

# ArcGIS Maps SDK for JavaScript: Using Arcade with your Apps

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# Session overview

- Introduction
  - What is Arcade?
  - Why do I need to use it?
- Learning the Arcade basics
- Using Arcade in the JavaScript SDK profiles
- Arcade executor APIs
  - Executing Arcade on your own terms
  - Creating custom profiles

# What is Arcade

Create flexible content from existing data

- **Expression language** for...
  - calculating and formatting data values,
  - enforcing rules,
  - generating content elements, and
  - Creating any of the above conditionally.
- Works across ArcGIS applications
  - ArcGIS Pro
  - ArcGIS Online
  - ArcGIS Dashboards
  - Developer SDKs
  - ... and more!



# When should I use Arcade?

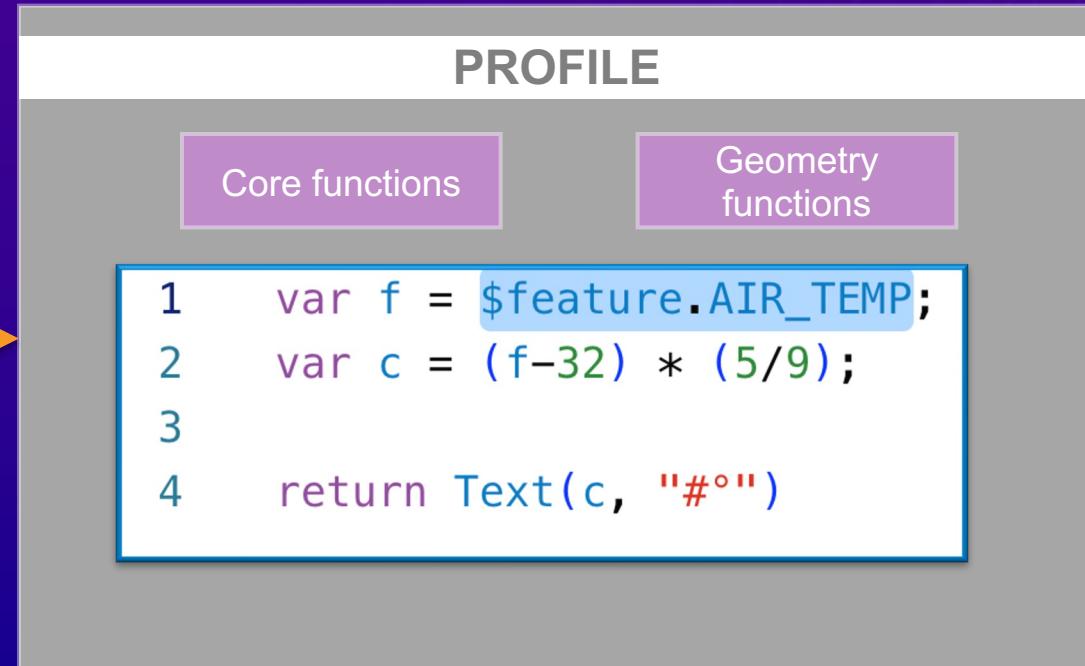
- Arcade is especially useful when...
  - You don't own the data
  - The data updates frequently
  - You want to view your dynamic content in other applications (ArcGIS Pro, Native Apps, etc)
  - You want to easily work with feature data to create custom content in your apps
    - Leverage simplified language syntax or convenient built in Arcade functions



