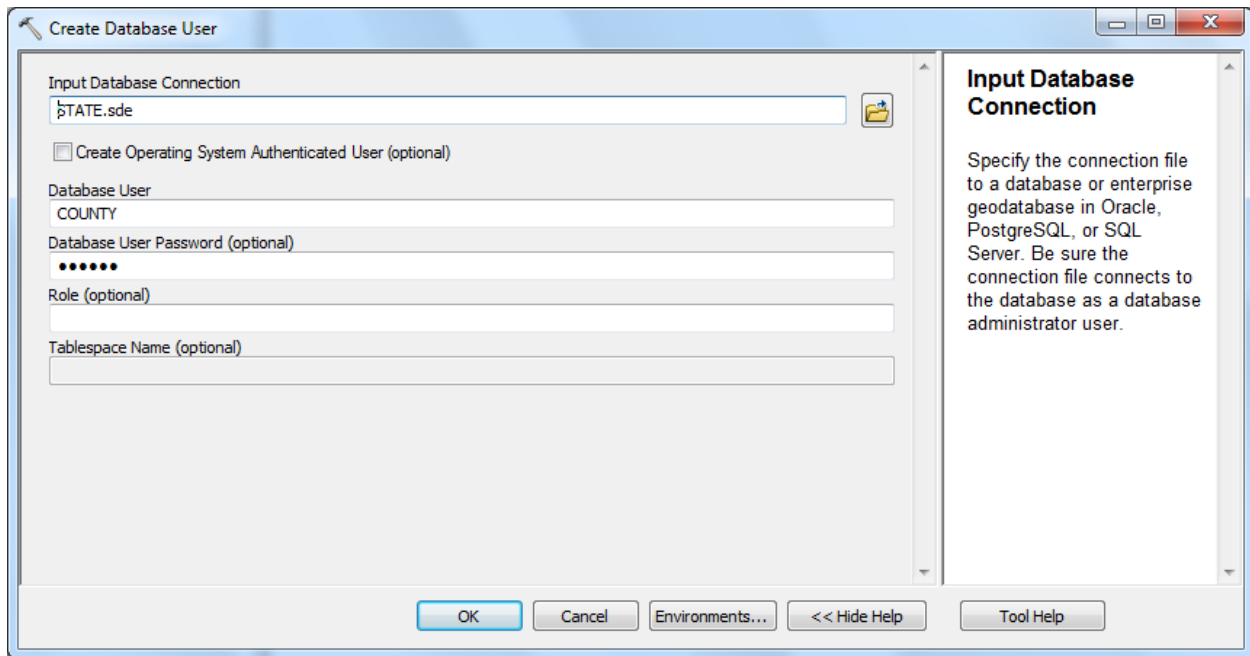


PUBLISHING A GEODATA SERVICE

Below are the steps to publish your enterprise geodatabase as a geodata service so counties can begin replicating their Address Point data.

First, we recommend creating a user that will be the data owner of the replicated data. For example, you can create a user called 'COUNTY'.



Next, connect to the geodatabase as this user.

