ArcGIS Online: Best Practices for Managing Hosted Feature Layers

Ryan Sellman

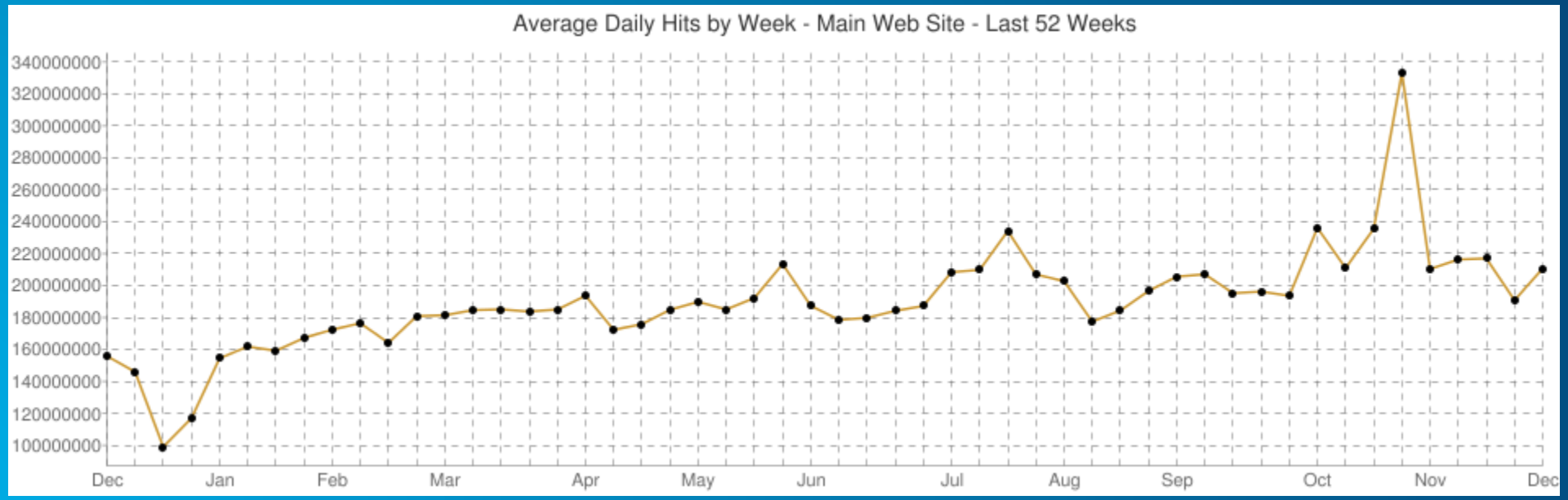
2020 Esri Midwest User Conference

Agenda

1. Creating Hosted Feature Layer Views
   - Creating Views
   - Views off Join Features Tool
2. Managing Data
   - Feature Layer Schema Control (fields, lists, etc.)
   - Append Data
   - Publish Photos with Location Information
   - Feature Layer Templates
3. Optimizing Hosted Feature Layers

