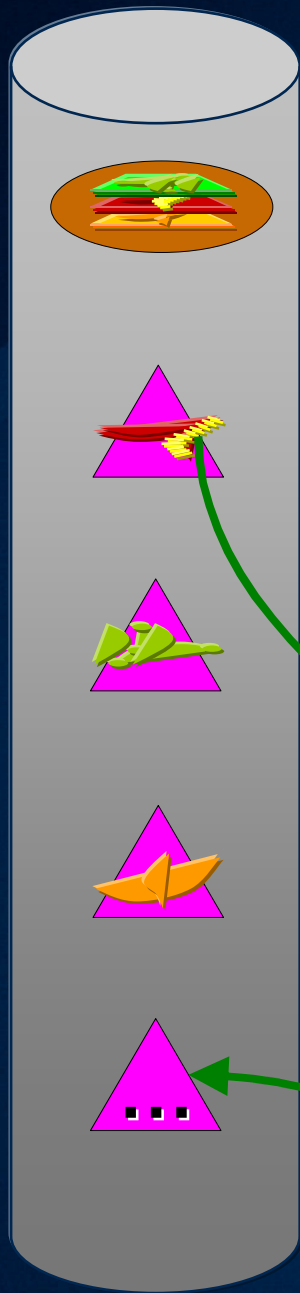


Archiving with the Geodatabase @ 9.2

Danny Krouk
ESRI

What It Is



T1

T2

T3

T4

TN

- Stores prior state of edited data.
- Allows for “historical query”.

Some Uses

- Record/Store prior-state of data.
- Query state of the database at a moment in time.
- See changes over a period of time.

New Historical Marker [?] [X]

Enter the name of the historical marker:

 [OK] [Cancel]

Specify the timestamp of the historical marker:

 [?] [X]

Creating a new historical marker

What It Is **Not**

- A “valid time” archiving system.

“Valid Time”



Workflow / Backlog



“Transaction Time”



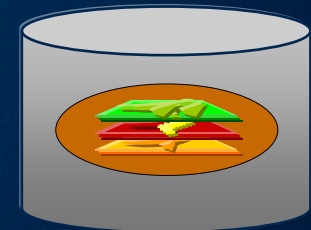
What It Is **Not**

- A job tracking system.

Create Job (Authorization)