Database Connection

Database Platform: SQL Server

Instance: skinner-lap

Authentication Type: Database authentication

User name: COUNTY

Password: ●●●●●●●

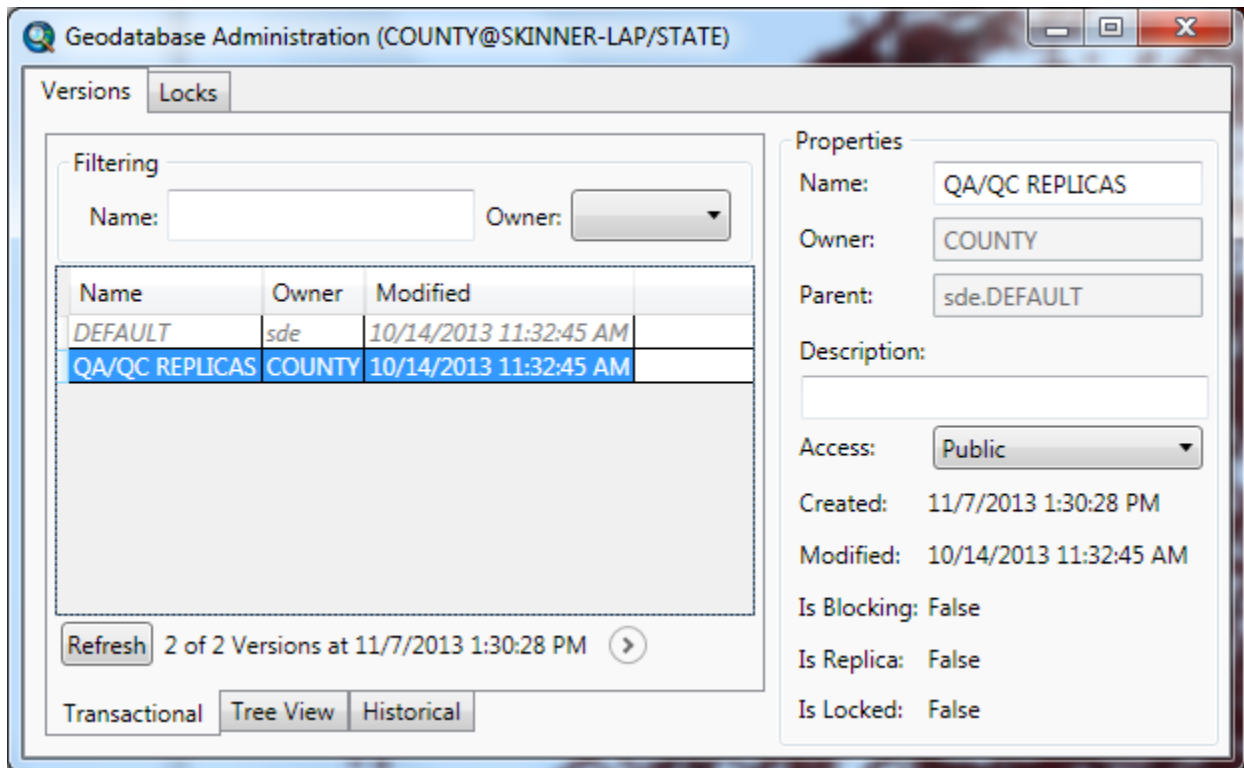
Save user name and password

Database: STATE

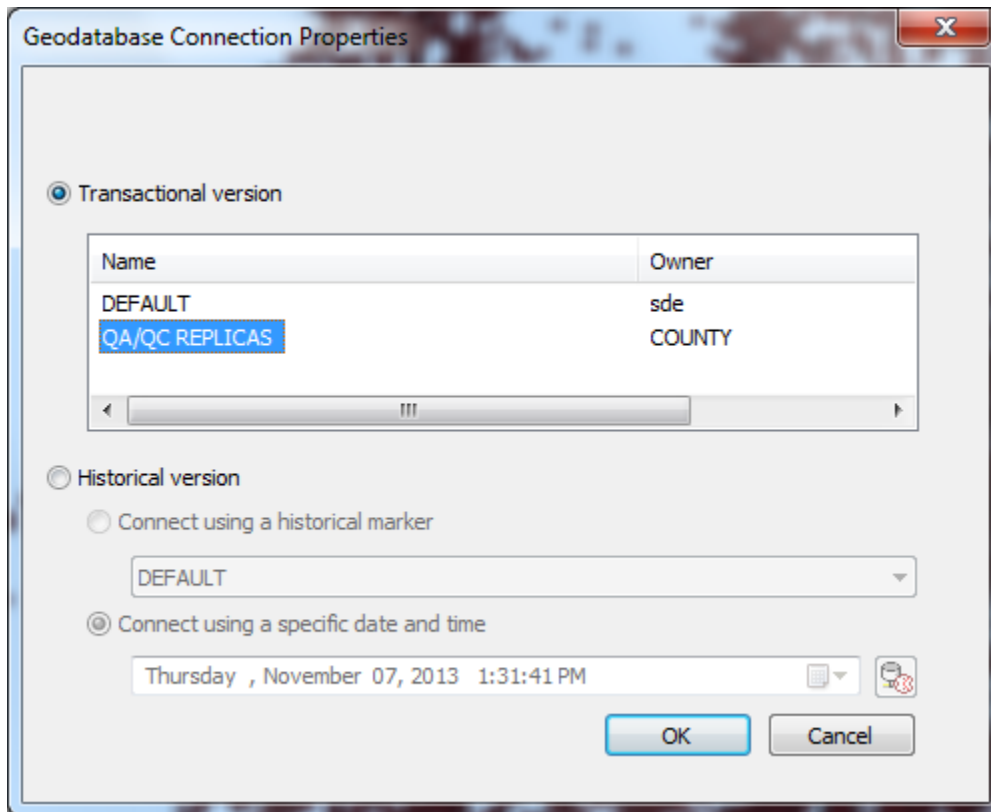
[About Database Connections](#)

