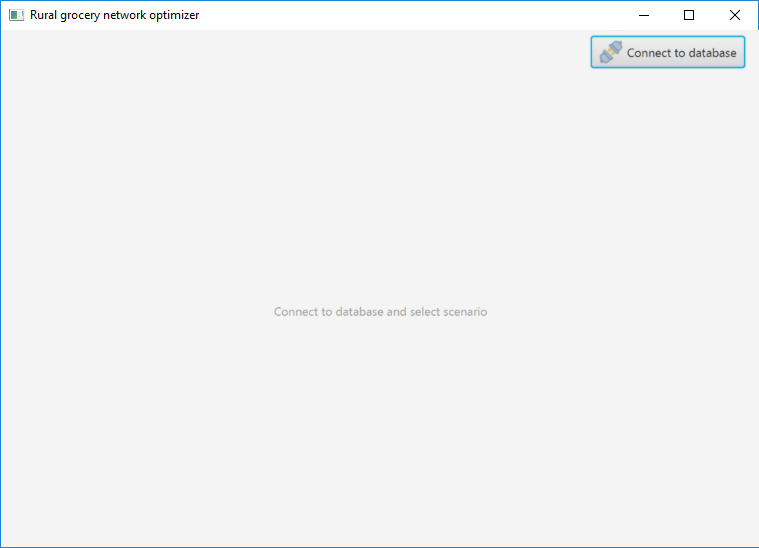
Rural Grocery Network Optimizer

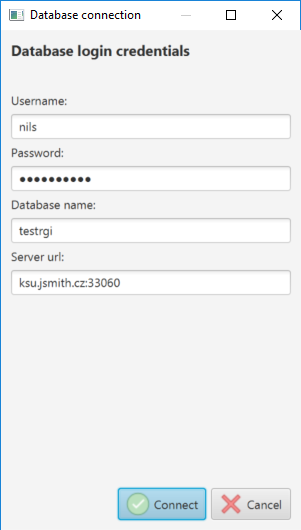
User Documentation

1. Connecting to the database

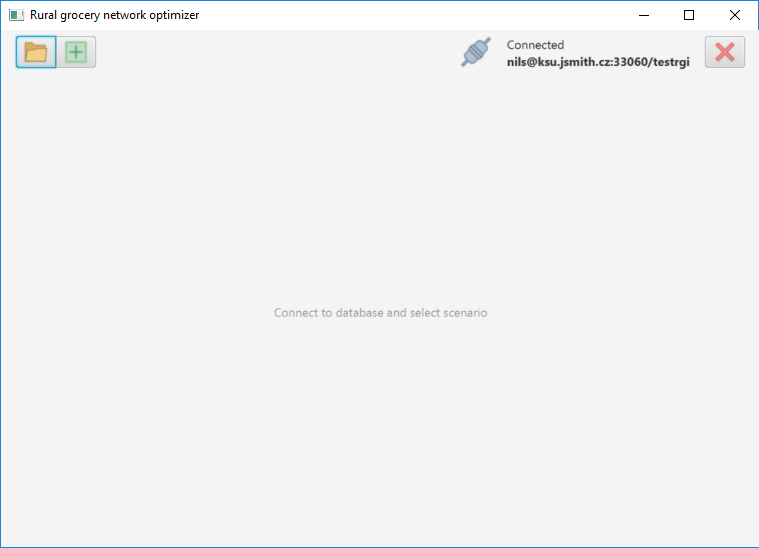
Open the application and click the “Connect to Database” button



On the ensuing popup, enter your credentials as well as the database name and server url. Click the connect button to make the connection



If you are successfully connected, you should be presented with the main menu of the application with your connection information in the top right corner. Click the red X button to close the connection.

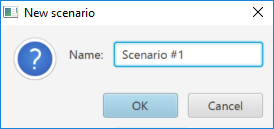


1. Scenarios

Scenarios are used to store and manipulate data about a network of grocery stores. It will use this data to determine optimal distribution networks.