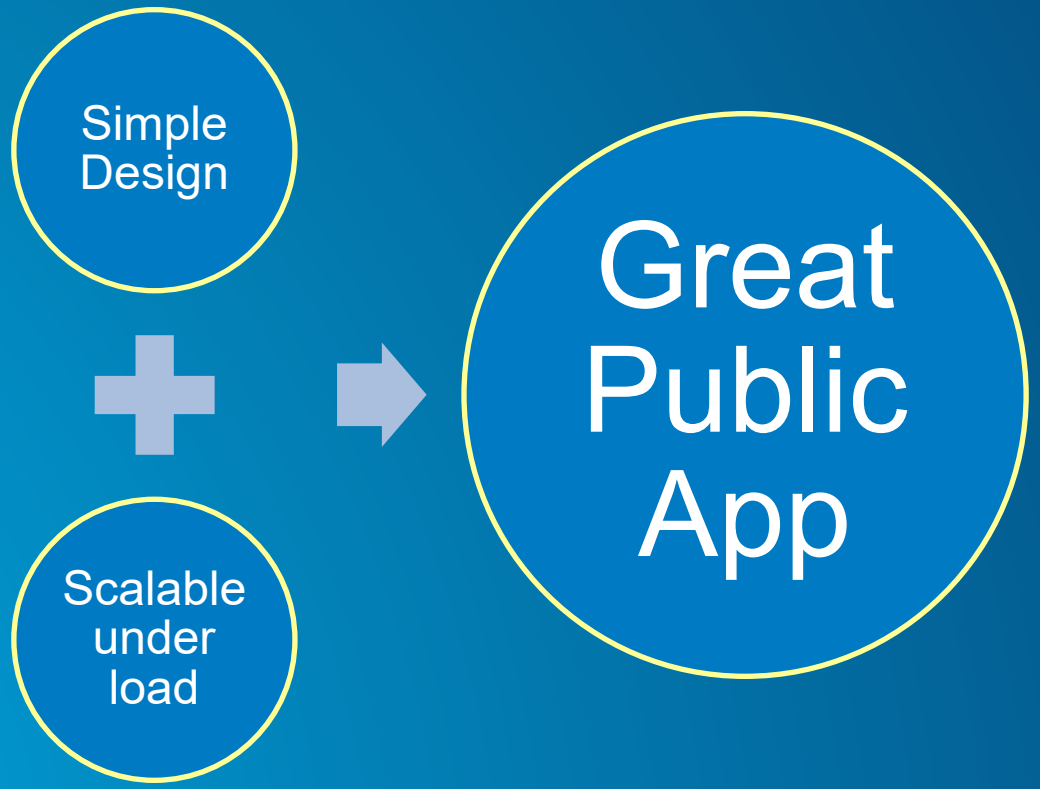
ArcGIS Online | Scalability

- **ArcGIS Online hosts 5,098,105 Feature Services**
- **Hosted Feature Layers received more than 1 billion views on October 28, 2019**
- **Hosted Feature Layers receive about ~2-6K req/s on weekdays, during the PSPS event, they received up to 20,000 req/s**



ArcGIS Online | Considerations for Public Apps

- Design a simple interaction for public users
- Ensure app is built and configured to scale for high traffic



Audience | Intended & Unintended

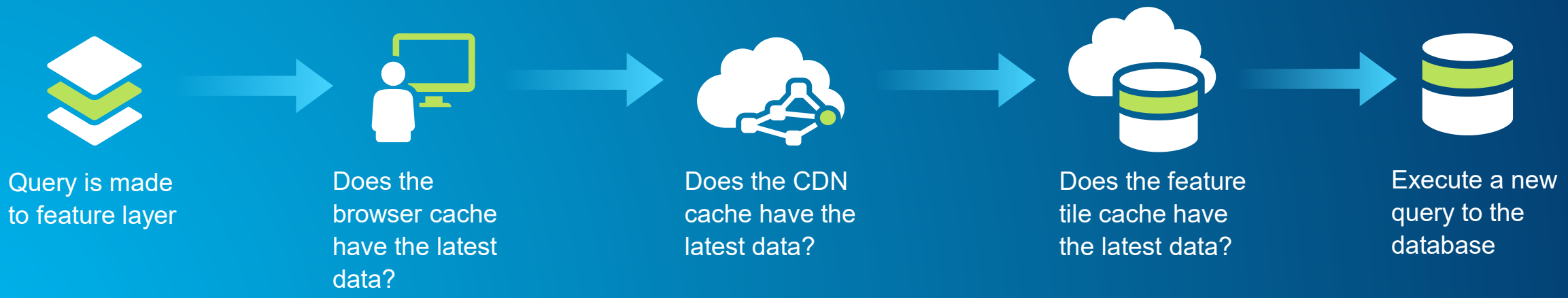
Hosted Feature Layers | Optimize for Viral Sharing

- Disable Editing
- Disable Sync
- Set Cache Control*
- Use scalable interactions in Apps