OK Cancel

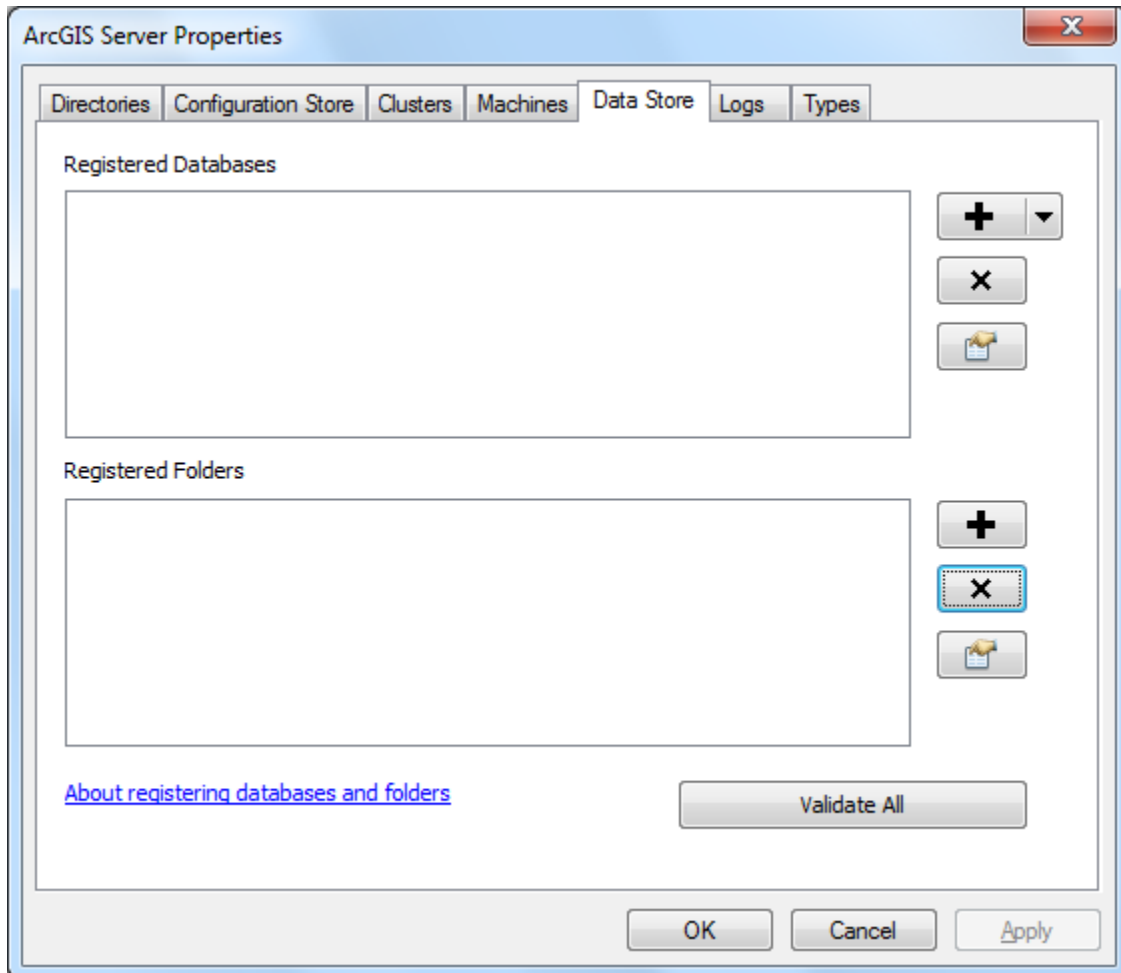
It is also recommend creating a child version. To do this, right-click on the database connection > Administration > Administer Geodatabase. Righth-click on the DEFAULT version > New Version. In the example below, QA/QC REPLICAS is the child version. Counties will replicate to this version. The State will reconcile/post the changes from QA/QC REPLICAS to DEFAULT.



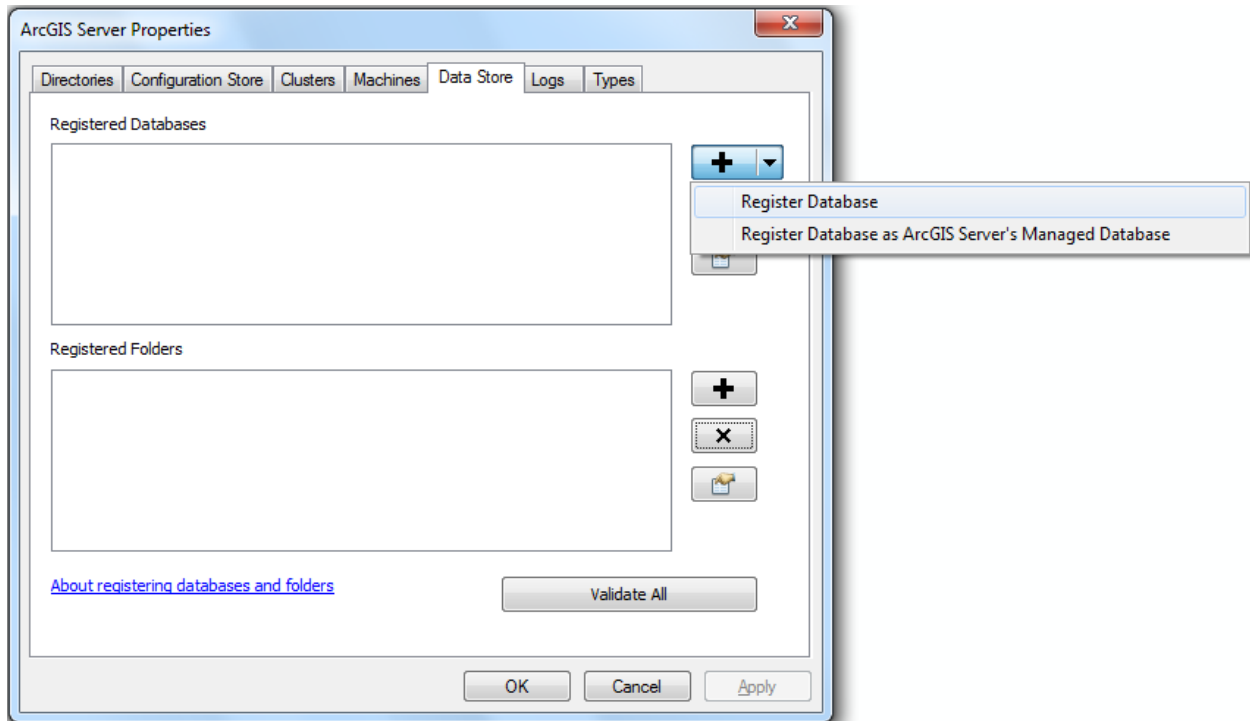
Since the counties will be replicating to the QA/QC REPLICAS version, you will want the geodatabase to connect to this version. To do so, right-click on the database connection > Geodatabase Connection Properties. Select the version > OK.



