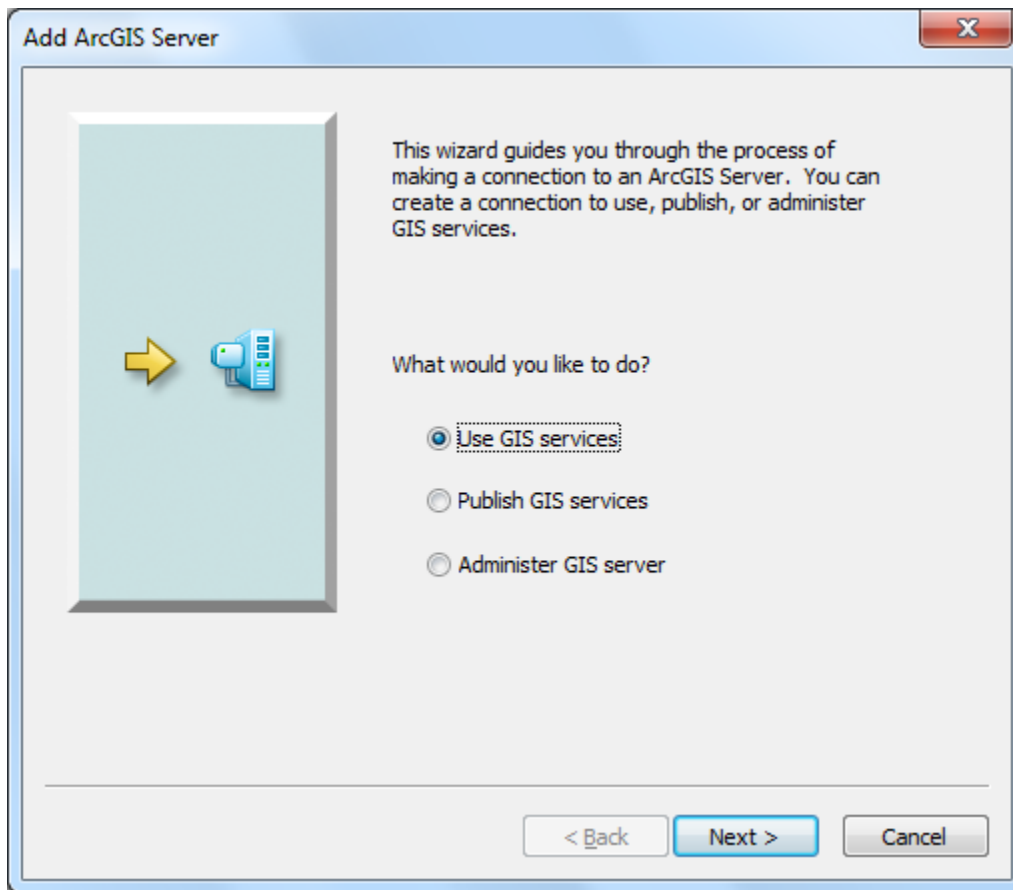


## REPLICATING TO STATE GEODATABASE

Below are the steps to publish your address point feature class to the State's enterprise geodatabase.

The State should have supplied you with a URL and a username/password to create the connection to their ArcGIS for Server. Once you have this you can proceed below.

First, in the Catalog window go to GIS Servers > double-click Add ArcGIS Server. Select the option 'Use GIS Services' and click 'Next'.

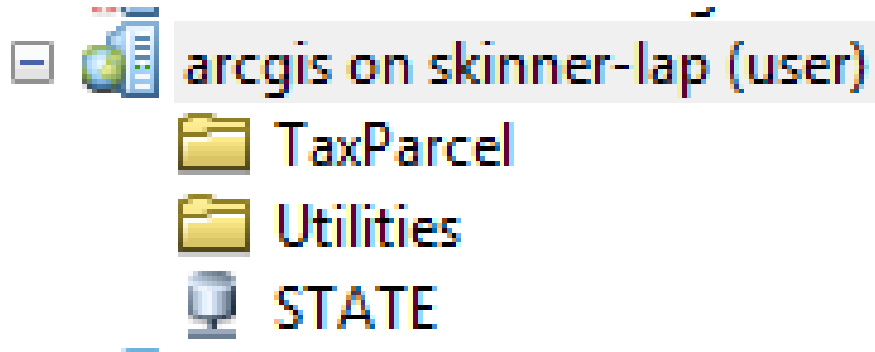


Enter in the URL, username, and password then click 'Finish'.