* 1. Creating a scenario

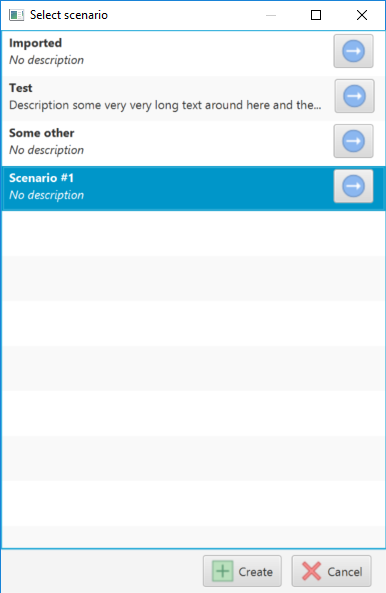
To create a scenario, click the green plus button on the upper left corner of the main



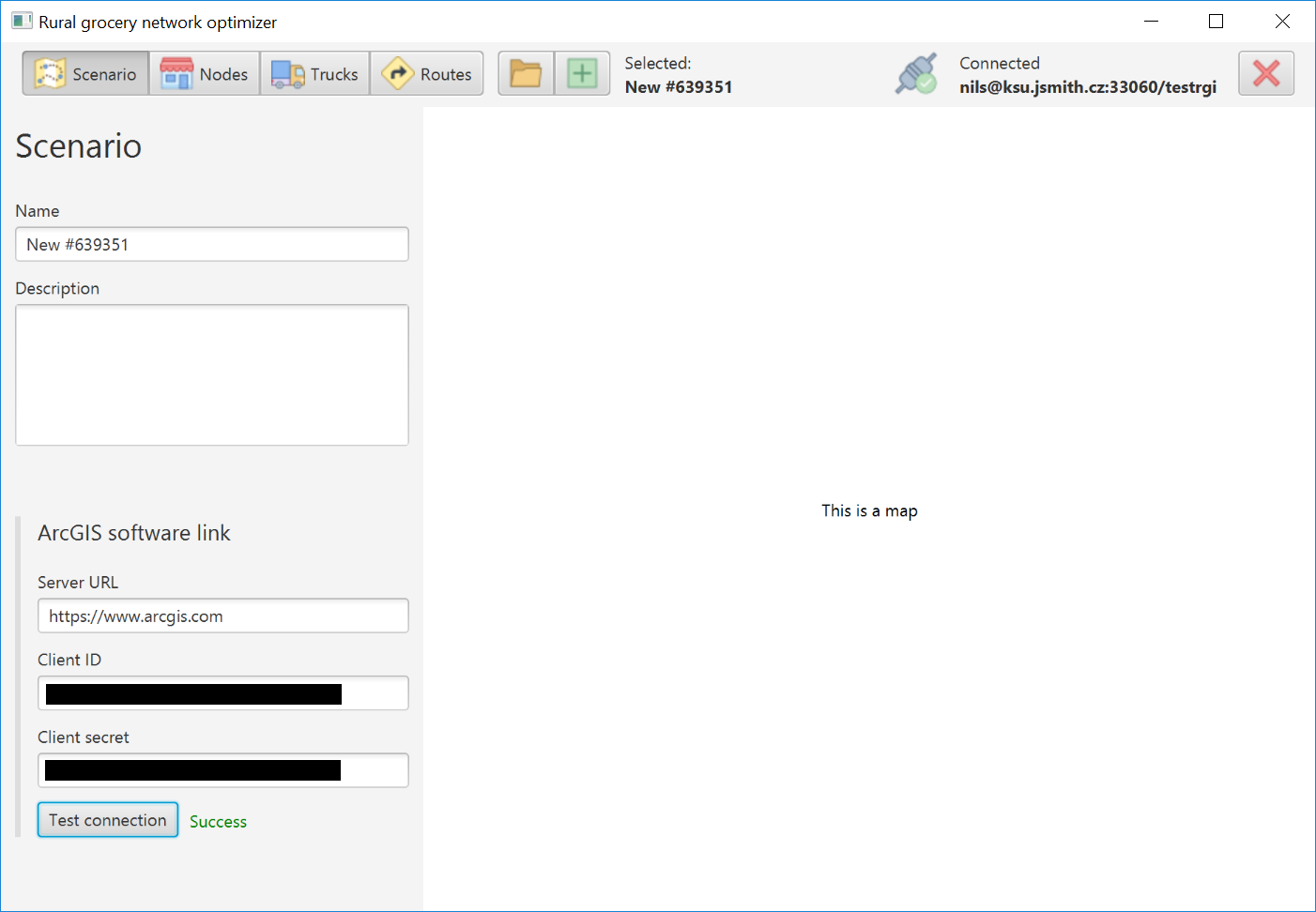
Name the scenario and press OK to create it. This will take you to the Scenario page

