

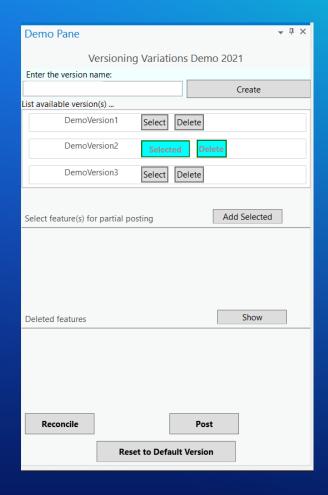
Versioning Variations: An In-depth Look at Using ArcGIS Pro SDK with Geodatabase Versioning

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Agenda

- Creating versions
- Changing versions
- Posting and Reconciling versions
- Partial posting workflow (available with ArcGIS Enterprise 10.9)
- Deleting versions



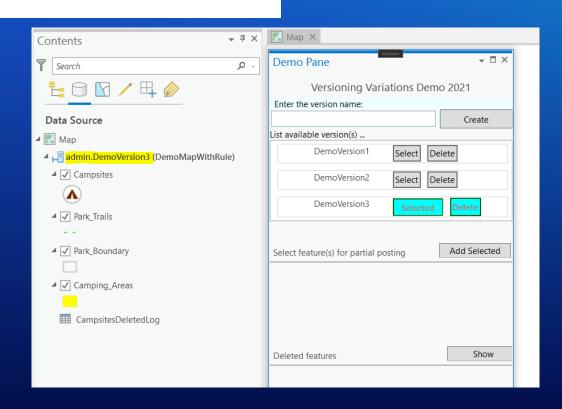


Creating versions

- Data preparation for versioning
- Creating a version

Switching between versions

MapView.Active.Map.ChangeVersion(fromVersion, toVersion);



Posting and Reconciling Version.Reconcile

Posting and Reconciling

Create a ReconcileDescription object for reconcile and post

```
// Create a Post ReconcileDescription
ReconcileDescription reconcileDescription = new ReconcileDescription(parentVersion)
{
    ConflictResolutionMethod = ConflictResolutionMethod.Continue, // continue if conflicts are found
    ConflictDetectionType = ConflictDetectionType.ByRow,
    ConflictResolutionType = ConflictResolutionType.FavorEditVersion,
    WithPost = true
};
```

Create a ReconcileDescription object for reconcile

```
//ReconcileDescription and without post
ReconcileDescription reconcileDescription = new ReconcileDescription(parentVersion)
{
   ConflictResolutionMethod = ConflictResolutionMethod.Continue, // continue if conflicts are found
   WithPost = false
};
```

Partial Posting

- Advanced workflow of Posting
- Features selection
- ArcGIS Enterprise 10.9
- Not Supported
 - Utility Networks
 - Parcel Fabrics
 - Topology

```
// Create a Post ReconcileDescription
ReconcileDescription reconcileDescription = new ReconcileDescription(parentVersion)
{
   ConflictResolutionMethod = ConflictResolutionMethod.Continue, // continue if conflicts are found
   ConflictDetectionType = ConflictDetectionType.ByRow,
   ConflictResolutionType = ConflictResolutionType.FavorEditVersion,
   WithPost = true
};
```

reconcileDescription.PartialPostSelections = selectionsForPartialPosting;

Deleting versions Version.Delete

Deleting versions

- Cannot delete the default version
- Cannot delete a version that is currently in use

```
using (Version toDeleteVersion = versionManager?.GetVersions().FirstOrDefault(predicate:version => version.GetName()
{
   if (currentVersion != toDeleteVersion)
   {
      toDeleteVersion?.Delete();
      deleteStatus = true;
   }
}
```