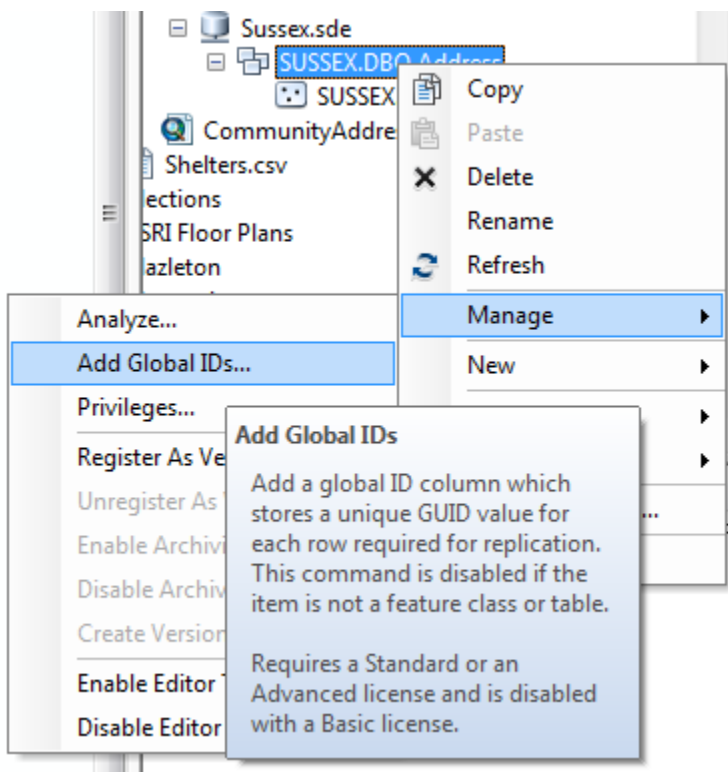
The image shows a 'General' dialog box with a title bar containing a close button (X). The dialog is divided into several sections:

- Server URL:** A text input field containing 'http://stateserver/arcgis/services'. Below it, two lines of text provide default URLs: 'ArcGIS Server: http://myserver:6080/arcgis/services' and 'Spatial Data Server: http://myserver:8080/arcgis/rest/services'.
- Authentication (Optional):** A section enclosed in a rounded rectangle containing:
  - User Name:** A text input field containing 'Sussex'.
  - Password:** A text input field with seven black dots representing a masked password.
  - Save Username/Password
- Help Links:** Two blue underlined links: '[About ArcGIS Server connections](#)' and '[About Spatial Data Server connections](#)'.
- Buttons:** At the bottom right, three buttons: '< Back' (disabled), 'Finish' (highlighted in blue), and 'Cancel' (disabled).

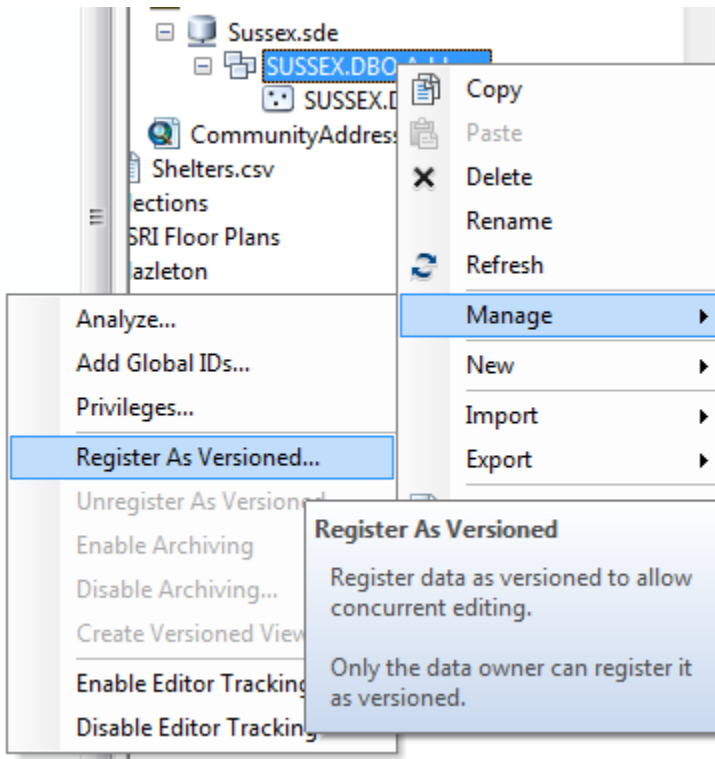
Once connected, you should see a geodata service.



