

Working with a Distributed Database

1. Basic Concepts
 - a. Replication of a database
 - i. From a Parent SDE to another Database
 - b. Edits can be one-way or two-way
 - i. From Parent to child
 - ii. From Child to parent
 - c. Feature Class has same name as Parent
2. Tool Bar
 - a. Manage Replicas
 - b. Create Replica
 - c. Synchronize
3. VECC Approach
 - a. Parent- full schema
 - b. Child One – less than full schema- edits
 - c. Child Two- replication of child one to local db
 - i. Local attributes added
4. Create grandchild replication
 - a. Add local attributes
5. Edit Parent
6. Edit Child 1
7. Sync Parent and Child 1
8. Edit Child
9. Sync Children
10. Sync Parent with Child 1
11. How this is used
 - a. Just as demoed
 - b. Replicate to various data bases for various applications
 - c. For example Geocoding data
 - d. That said let's take a look at another aspect of ArcGIS Server
 - i.