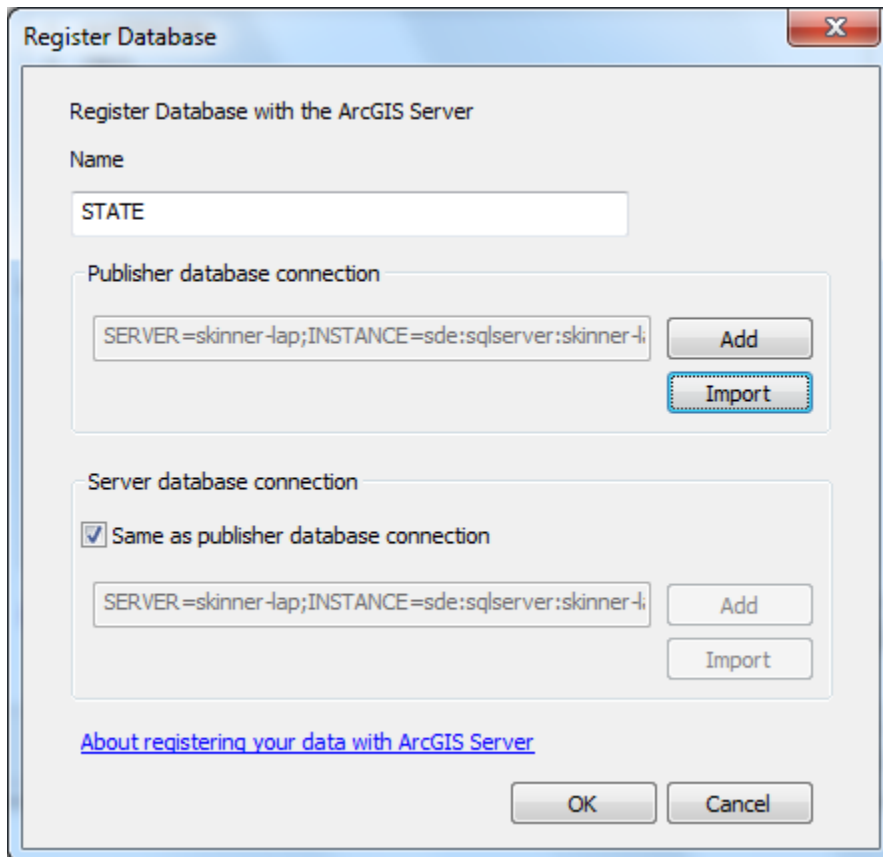
Next you will want to register the geodatabase as a Data Store for ArcGIS for Server. Right-click on your ArcGIS Server connection > Server Properties > Data Store tab.



Click the arrow next to the plus sign on the right of Registered Databases > Register Database.



Specify a name and then click Import. Browse to the SDE connection file and click OK.



The image shows a Windows-style dialog box titled "Register Database". The main heading is "Register Database with the ArcGIS Server".

Name: A text input field contains the text "STATE".

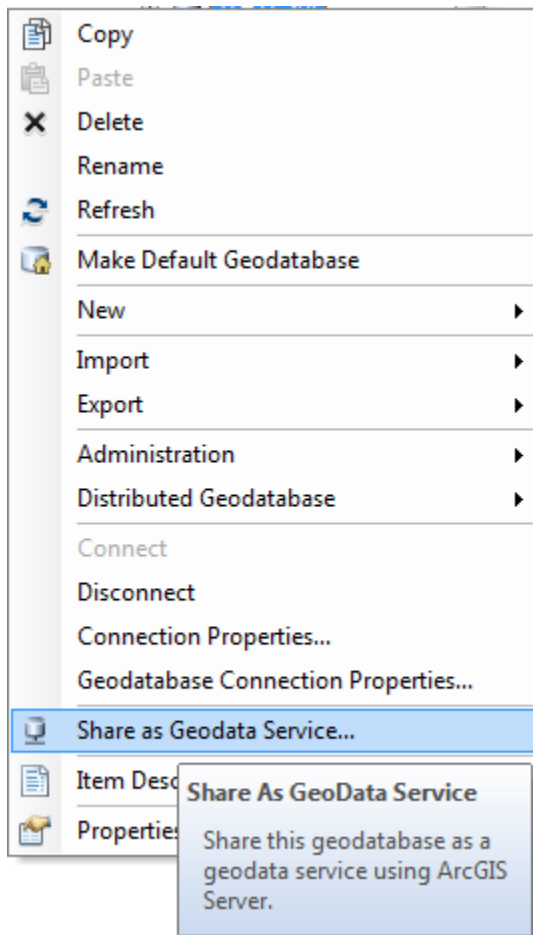
Publisher database connection: A text input field contains the connection string "SERVER=skinner-lap;INSTANCE=sde:sqlserver:skinner-lap;". To the right of this field are two buttons: "Add" and "Import". The "Import" button is highlighted with a dashed border.

