

Syncing Over the Web with Versioned Data

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Feature Service Sync

- **Sync is a feature service capability**
 - Added at 10.2.1
- **Allows you to...**
 - Get a local copy of the feature service data
 - Make edits locally even while offline
 - Sync when online
- **Used by Collector for ArcGIS, Runtime SDK, ...**

Data Requirements and Sync

- Data can be either
 - Non-versioned with Archiving + GlobalIDs
 - or
 - **Versioned + GlobalIDs**
- Use versioned data when
 - The data model requires versioning (e.g. geometric networks editing)
 - Versioned workflows are required (e.g. long transactions)

Versioned Data and Sync Workflows

- **Read-Only Services**

- Keep reference data up to date on your device

Operations allowed:

☐ Create ☐ Delete ☒ Query ☒ Sync ☐ Update

- **Read-Write Services**

- Allows you to sync edits made in the field
- Added versioned data support for read-write services at 10.3
- Versioned created for each...
 - Downloaded map (Default)
 - User

Operations allowed:

☒ Create ☒ Delete ☒ Query ☒ Sync ☒ Update

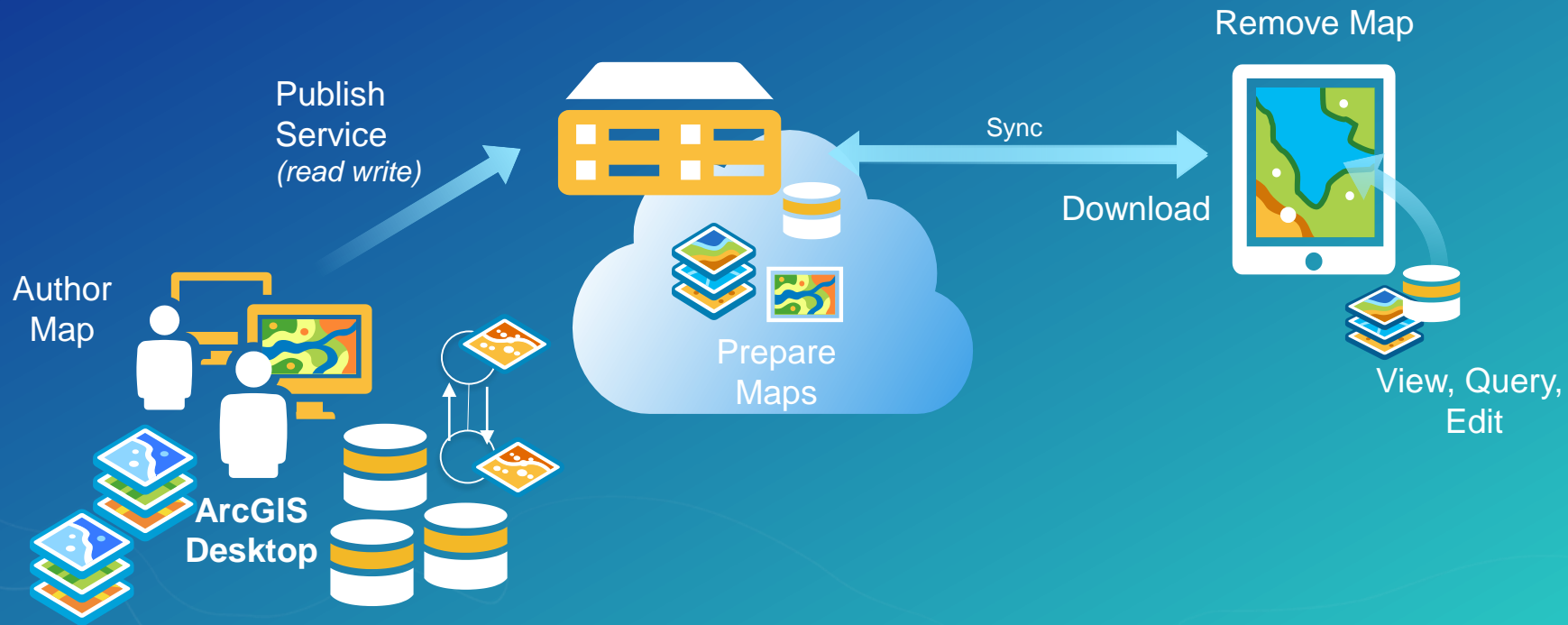
Versioned created for each downloaded map