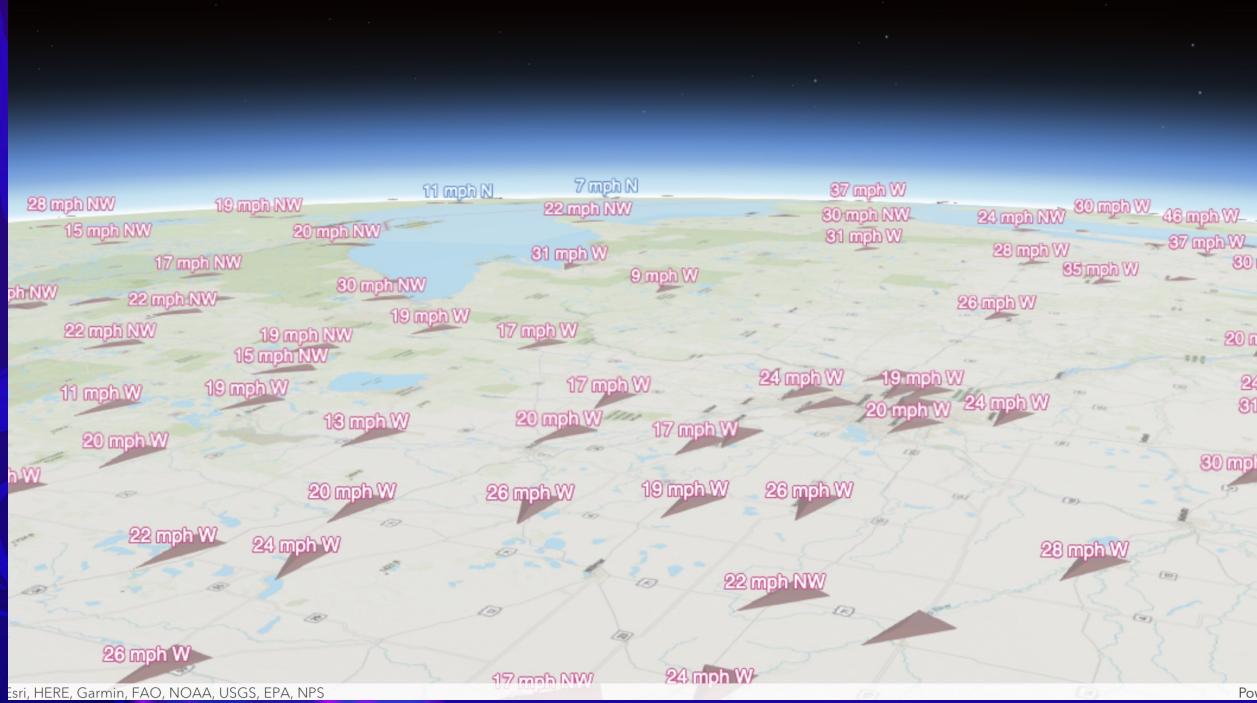
# Arcade Profiles: Self-contained environments for executing Arcade



Case study: Labeling



# Demos



# Resources

- Arcade documentation: <https://developers.arcgis.com/arcade>
- Using Arcade with the JavaScript SDK:  
<https://developers.arcgis.com/javascript/latest/guide/arcade/>
- Resources page with quick links to blogs, samples, trainings, and videos:  
<https://developers.arcgis.com/arcade/guide/resources>

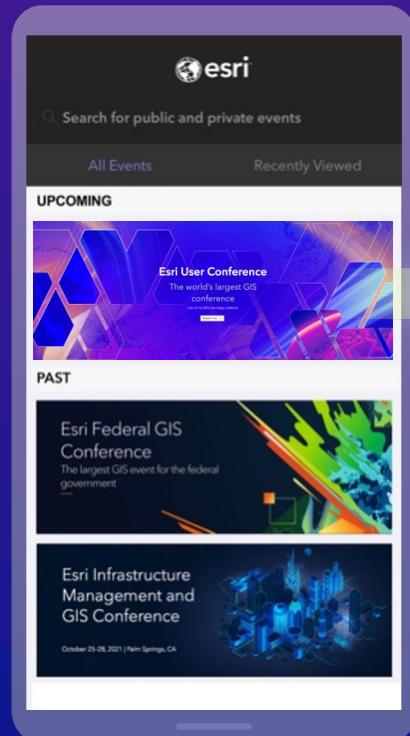
This screenshot shows the ArcGIS Developers website with the URL <https://developers.arcgis.com/arcade>. The page title is "ArcGIS Arcade". It features a sidebar with navigation links like "Introduction", "Language features", "Statements", "Functions", "Variables", etc. The main content area has sections for "Introduction", "Where to use Arcade", and "Why Arcade is useful". A "Find page..." search bar is at the top. A "Was this page helpful?" poll is present.