Approve and
Commit to
Production
with Job
metadata



Do Work, Tracking
Identity, Processing
Notes, and Reason

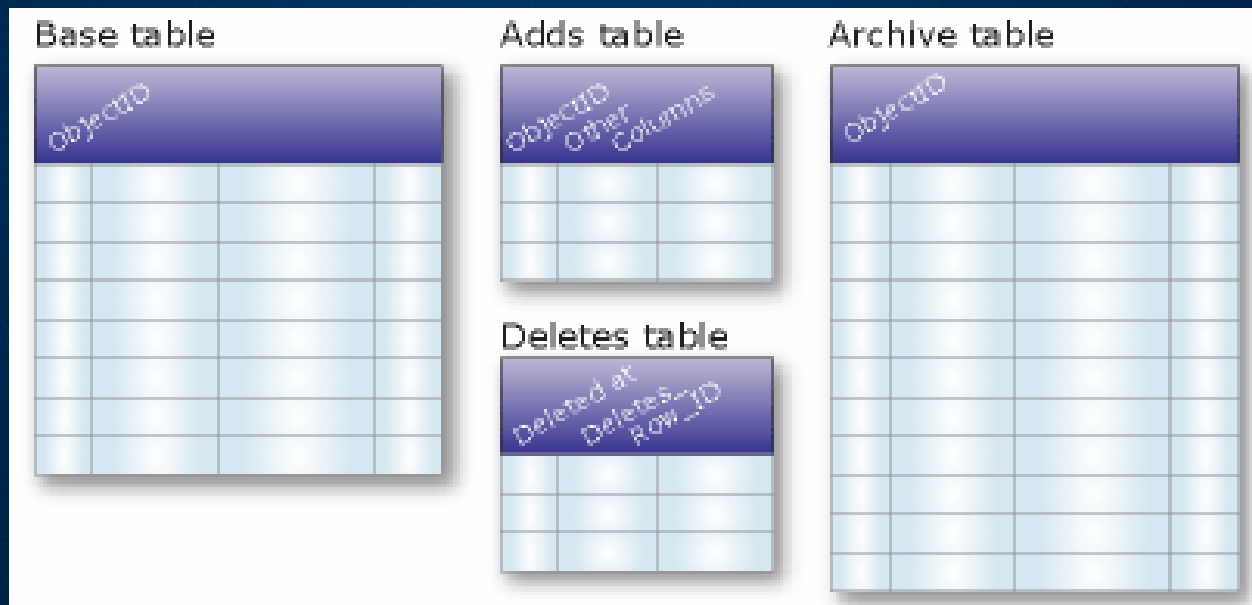
What's Cool

- A history solution that is out-of-the-box
- Great historical query tools
- Builds on what you know (versioning)!
- Understands the GDB (e.g. topologies can have history, too).
- Works on any versionable GDB (Personal/Workgroup/Enterprise)*

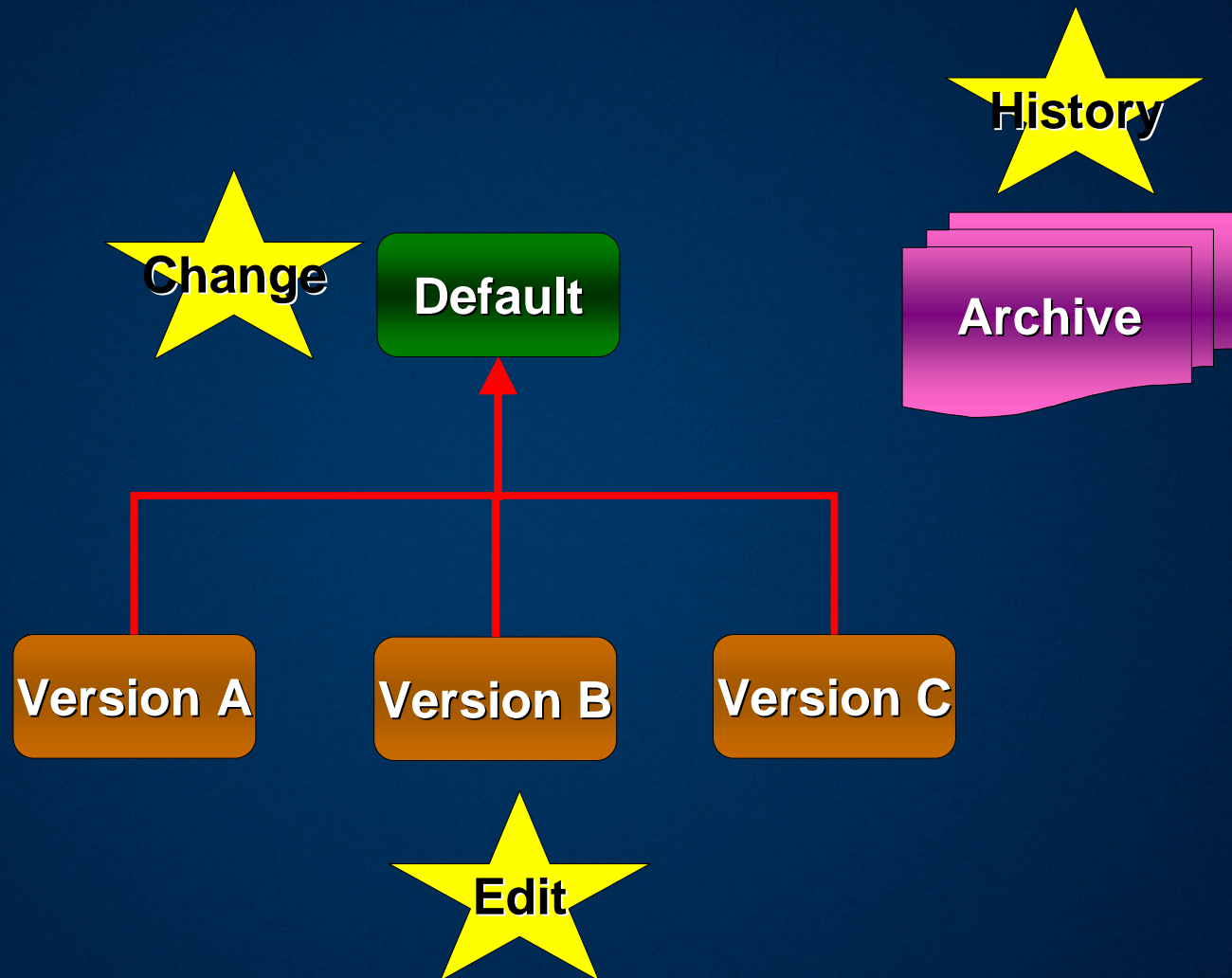
* "Personal" = Personal ArcSDE, not the MSAccess personal GDB.