Server database connection: A checkbox labeled "Same as publisher database connection" is checked. Below it, a text input field contains the same connection string as above. To the right are "Add" and "Import" buttons.

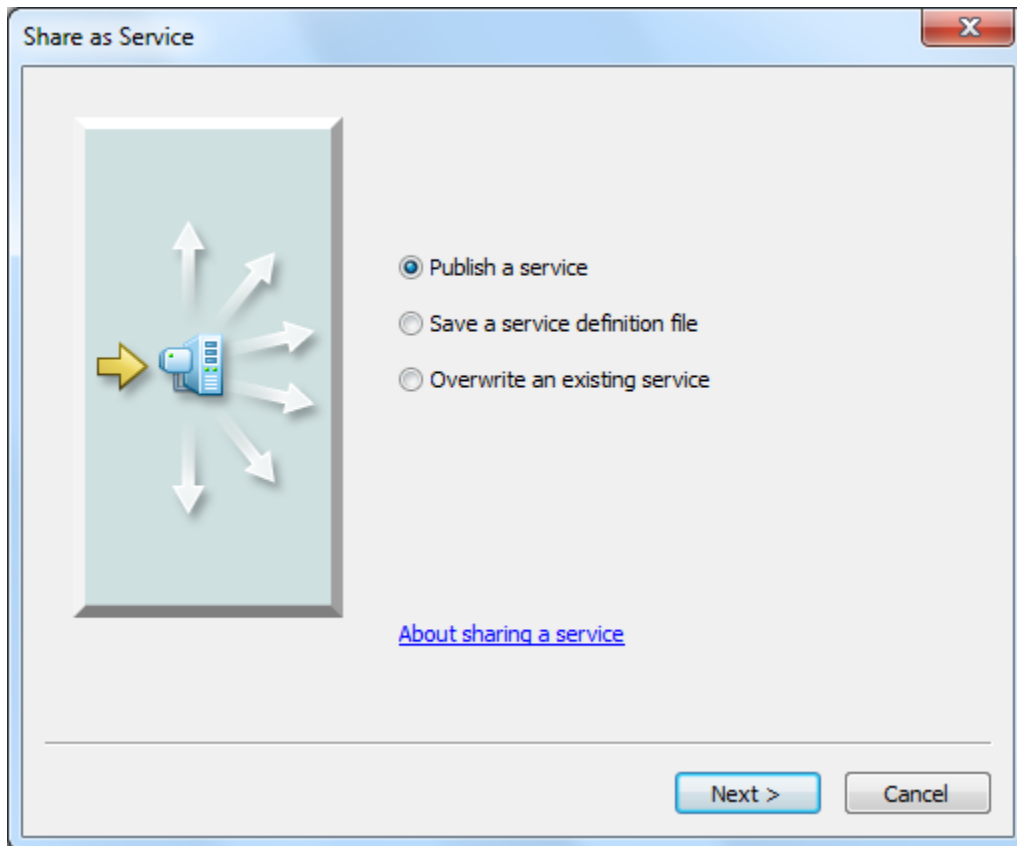
At the bottom left, there is a blue hyperlink: [About registering your data with ArcGIS Server](#).

At the bottom center, there are "OK" and "Cancel" buttons.

After you register the geodatabase as a Data Store, you can publish the geodatabase as a geodata service. Right-click on the geodatabase > Share As Geodata Service.



Select 'Publish a service' > Next.



Select your ArcGIS for Server Connection and specify a service name > Next.

Publish a Service

Choose a connection

arcgis on skinner-lap_6080 (admin)