*New default of 30s

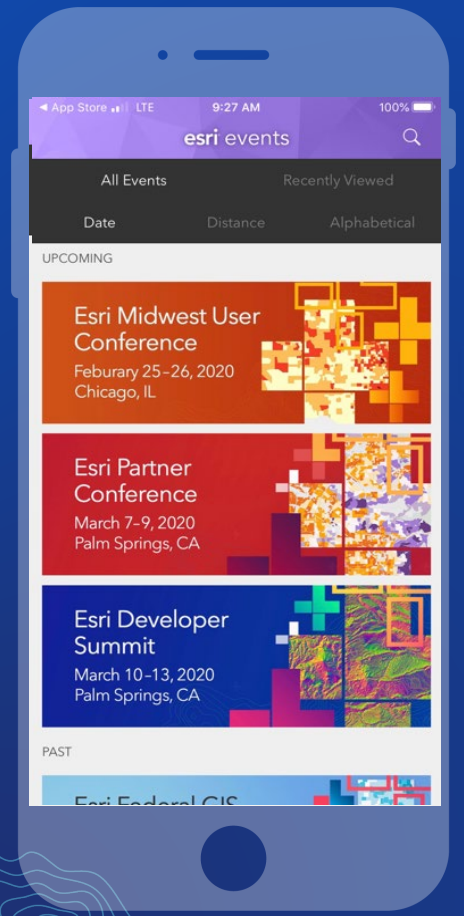
ArcGIS Online | Scalability

- ArcGIS Online Scales to meet demand of audience
- Queries to large datasets are sent as tiled requests whose responses can be cached
- Response caching levels:
  - Browser cache (client-side)
  - Content Delivery Network cache
  - Feature tile cache (server-side)

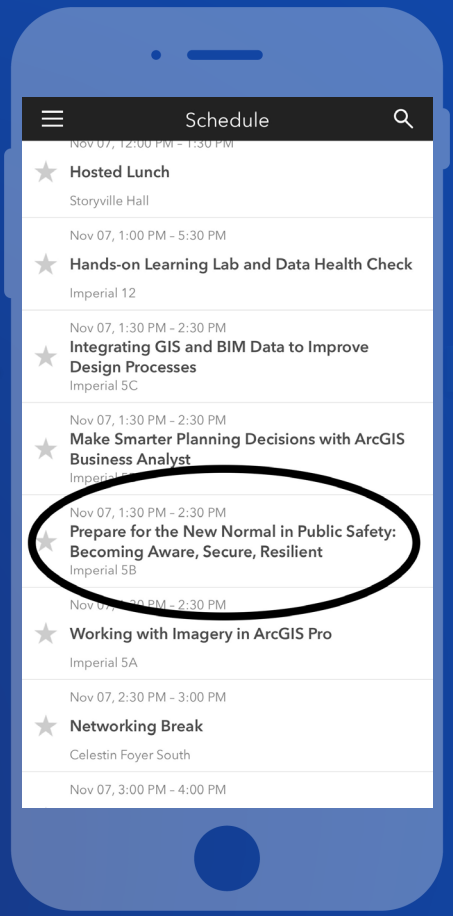


Encourage Survey Feedback on the App

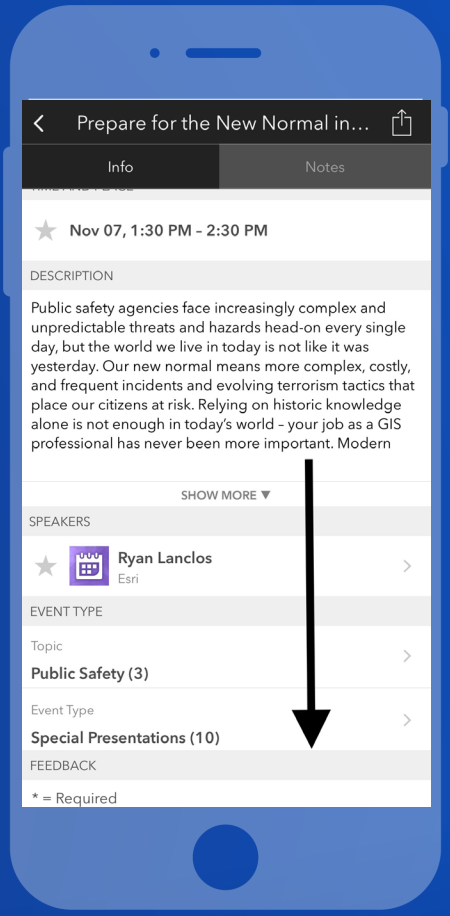
Download the Esri Events app and find your event