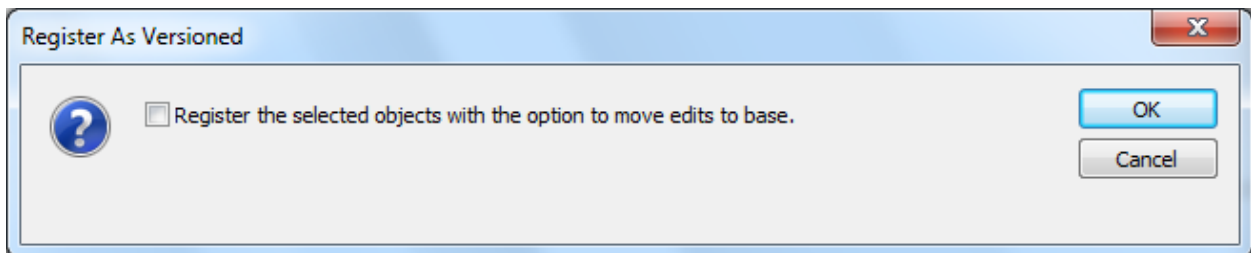
Right-click on your address point feature class (or feature dataset if feature class resides in one) > Manage > Add Global IDs.



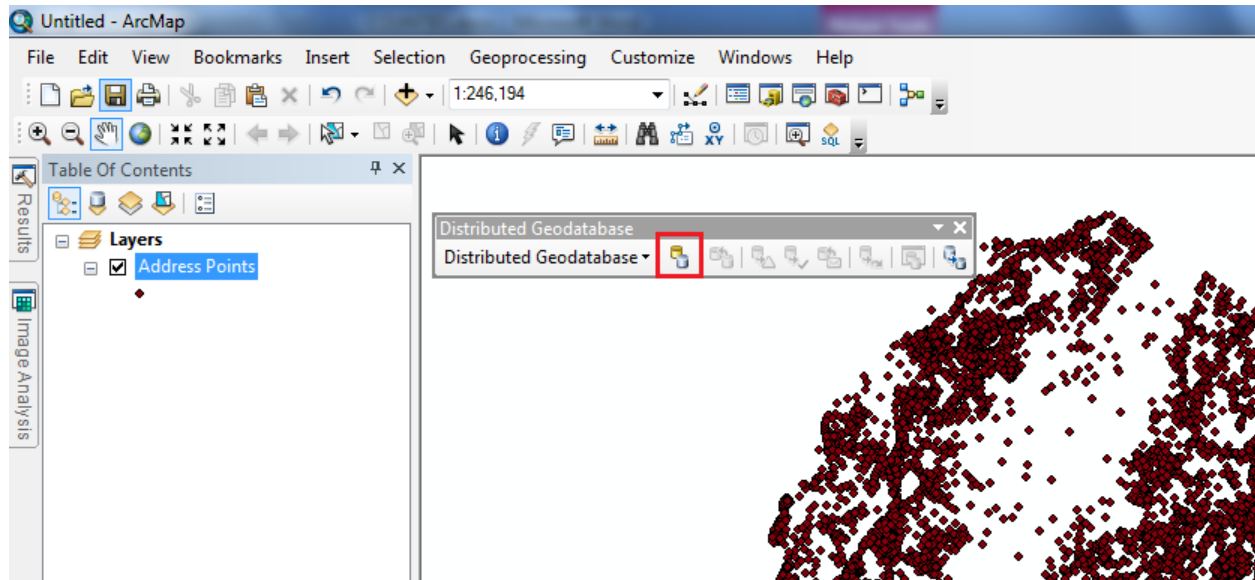
Right-click on the feature class/dataset again > Manage > Register As Versioned.