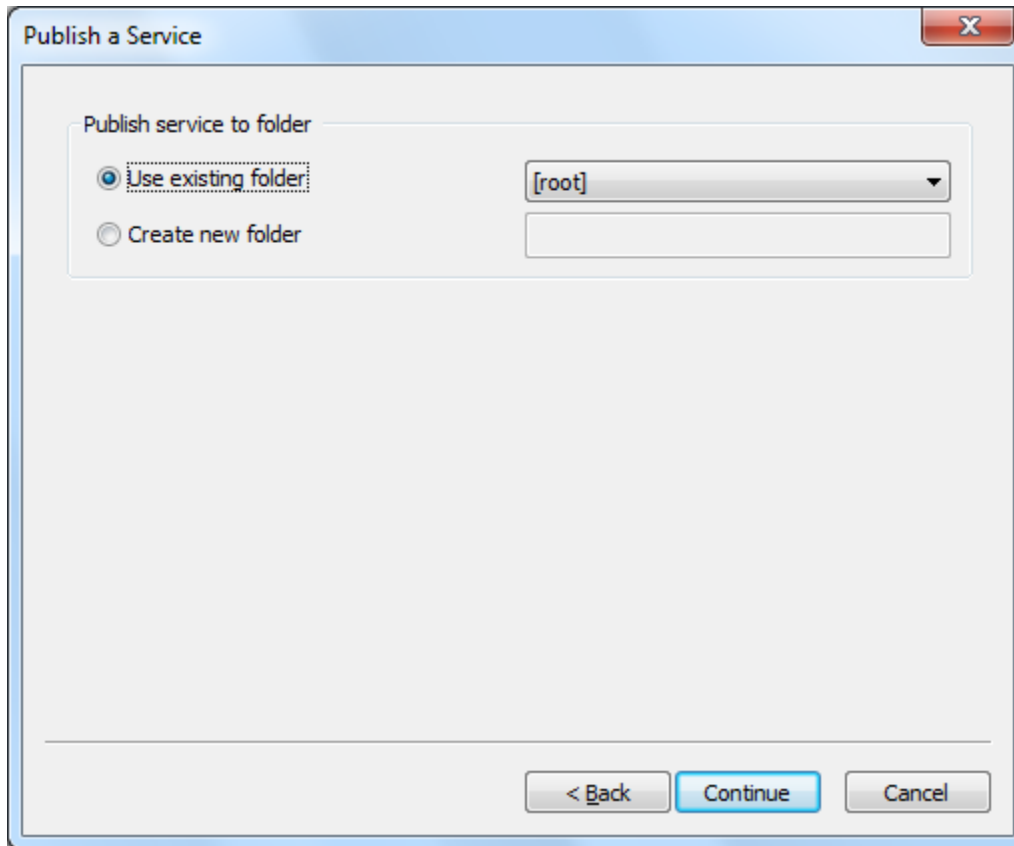
Server type: ArcGIS Server

Service name

STATE

< Back Next > Cancel

Publish to the root folder, existing, or create a new folder > Next.



The image shows a dialog box titled "Publish a Service" with a close button (X) in the top right corner. The main content area is titled "Publish service to folder" and contains two radio button options. The first option, "Use existing folder", is selected and has a dotted border. To its right is a dropdown menu showing "[root]". The second option is "Create new folder", which is unselected and has an empty text input field to its right. At the bottom of the dialog, there are three buttons: "< Back", "Continue", and "Cancel".

Publish a Service

Publish service to folder

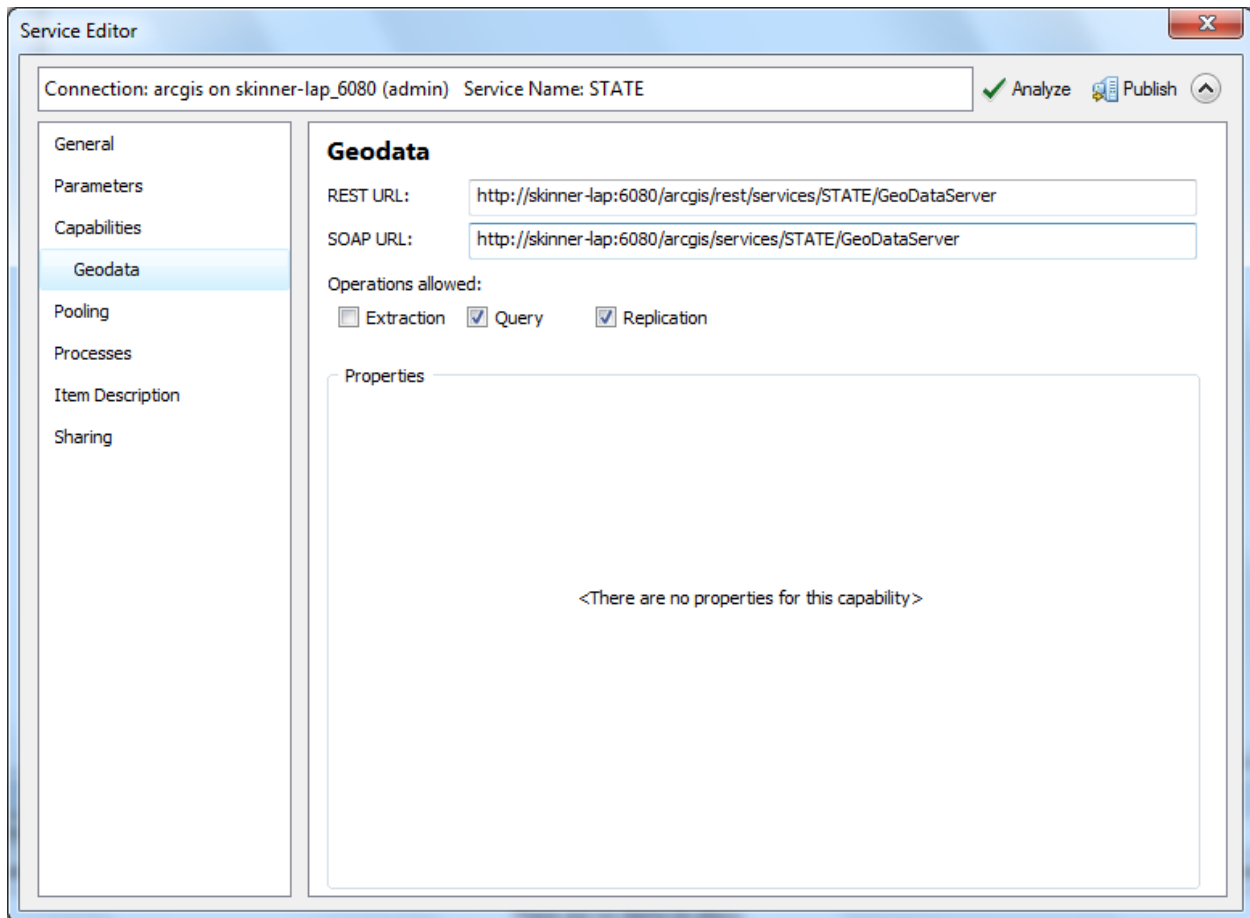
Use existing folder

Create new folder

[root]