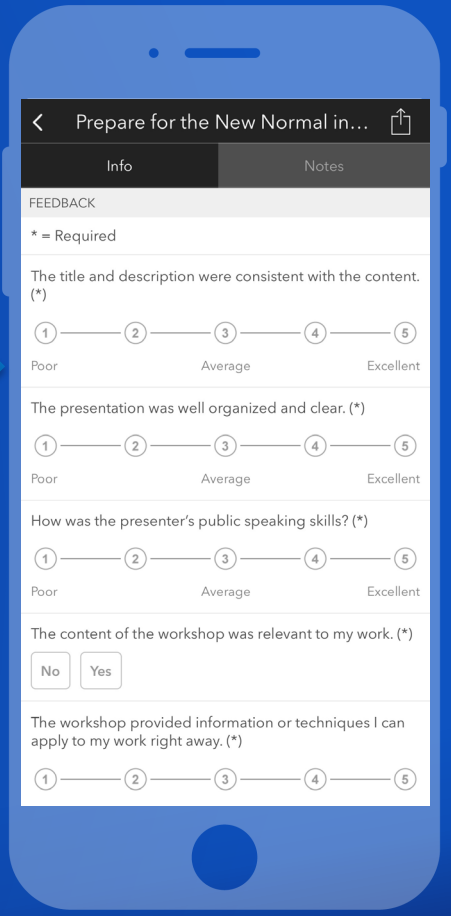
Select the session you attended



Scroll down below the description to find the feedback section



Complete answers and select "Submit"



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Avenir Next

If you are the sole presenter and **will not distribute your PowerPoint presentation to others outside of Esri** and will only be using your own Esri computer for presenting, please use the new font Avenir Next LT Pro.

See instructions on the following slide to see how to use this new font.

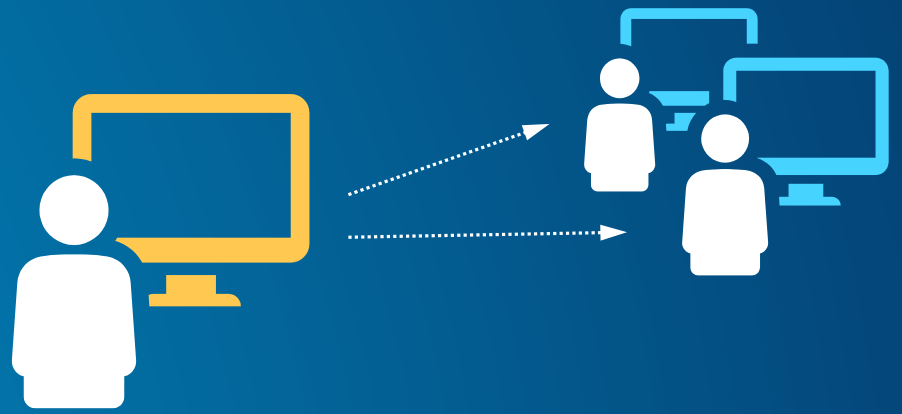
Use Avenir Next if …

Sole Presenter
Single computer used for presentation

Arial

If you will be distributing your PowerPoint presentation to **others outside of Esri**, or using various computers to present please use Arial.

Using Arial gives your PowerPoint presentation the flexibility to be used by many people on various machines without the risk of font compatibility and changing the look of your layout.