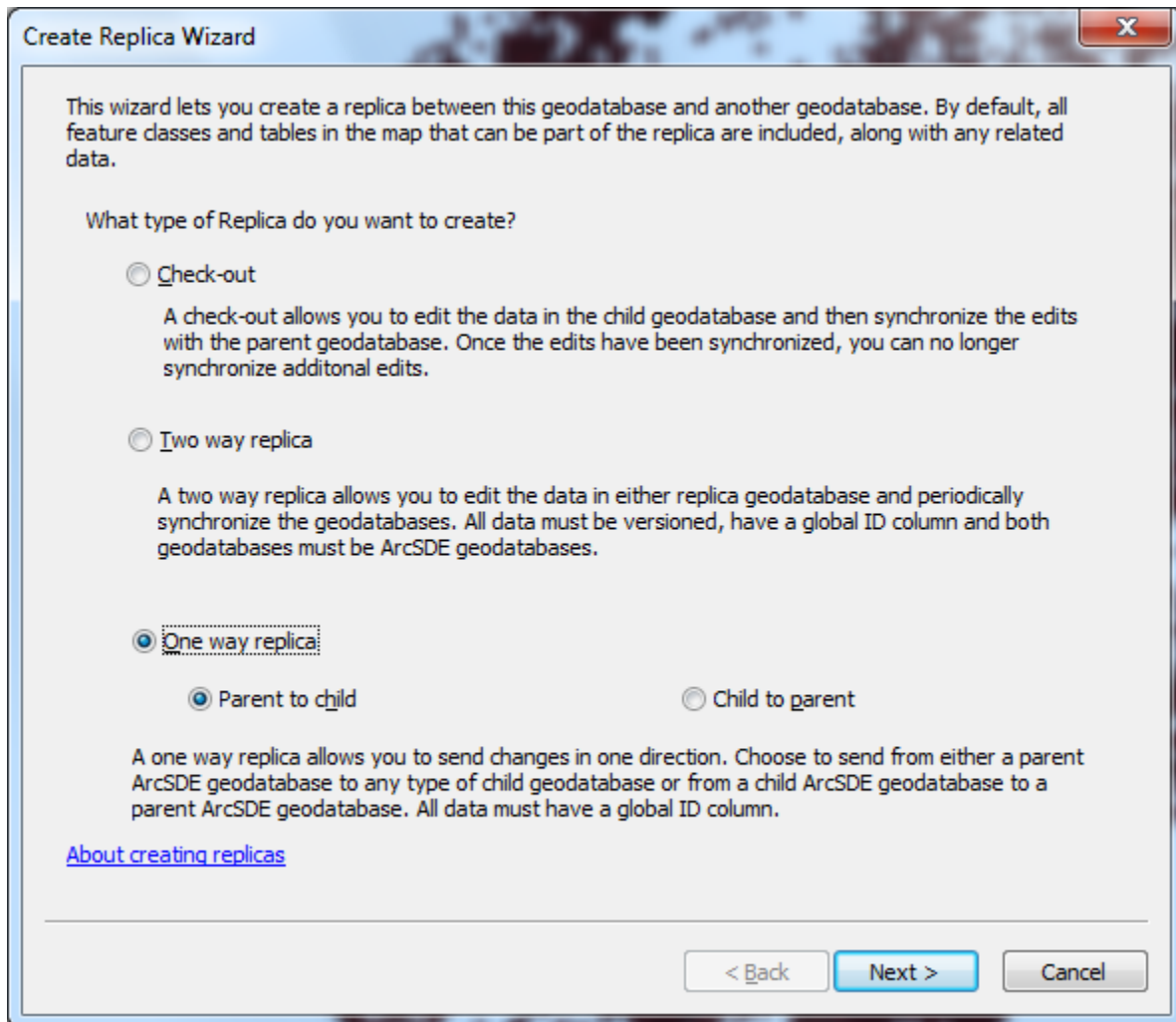
You may be prompted to move edits to base. You do not have to check this. You can simply click OK.



After Global IDs have been added to the feature class and the feature class has been registered as versioned, add the feature class to ArcMap. Add the Distributed Geodatabase toolbar. Click on the 'Create Replica' tool on this toolbar.



Choose 'One way replica' and 'Parent to child' for the type of replica to create, then click 'Next'.



**Create Replica Wizard**

This wizard lets you create a replica between this geodatabase and another geodatabase. By default, all feature classes and tables in the map that can be part of the replica are included, along with any related data.

What type of Replica do you want to create?

Check-out

A check-out allows you to edit the data in the child geodatabase and then synchronize the edits with the parent geodatabase. Once the edits have been synchronized, you can no longer synchronize additional edits.

Two way replica

A two way replica allows you to edit the data in either replica geodatabase and periodically synchronize the geodatabases. All data must be versioned, have a global ID column and both geodatabases must be ArcSDE geodatabases.

One way replica:

Parent to child       Child to parent

A one way replica allows you to send changes in one direction. Choose to send from either a parent ArcSDE geodatabase to any type of child geodatabase or from a child ArcSDE geodatabase to a parent ArcSDE geodatabase. All data must have a global ID column.

[About creating replicas](#)

< Back    **Next >**    Cancel

Choose to replicate 'Data' from a 'Geodatabase'. Check the option 'XML Document' and browse to a location on your local disk to create the XML file. Specify a replica name, check the 'Show advanced options...' and click 'Next'.

Create Replica Wizard

This wizard lets you create a replica between this geodatabase and another geodatabase. By default, all feature classes and tables in the map are included, along with any related data.


Replicating data from:

What do you want to replicate?

Data  Schema Only  Register existing data only

Which xml file do you want to replicate data to?