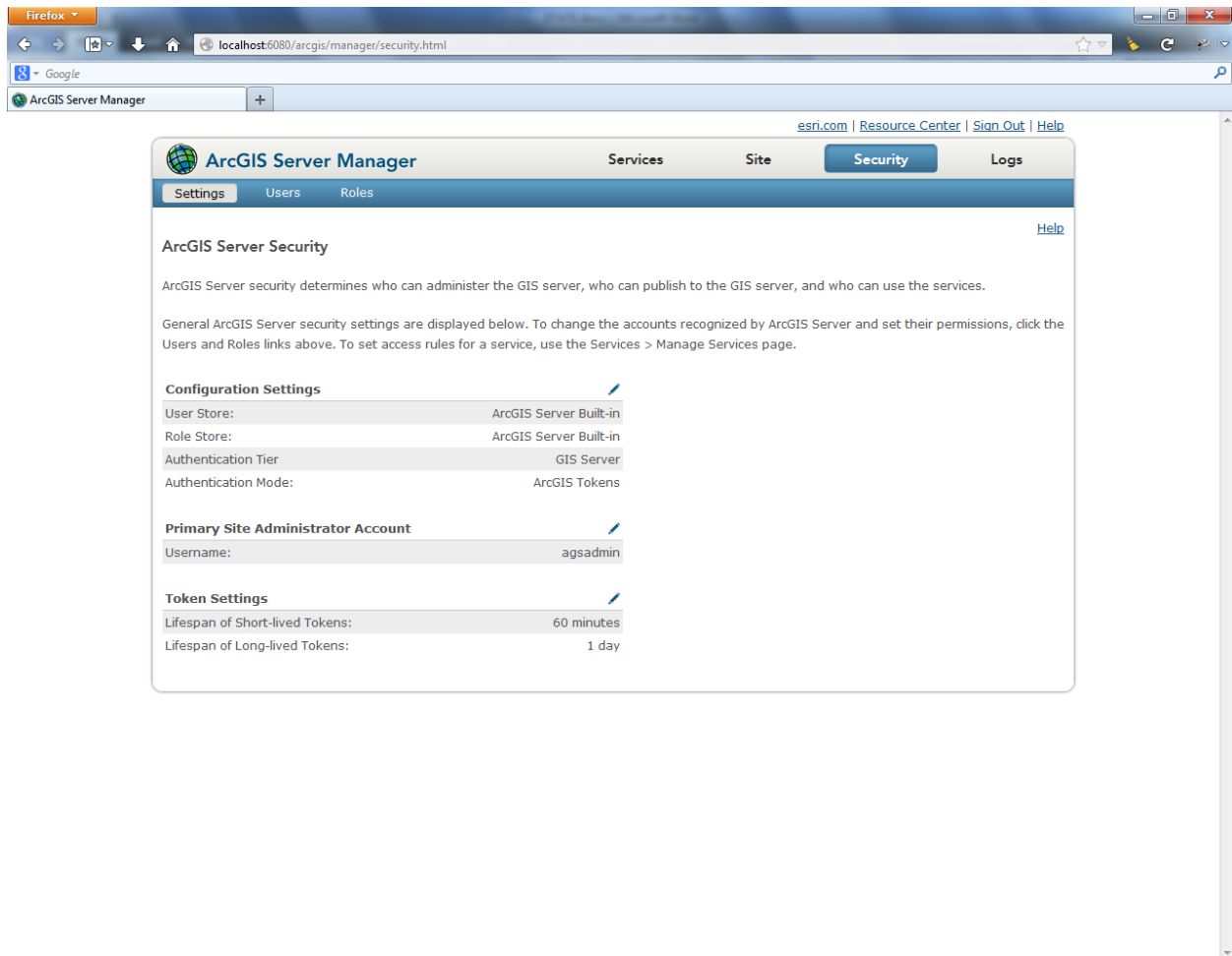
< Back Continue Cancel

Under Capabilities, select Geodata. Make sure 'Replication' is checked. You can optionally uncheck 'Extraction'. Then, click Publish.



After the geodata service is published, you will want to apply security to the service. We recommend creating an ArcGIS Server built-in user for each county and one role that all users will belong to.

Login to ArcGIS Server Manager and click the Security tab.



Click 'Roles' at the top left > New Role. Specify a Role name, description, and choose 'User' for the role type. Click 'Create'.