Versioned created for each user



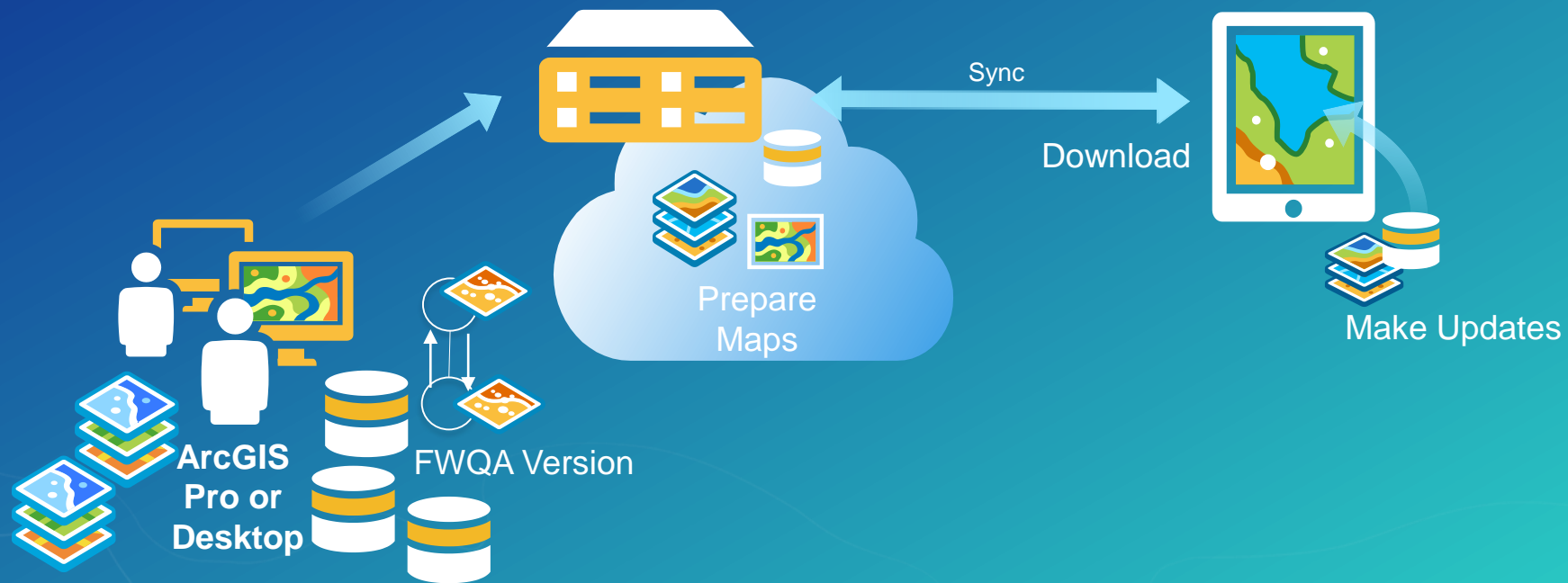
Workflow 1 – Data Maintenance





**Download
maps for data
maintenance**

Workflow 2 – Valve Inspection Project

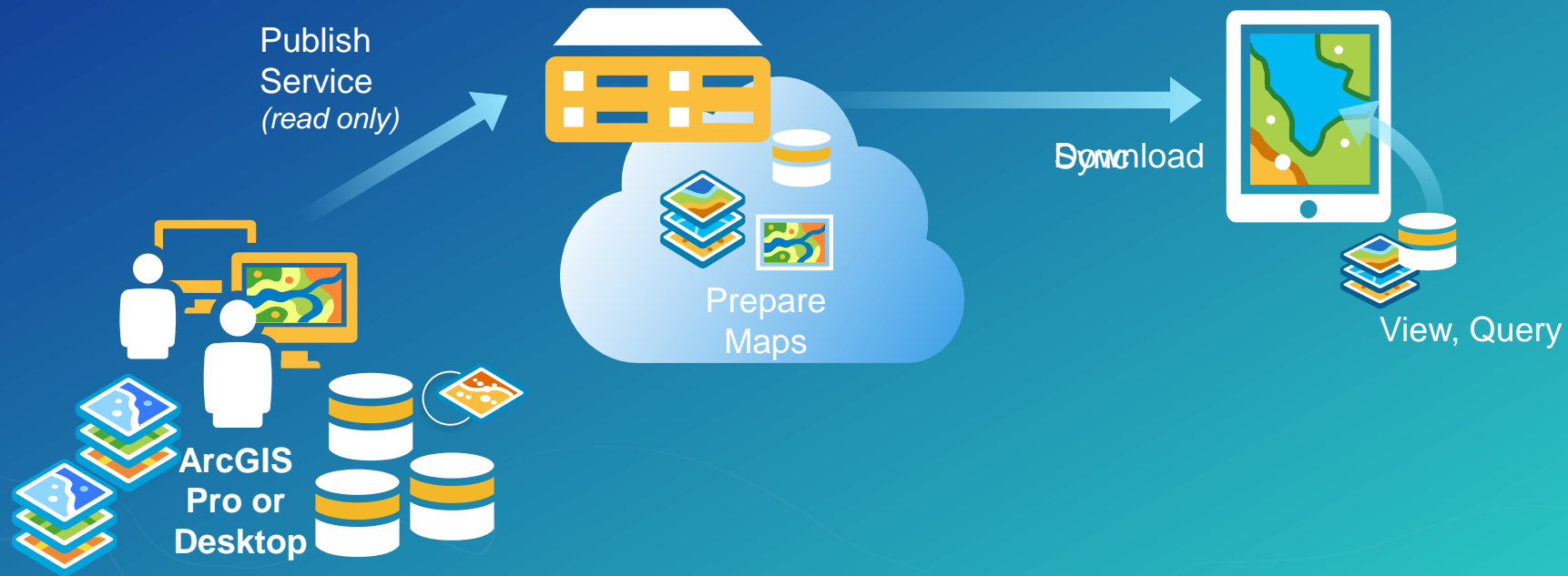




**Download maps
for a valve
inspection
project**

Workflow 3 – Download read-only maps

- Syncs from the published version (e.g. default)



Help Reference

- **Offline maps and versioned data**

- Long URL:
 - <https://server.arcgis.com/en/server/latest/publish-services/windows/offline-maps-and-versioned-data.htm>
- Short URL:
