Versioning
Version Management in ArcGIS

Allegan County GIS
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Contents

0.1 Managing Geodatabase Versions

0.1.1 Version Queries

SQL Queries

   Four queries of SDEversions, SDEstates, sdestatelineages, and SDEcompress-log

```
use AC_Pub
select name, owner, version_id, state_id, parent_name
, parent_owner from
 [AC_Pub].[dbo].[SDE_versions]
select * from [AC_Pub].[dbo].[SDE_states] order by state_id
select * from [AC_Pub].[dbo].[sde_state_lineages] order
 by lineage_name,
 lineage_id
select TOP(5) * from [AC_Pub].[dbo].[SDE_compress_log] order by
 compress_end DESC
```

Query of SDEversions and SDEstates

```
 use AC_Pub
SELECT v.version_id,v.creation_time,v.creation_time,
 s.state_id, s.creation_time
FROM SDE_versions v
INNER JOIN SDE_states s ON v.state_id = s.state_id
```

0.1.2 Finding Orphaned Versions

ID and delete orphaned geodatabase versions

Follow the procedure: Link to source

Use SQL Server Management Studio to execute two queries and compare the results.

Step 1:

Execute the query:

```
use AC_Pub
SELECT ObjectID, name from dbo.GDB_ITEMS where
 TYPE='4ED4A58E-621F-4043-95ED-850FBA45FCBC';
```

Step 2:

Execute the query:

```
use AC_Pub
SELECT name from [dbo].[SDE_versions]
order by name
```

Compare the tables

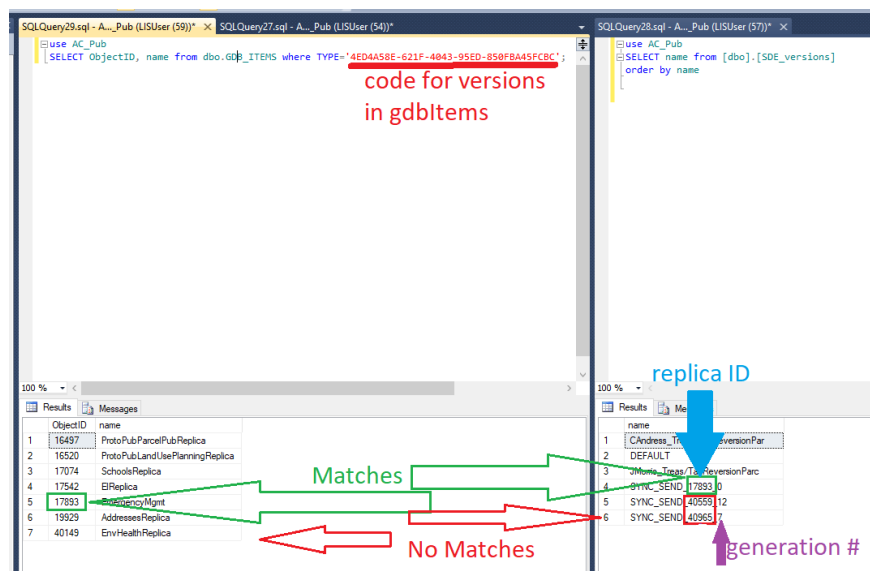This graphic summarizes elements of the queries.

Figure 1: Find Orphan Versions

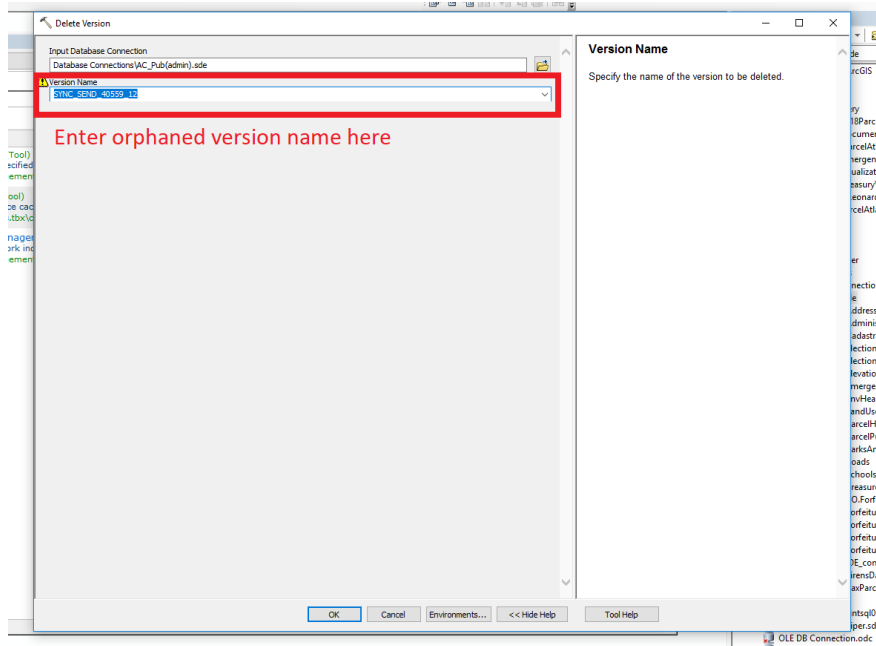Note the items from step two that have no match in step one.

Orphaned versions can be removed by name in ArcGIS

Figure 2: Delete Orphan Versions