Data Requirements

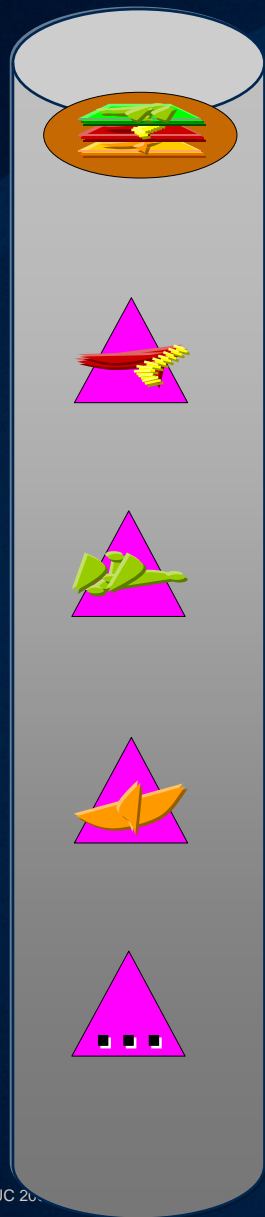
- To enable archiving, you must be the data owner.
- All data must be registered as versioned (without the option to move edits to base)



The Flow of History



“Historical Versions”



T1

T2

T3

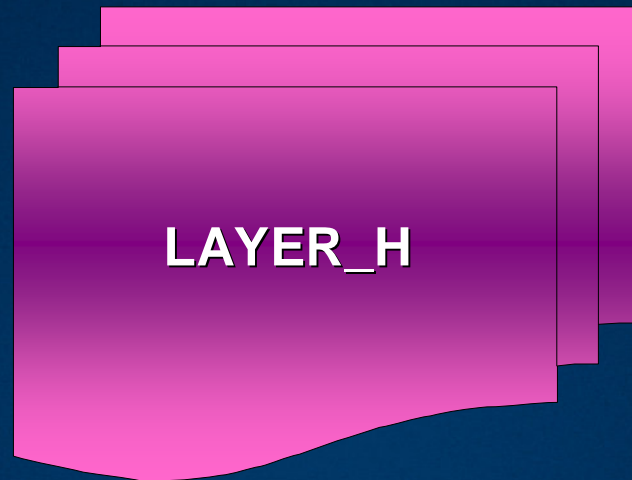
T4

TN

A timestamp bookmark



The Archive Layer



GDB_FROM_DATE

GDB_TO_DATE

GDB_ARCHIVE_OID

Making & Querying

1. Make History by Saving to Default
2. Query History with
 - a) Historical Markers (point in time)
 - b) Archive Layer (changes over time)