



How We Built It: IoT Viewers


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2021 ESRI
DEVELOPER SUMMIT

Agenda

- Bootstrapping a new app using the `@arcgis/cli`
 - Scaffolding an application with the Esri Design System
 - Integrating ArcGIS API for JavaScript widgets into a React app
 - Building a custom history lines visualization
 - Designing modular components for handling a variety of symbol types
 - Building React wrappers for integrating Web Components
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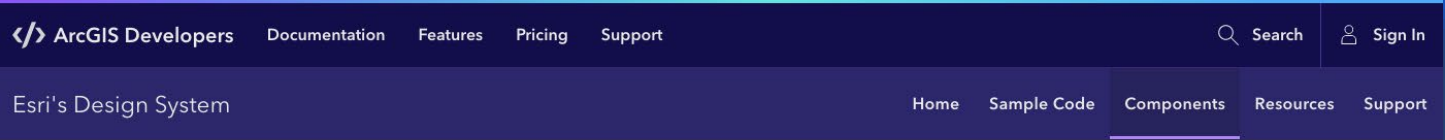
Tech Stack

- React
 - TypeScript
 - ArcGIS API for JavaScript
 - @arcgis/cli
 - @esri/arcgis-rest-auth, @esri/arcgis-rest-portal
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Esri's design system

- Create beautiful, consistent apps faster
- Seamlessly integrate into ArcGIS ecosystem
- Design guidelines, UI components, icons

Developer site integration



Accordion

Alert

Avatar

Button

Card

Checkbox

Chip

Color picker

Combobox

Date picker

Dropdown

Icon

Inline Editable

Input

Label

Link

Loader

Modal

Notice

Pagination

Popover

Progress

Radio Button

Radio Button Group

Radio Group

Rating

Components

Accordions

Alerts

Avatar

Buttons

Card

Checkbox

Chip

Color picker

Combobox

Date picker

Dropdown

Form

Accordion Item

Accordion Item 2

Accordion Item 3

Accordion Item 4

Accordion Item 5

Child 1

Child 2

Child 3

Something failed

There was an error while performing the task.

Retry

Something worked

That thing you wanted to do worked as expected

Radio Group

React

Ember

Angular

Vue

Selectable card

Lead fut

Trail fut

Primary

Outline

Red

Initially indeterminate and unchecked

Grey

Red

Yellow

Green

Blue

Grey

Red

Yellow

Green

Red

1

2

3

4

5

...

12

Red switch scale medium

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November 2020

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Su	Mo	Tu	We	Th	Fr	Sa
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	1	2	3	4	5

Tab 1 Title

Tab 2 Title

Tab 3 Title

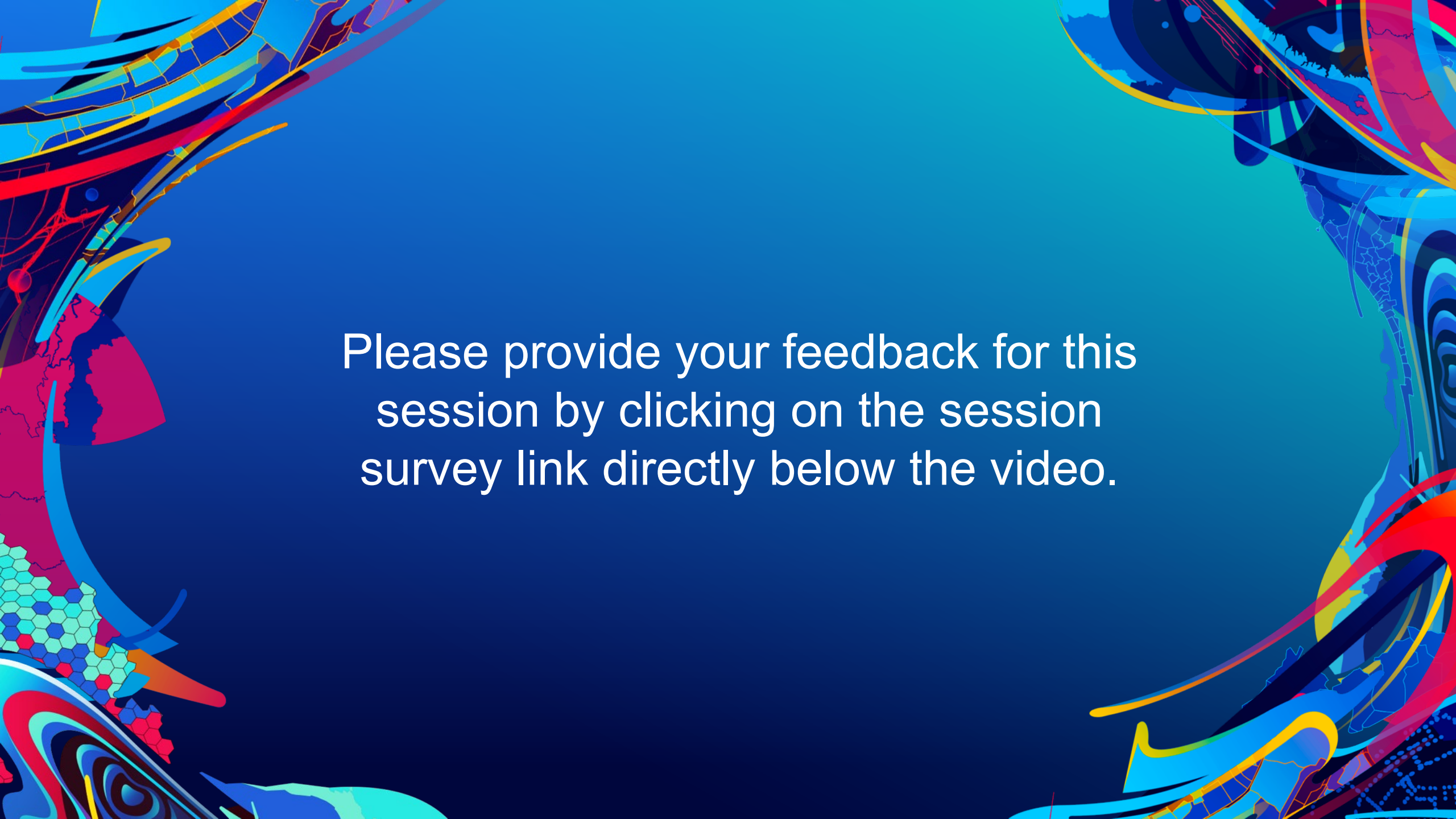
Tab 4 Title

Responsive, accessible, web components



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The background is a vibrant, abstract composition. It features a central area of solid blue and teal. The left and right sides are framed by complex, colorful patterns. On the left, there are swirling shapes in red, yellow, and blue, along with a section of a hexagonal grid in shades of green and blue. On the right, there are more swirling patterns in blue, red, and yellow, with some areas resembling a stylized face or mask. The overall effect is dynamic and modern.

Please provide your feedback for this session by clicking on the session survey link directly below the video.