This screenshot shows the ArcGIS Developers website with the URL <https://developers.arcgis.com/javascript/latest/guide/arcade/>. The page title is "ArcGIS Maps SDK for JavaScript". It features a sidebar with navigation links like "Overview", "Key features", "Get started", "Recent posts", "FAQ", "Community", "Tutorials", "Core concepts", "Visualization", "Building your UI", "Working with ArcGIS Online and Enterprise", "Developer tooling", "Migrating from 3.x", "Reference", and "Arcade". The main content area has sections for "Arcade", "What is Arcade?", and "How to write Arcade expressions". A "Find page..." search bar is at the top. A "Was this page helpful?" poll is present.

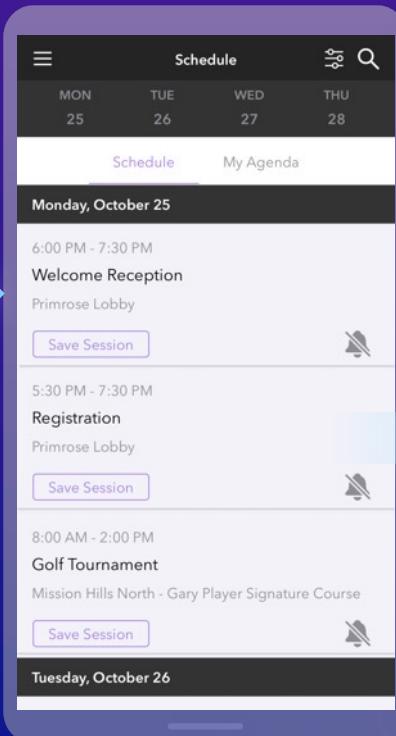
This screenshot shows the ArcGIS Developers website with the URL <https://developers.arcgis.com/arcade/guide/resources>. The page title is "ArcGIS Arcade". It features a sidebar with navigation links like "Home", "Profiles", "Function Reference", and "Playground". The main content area has sections for "Resources", "Examples", "ArcGIS Online", "ArcGIS Maps SDK for JavaScript", "Arcade Templates", "Blogs", and "Get started". A "Find page..." search bar is at the top. A "Was this page helpful?" poll is present.

# Please Share Your Feedback in the App

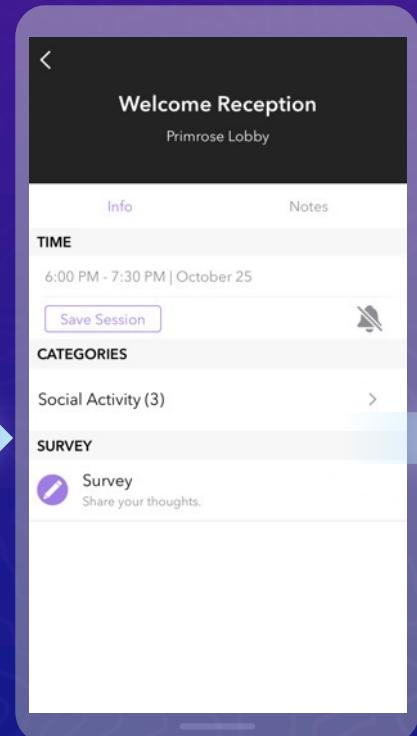
Download the Esri Events app and find your event



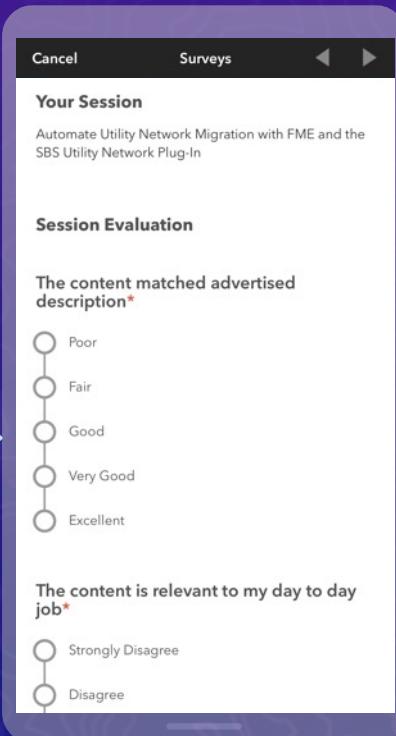
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