Use Arial if…

Multiple Users / Presentation Distributed to others
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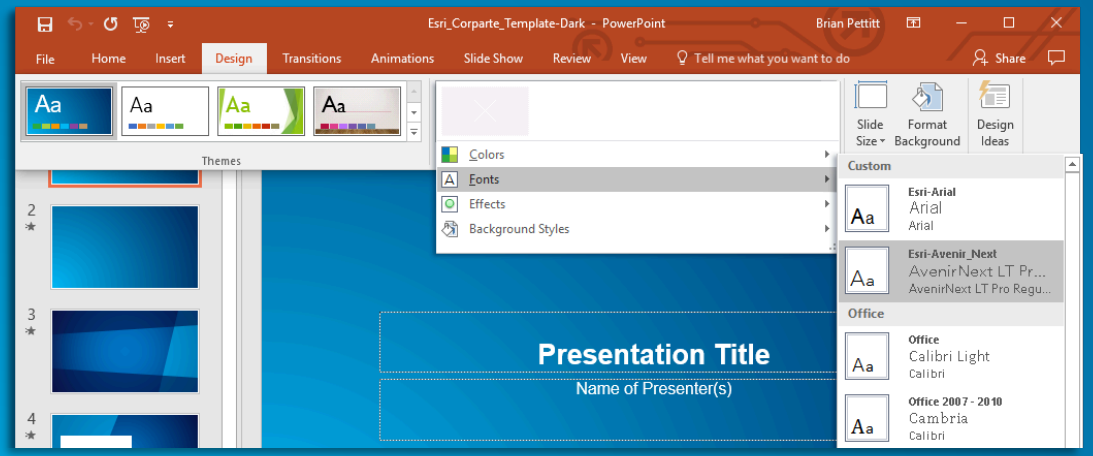
How to Change Your Theme Fonts to Avenir Next

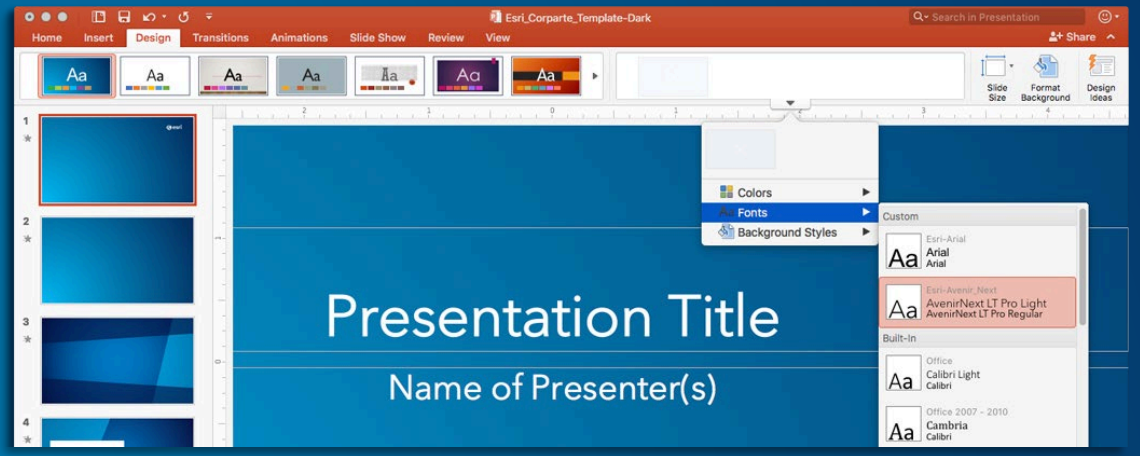
Windows

Select: Design
Variants (arrow)
Fonts > Esri-Avenir Next

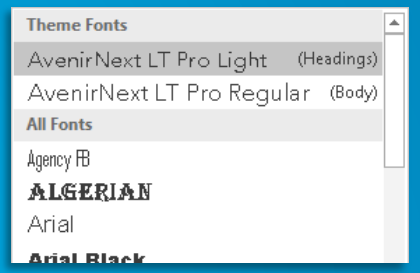


Mac

Select: Design
Variants (arrow)
Fonts > Esri-Avenir Next



What if my fonts don't change?



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How to Test if you're using Avenir Next

**If you have Avenir Next installed,
the two Qs will match.**

Q

Picture

Q

Live Text

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For More Templates, Sample Files, and Icons See
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Videos not working?
For video in PowerPoint, animated GIF is recommended. AVI and WMV (native PC files) will work best on a PC platform. H.264 MP4 will work only on PowerPoint 2013 and later.

Aspect Ratio Test

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Try the resolution 1920x1080 for 16:9 displays.