

Feature Service Syncing with Named Branch Versions

Gary MacDougall



Overview

- Discuss syncing with named branch versions
- Demo
 - Data preparation and publishing
 - Deploying and syncing with offline mobile editors
 - Scripts for managing replica versions
 - Help Resources

Feature Service Syncing with Named Branch Versions

- New in ArcGIS Enterprise 10.8.1 / ArcGIS Pro 2.6
- Builds upon sync with branch versioned data on default (ArcGIS Enterprise 10.7)
- Similar to syncing named versions with traditional versioning
 - Has some key differences
- Supports the same clients as other sync workflows

Branch Version Creation Options with Sync

- Version Creation = None
 - Uses the default version (default)
 - Same behavior as in earlier releases
- Version Creation = Version per downloaded map
 - Creates a version each time data is taken offline
 - New in ArcGIS Enterprise 10.8.1

Branch Versioned Sync

Version creation:

Create a version for each downloaded Map

None

Branch Versioned Sync

Version creation:

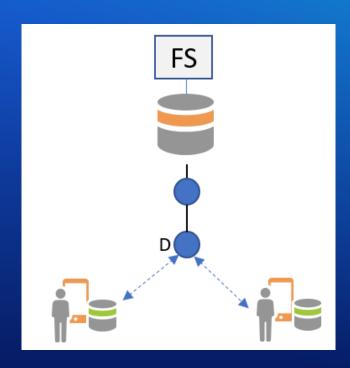
Create a version for each downloaded Map

None

NOTE: Separate from traditional versioning options

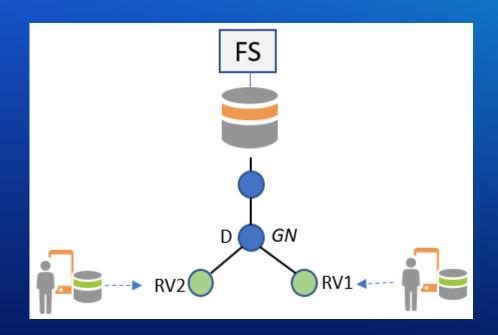
Version Creation = None

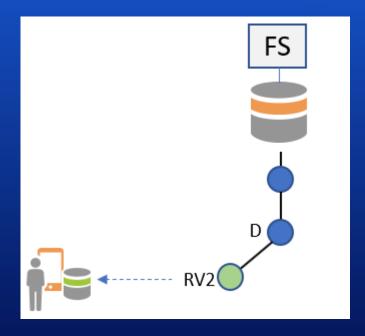
- Syncs directly with the default branch version
- When to use
 - Mobile editing workflows
 - Requires default to be public / editable by mobile editors
 - Exception: Users with the manageVersions (new in 10.8.1) can sync protected default
 - Syncing with read-only clients
 - Syncs edits one way from default

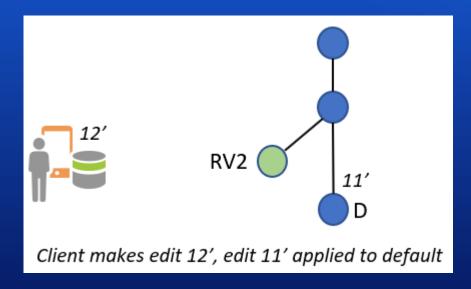


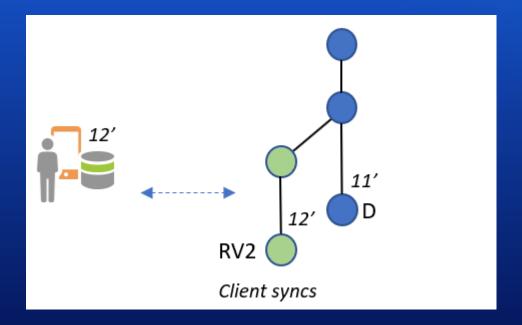
Version Creation = Version per downloaded map

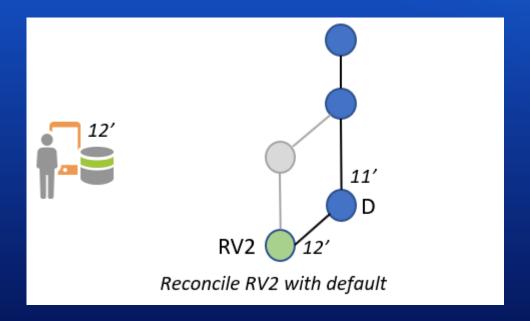
- Use for mobile editing workflows
 - A branch version is created as each mobile editor takes data offline
 - Default can be protected
 - Sync
 - Edits uploaded to branch version
 - Edits downloaded form default
 - Edits uploaded to branch version can be reviewed before posting to default
- Requires replica tracking (new in ArcGIS Pro 2.6 / ArcGIS Enterprise 10.8.1)