Geodatabase  XML Document



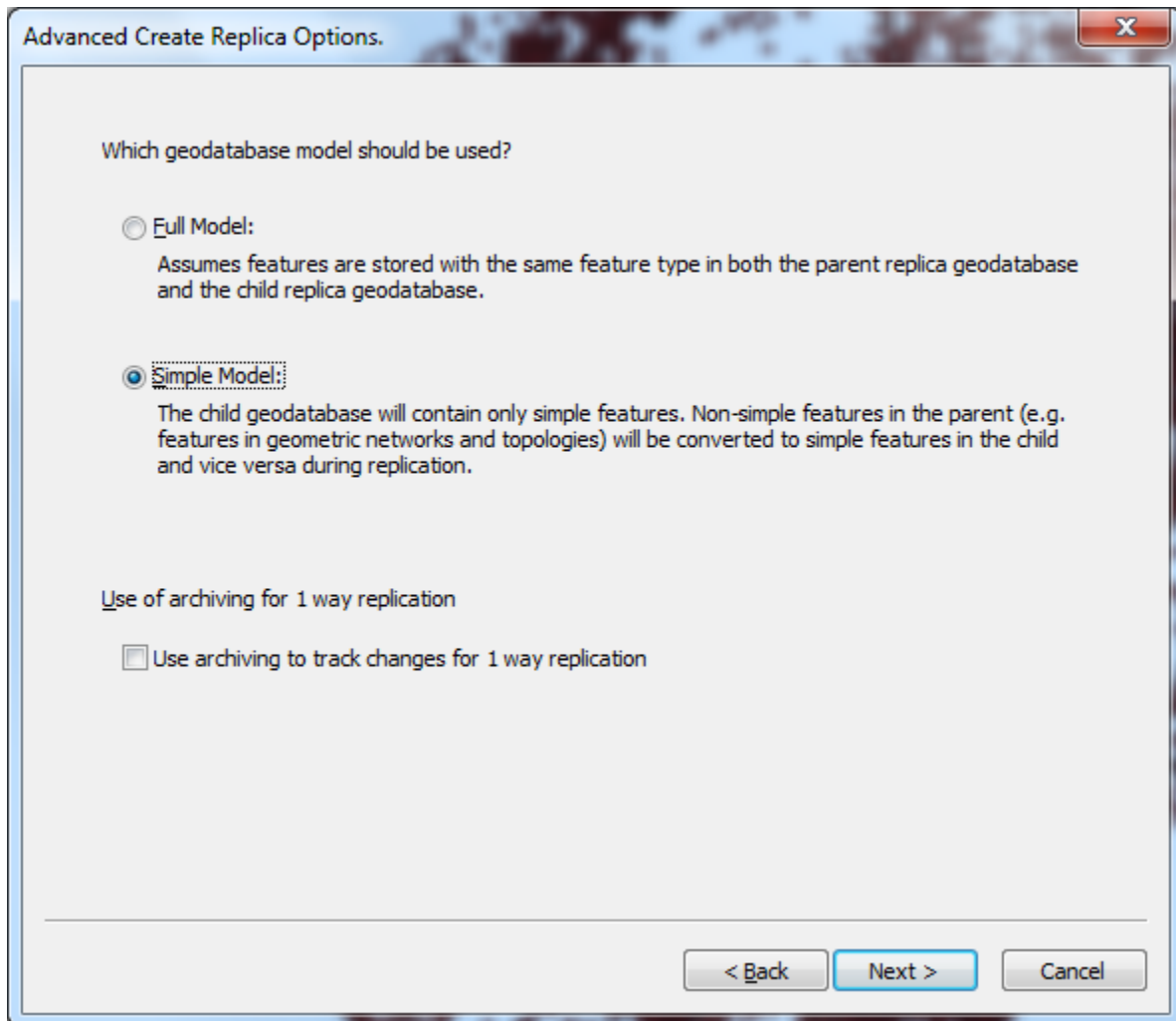
What do you want to call this Replica?

Show advanced options for overriding replica defaults when I click Next

[About extracting data](#)

< Back Next > Cancel

Check the option of 'Simple Model' and click 'Next'.



Advanced Create Replica Options. [X]

Which geodatabase model should be used?

Full Model:  
Assumes features are stored with the same feature type in both the parent replica geodatabase and the child replica geodatabase.

Simple Model:  
The child geodatabase will contain only simple features. Non-simple features in the parent (e.g. features in geometric networks and topologies) will be converted to simple features in the child and vice versa during replication.