 - <http://esriurl.com/VersionedFS>

- **Demo reconcile/post script**

- Long URL:
 - <http://desktop.arcgis.com/en/desktop/latest/manage-data/geodatabases/automate-reconcile-post-after-sync.htm>
- Short URL:
 - <http://esriurl.com/VersionedFSRecPost>

Please Take Our Survey on the Esri Events App!

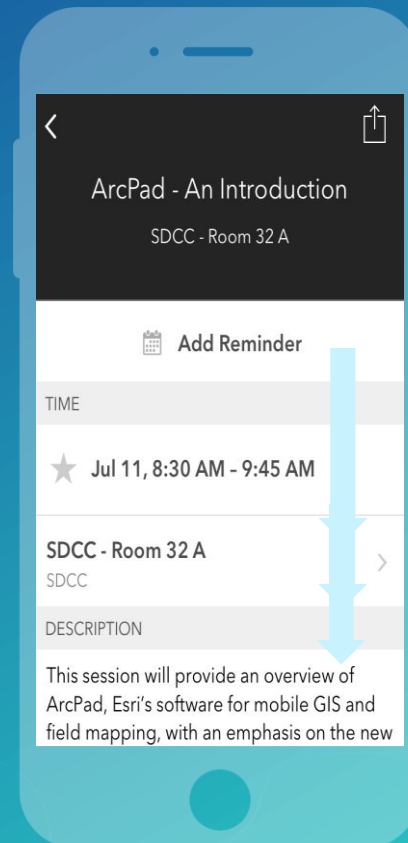
Download the Esri Events app and find your event



Select the session you attended



Scroll down to find the survey



Complete Answers and Select "Submit"





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