* 1. Opening a scenario

To open an existing scenario, click the folder button to open the Select Scenario screen. Click the blue arrow to the right of a scenario to open it.

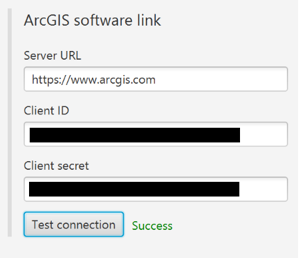


* 1. Scenario Overview



When a scenario is loaded, this screen will be displayed to provide the user the with an overview of the scenario.

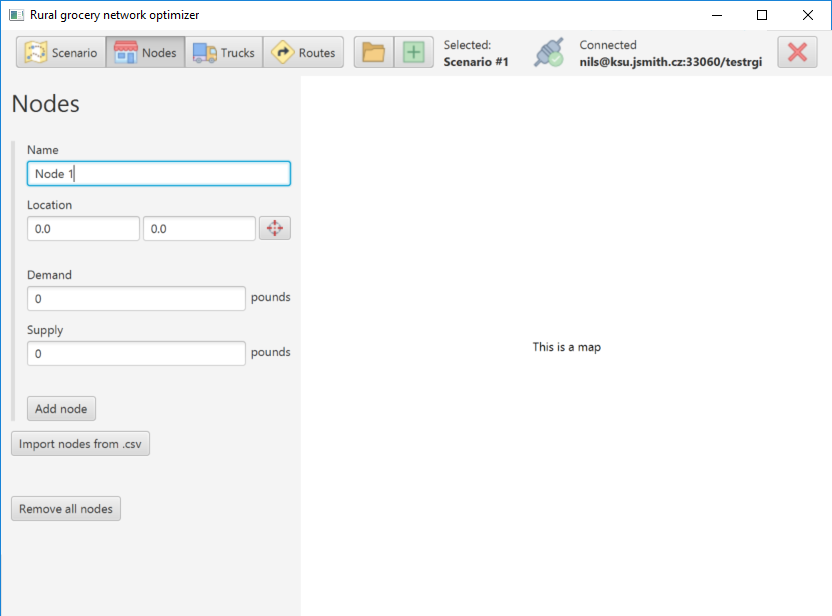
ArcGIS Software Link



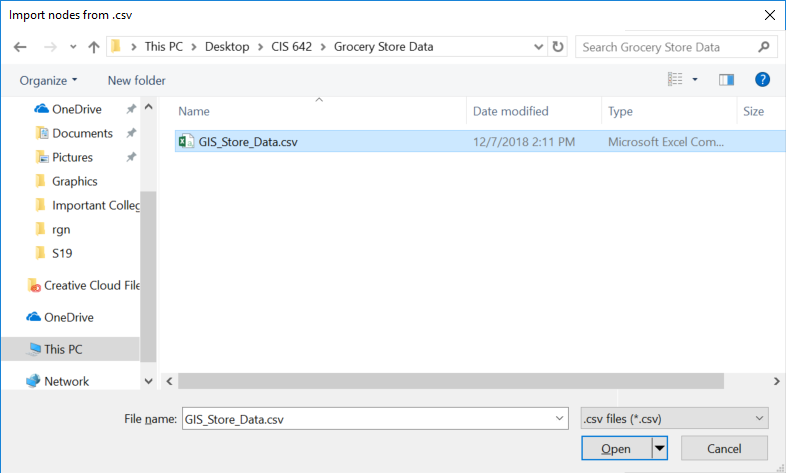
ArcGIS is the technology behind the routing capabilities of the application. The application uses a web interface to interact with ArcGIS, and an ID and access token are required to access the ArcGIS server. Enter the ArcGIS web server along with those credentials here and click the Test Connection button to see if your connection is functioning properly. It tests this by using the Client ID and Client Sectret to retrieve an ArcGIS temporary token from the main ArcGIS API.