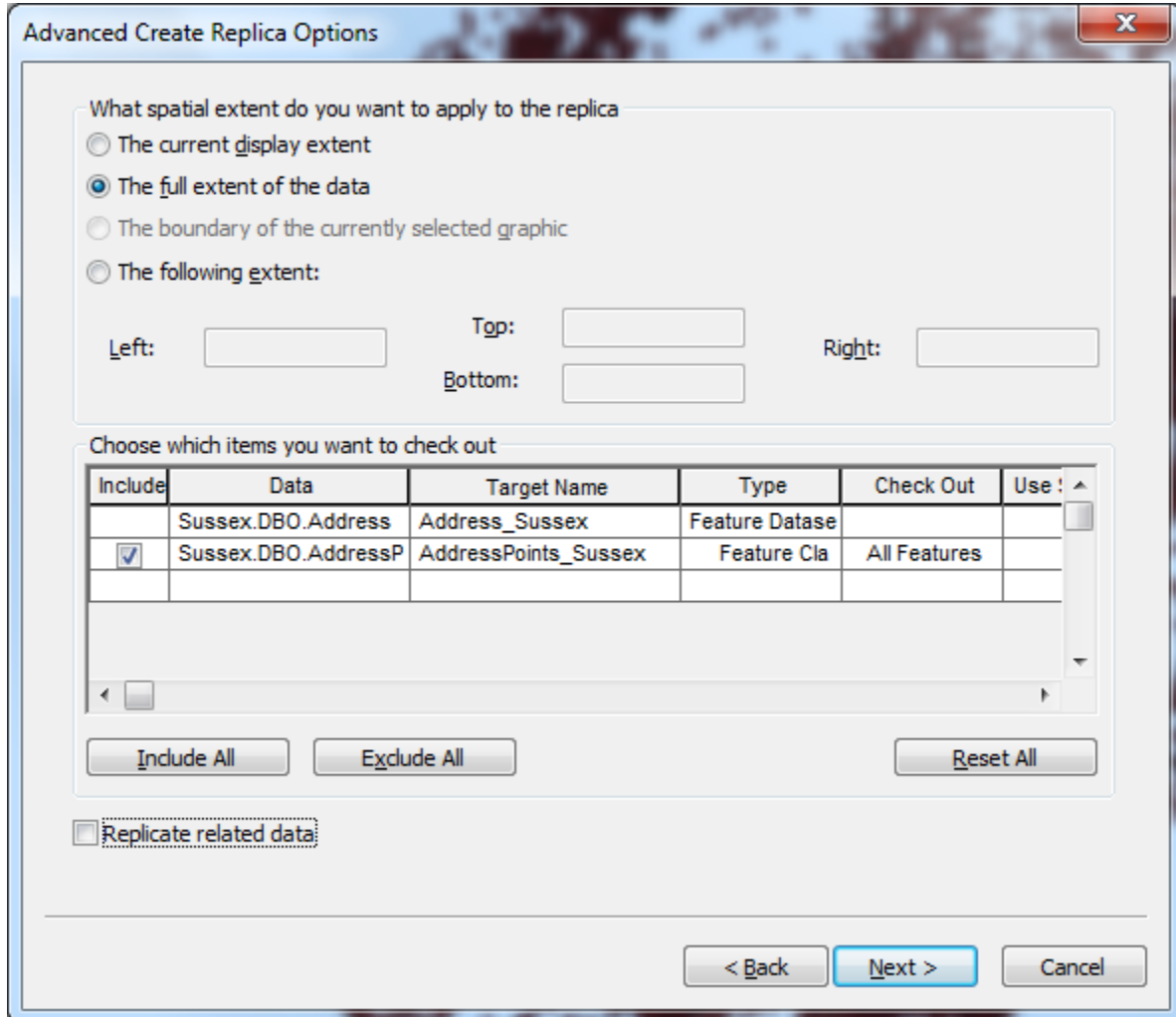
Use of archiving for 1 way replication

Use archiving to track changes for 1 way replication

< Back   Next >   Cancel



Check 'The full extent of the data'. For the 'Target Name' change the name of the feature dataset and/or feature class to something relevant to your jurisdiction. Also, if other data exists within the feature dataset, it will be listed here. Be sure to uncheck these feature classes under the 'Include' column. Optionally, uncheck 'Replica related data'. Click 'Next'.



