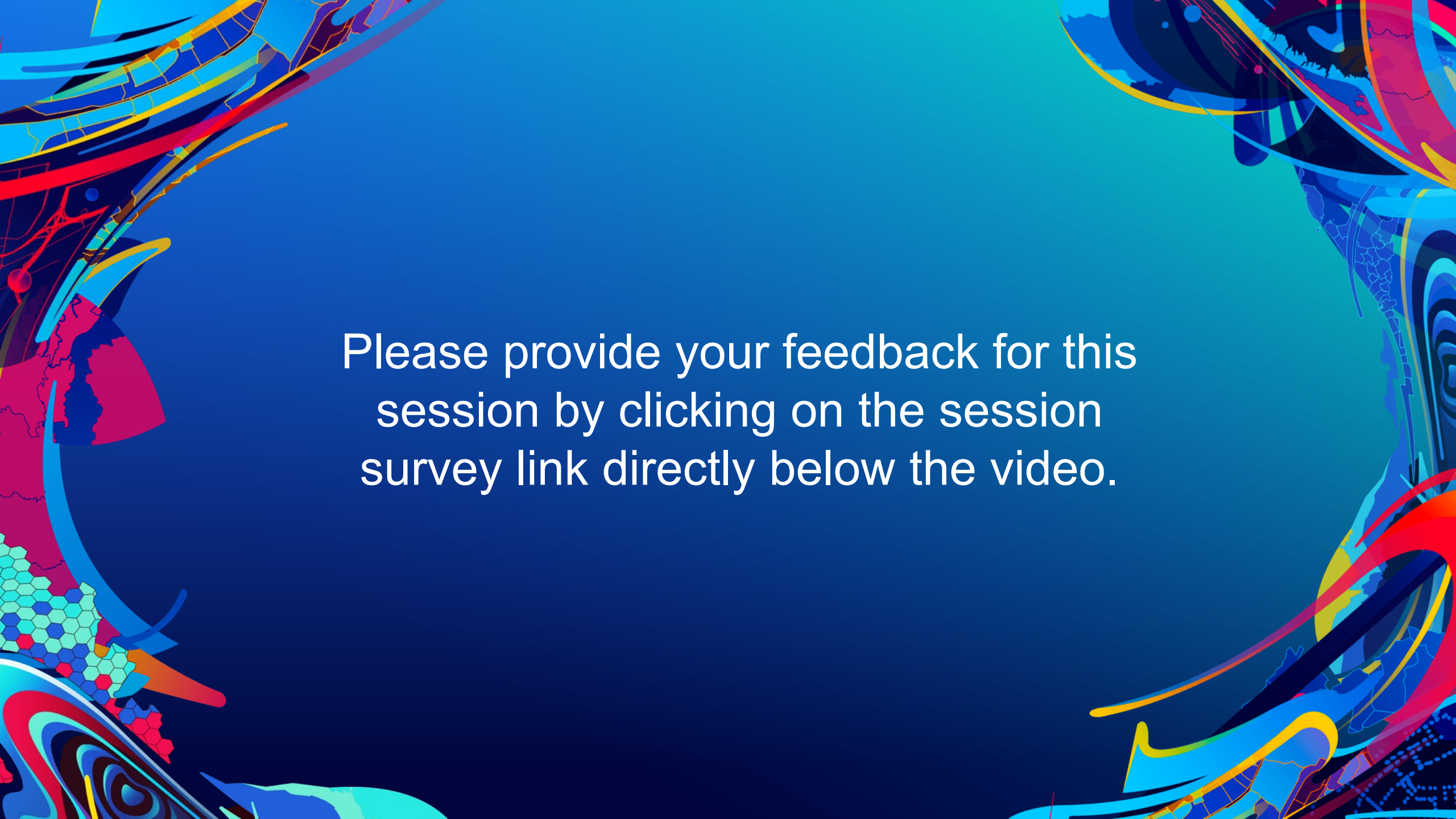
Resources

- **ArcGIS Indoors** <https://www.esri.com/en-us/arcgis/products/arcgis-indoors/overview>
- **ArcGIS Developers** <https://developers.arcgis.com/>
 - **Security and Authentication** <https://developers.arcgis.com/documentation/security-and-authentication/>
 - **ArcGIS REST API** <https://developers.arcgis.com/rest/>
- **ArcGIS Indoors + ServiceNow integration** <https://github.com/Esri/indoors-servicenow-feature-service>
- **Power Automate** <https://us.flow.microsoft.com/en-us/>



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WHERE®



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