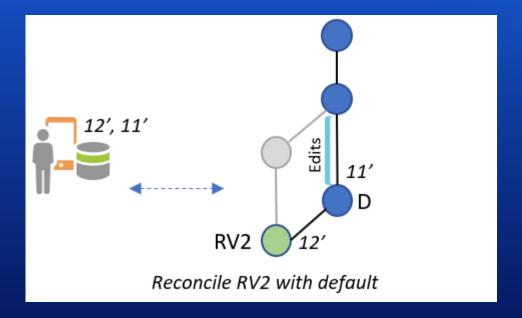


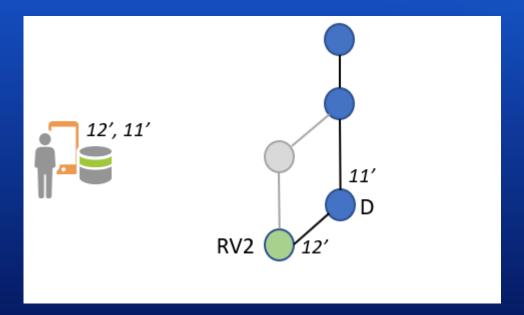


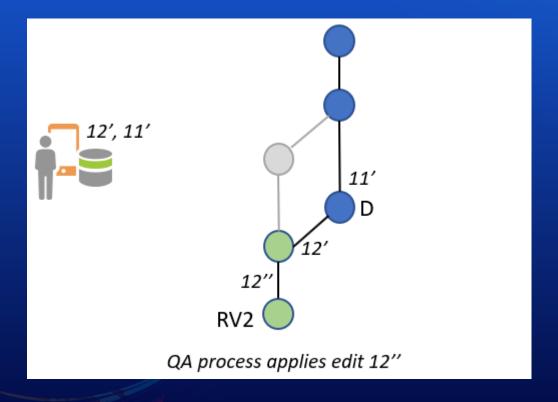


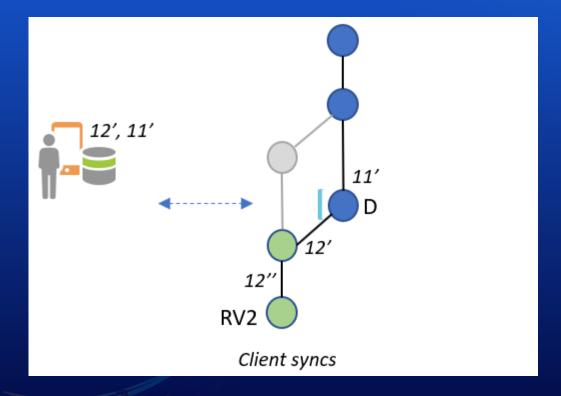


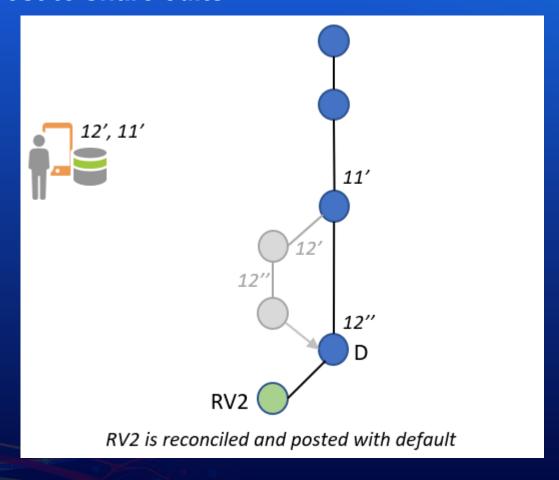


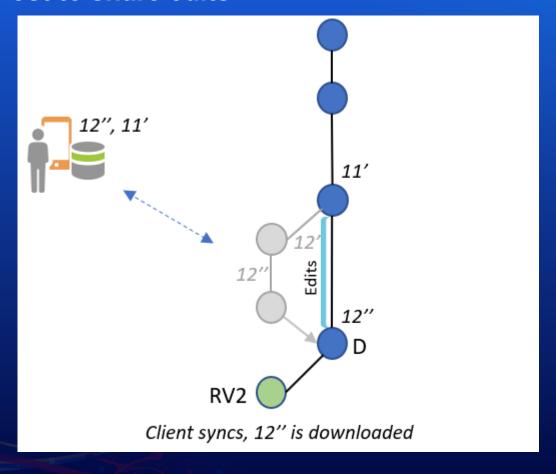














Version Per Downloaded Map Demo

Automate reconcile and post operations for sync-enabled branch versioned data

Portal administrators and version administrators can use Python scripting to automate a scheduled reconciliation of replica versions after field workers have synchronized edits to data included in branch versioning.

This workflow is applicable for managing replica versions that were created using a syncenabled feature service with branch versioned data.

Learn more about working with offline maps with branch versioned data

Automate Reconcile and Post Operations Demo

Help Resources

- Feature Service help
 - https://enterprise.arcgis.com/en/server/latest/publish-services/windows/what-is-a-feature-service-.htm



Highlighted topics were added / updated with 10.8.1