New Role ✕

[Help](#)

Role name:

Description:

Role type: User Publisher Administrator


Available users			Role members
Username	Full name:	Email:	
<i>No records to display.</i>			
<input type="text" value=""/>			

Click 'Users' at the top left > New User. Specify a username, password, and optionally an e-mail, full name, and description. For example, you may want to name the user after the county. Click the + sign next to the role you previously created to add this user to the role. Click 'Create'. You will want to repeat this step for each county.

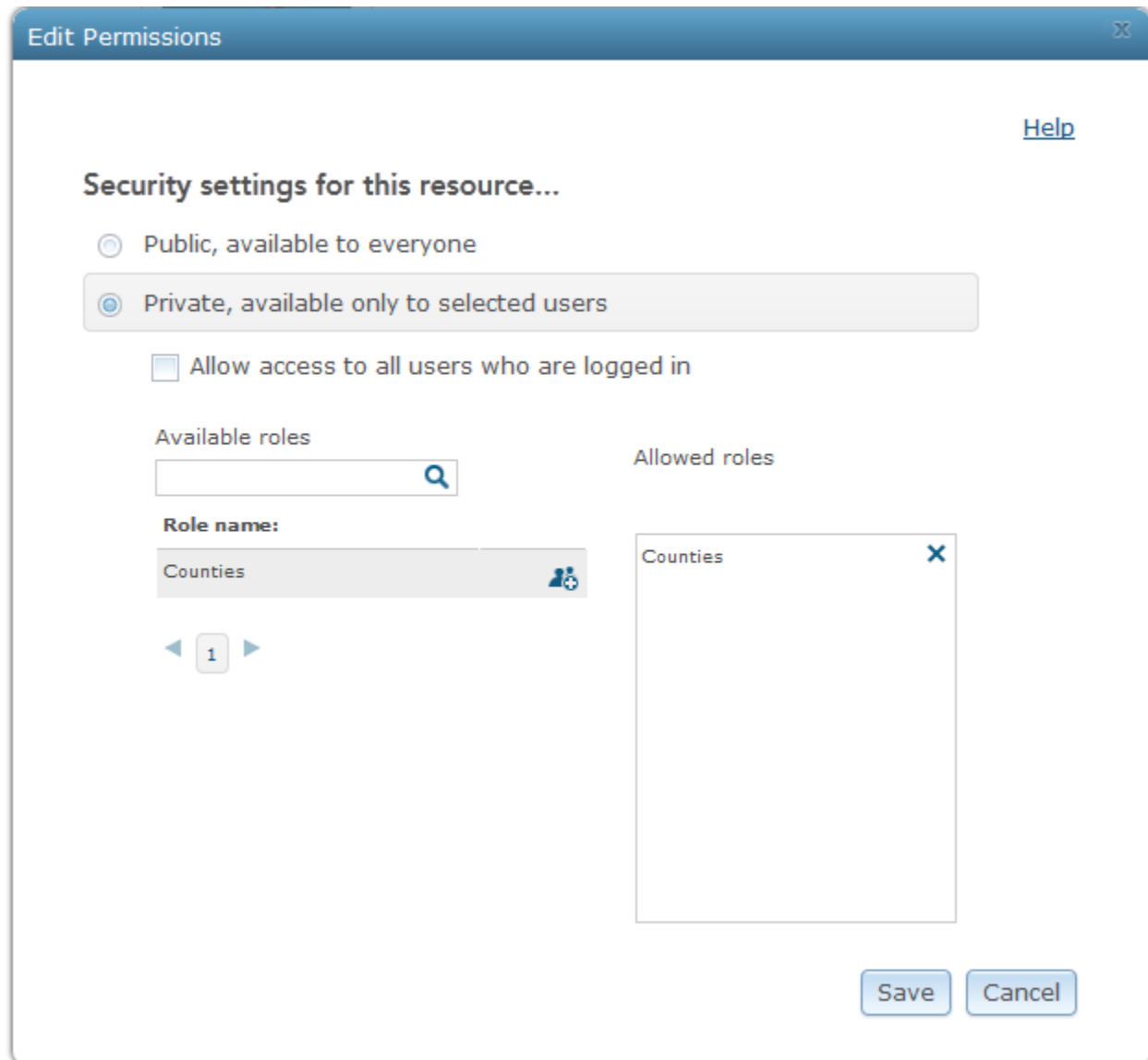
New User x

[Help](#)

Username:	<input type="text" value="Sussex"/>	Available roles	Member of
Password:	<input type="password" value="•••••"/>	Role name:	<input type="text" value="Counties"/> x
Repeat Password:	<input type="password" value="•••••"/>	Role type:	
Email:	<input type="text"/>	Counties User	
Full name:	<input type="text"/>	<input type="text"/>	
Description:	<input type="text" value="Sussex County, NJ"/>	◀ 1 ▶	

After creating each user, you will want to secure the geodata service. Click on 'Services' and scroll to the geodata service. Click the  icon.

Select 'Private, available only to selected users', click on the + next to the Role, and then click 'Save'.



Edit Permissions

[Help](#)

Security settings for this resource...

Public, available to everyone

Private, available only to selected users

Allow access to all users who are logged in

Available roles

Allowed roles

Role name:

Counties

Counties

1

Save Cancel

The geodata service is secured. You can now send the county the username/password and the URL to connect to your ArcGIS for Server instance.