The dialog box is titled "Advanced Create Replica Options" and contains the following sections:

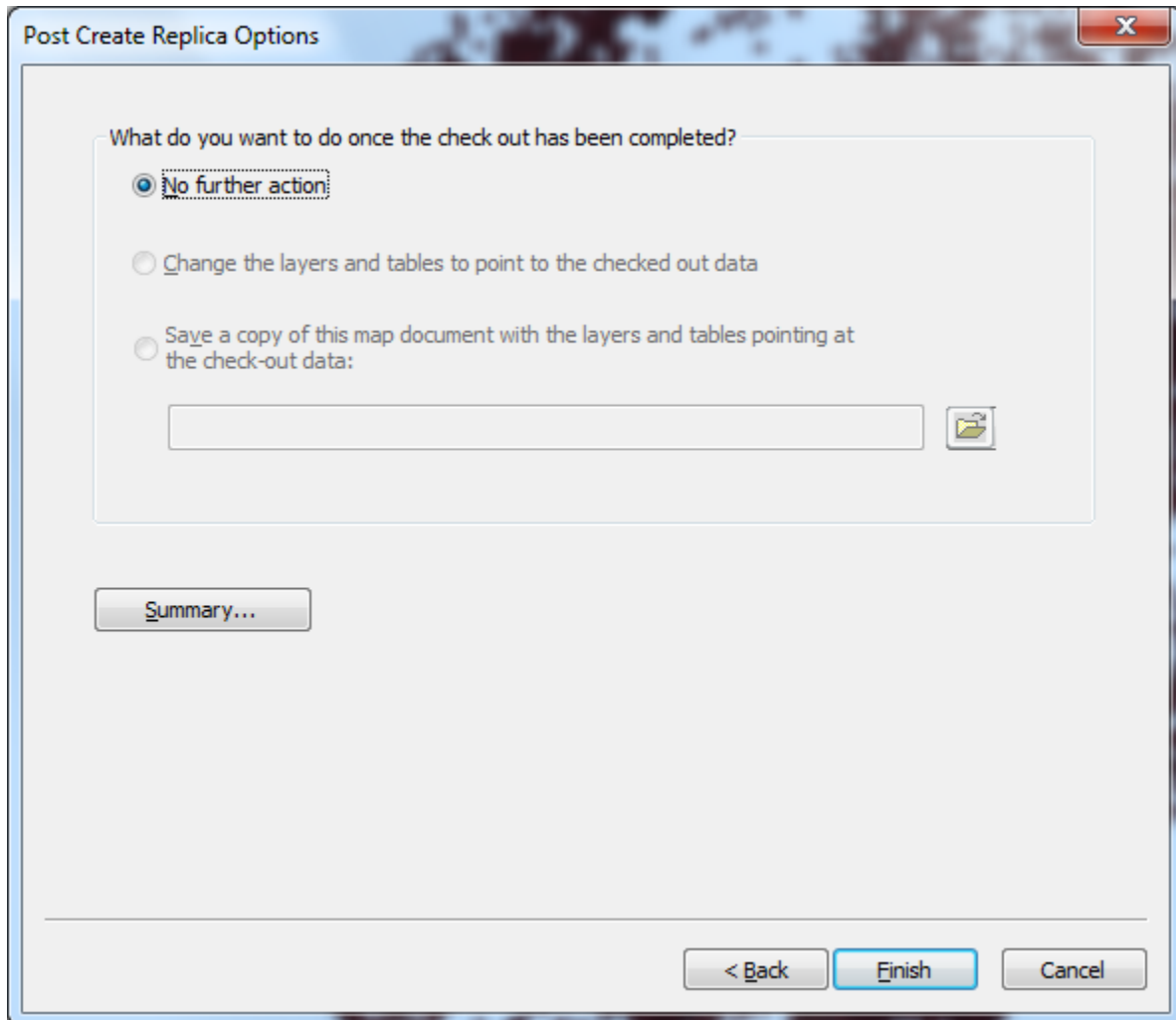
- What spatial extent do you want to apply to the replica**
  - The current display extent
  - The full extent of the data
  - The boundary of the currently selected graphic
  - The following extent:
    - Left:
    - Top:
    - Right:
    - Bottom:
- Choose which items you want to check out**

Include	Data	Target Name	Type	Check Out	Use !
<input type="checkbox"/>	Sussex.DBO.Address	Address_Sussex	Feature Datase		
<input checked="" type="checkbox"/>	Sussex.DBO.AddressP	AddressPoints_Sussex	Feature Cla	All Features	

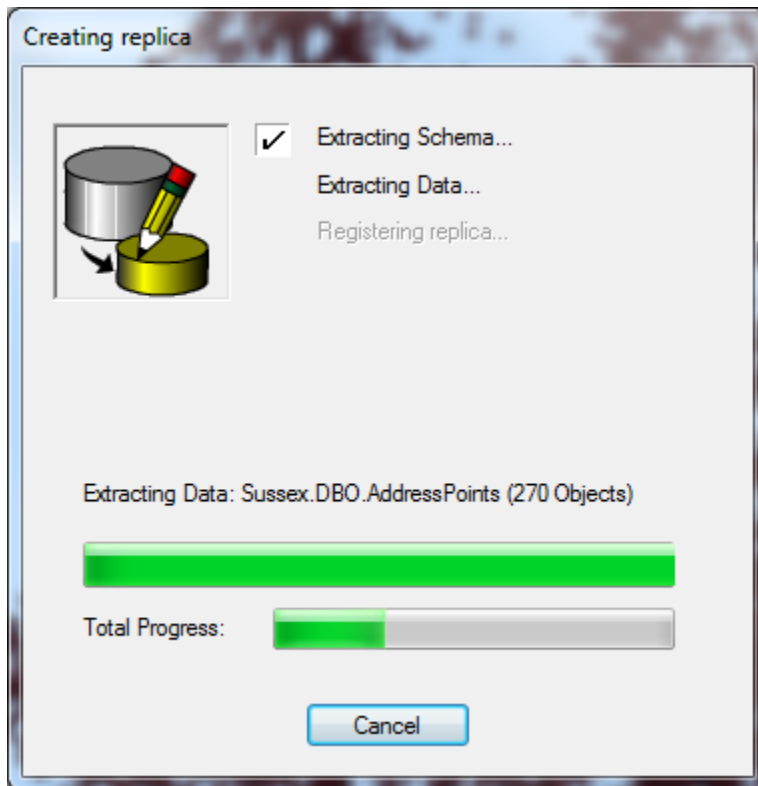
Buttons:
- Replicate related data

Navigation buttons:

Click 'Finish' on the last dialog.

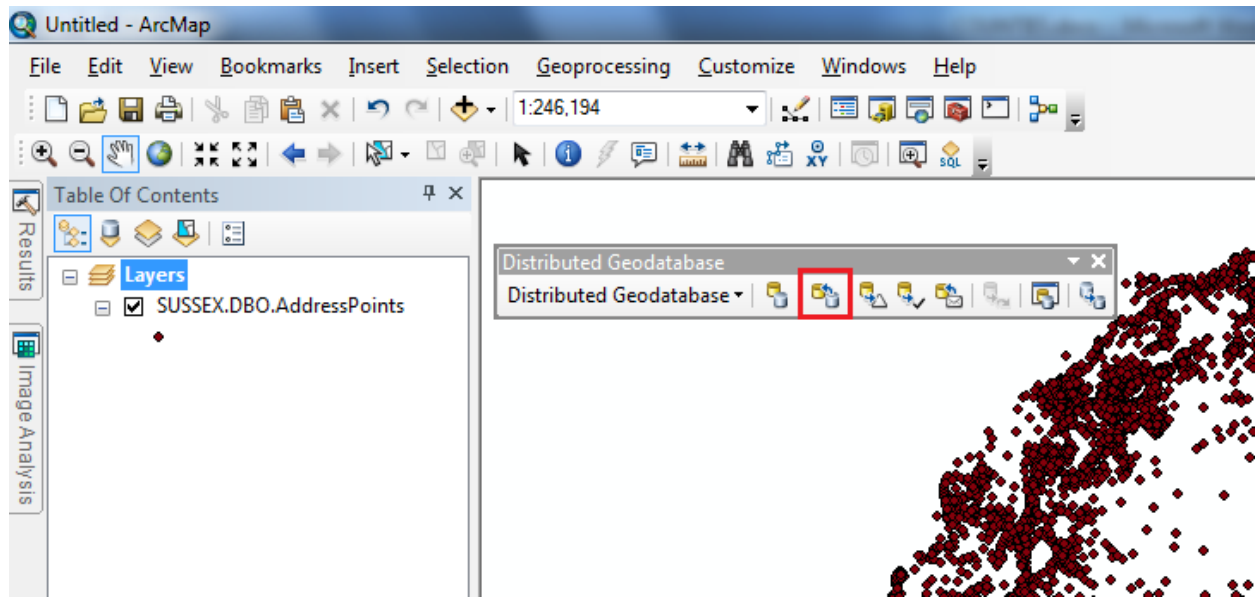


You will then see the following dialog while the replica is being created.



When the replica is finished successfully you will not see a notification. This dialog will simply disappear. You can now send the XML file to the State. The State will import the XML file into their enterprise geodatabase. After this is complete, you can synchronize your edits using the geodata service.

After you make edits to the address feature class, you can synchronize the changes by clicking on the Synchronize Changes tool.



Make sure you have the correct replica to synchronize, and have the geodata service selected for Geodatabase 2. You can browse to the geodata service under 'GIS Servers'. This is the connection to the State's ArcGIS for Server instance you made earlier. Finally, click 'Finish' to synchronize the edits.