* 1. Nodes

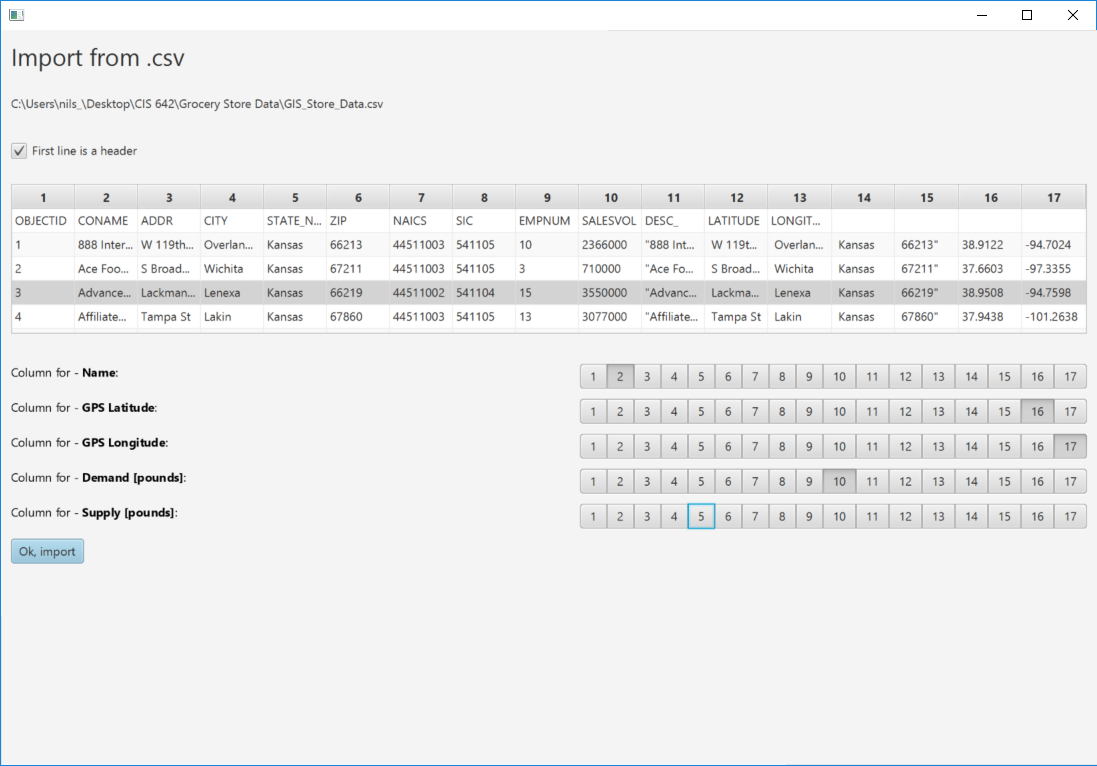
A node represents a grocery store or distribution center to be used in the calculations for the application. One can manually enter nodes via the main nodes page or mass import node data from a .csv file.



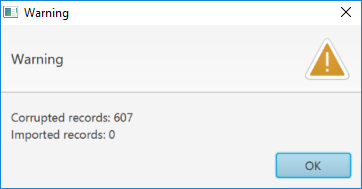
To import nodes from a .csv file, click the Import nodes from .csv button, which will open a file selection prompt. Select the .csv file you wish to import data from.



Clicking the open button when you have your data selected will prompt you with the Import from .csv dialogue. In this you can select which columns correspond to the data needed for a node object. If the spreadsheet doesn’t have a particular field (in the example below, supply), click a selected column number to deselect it.

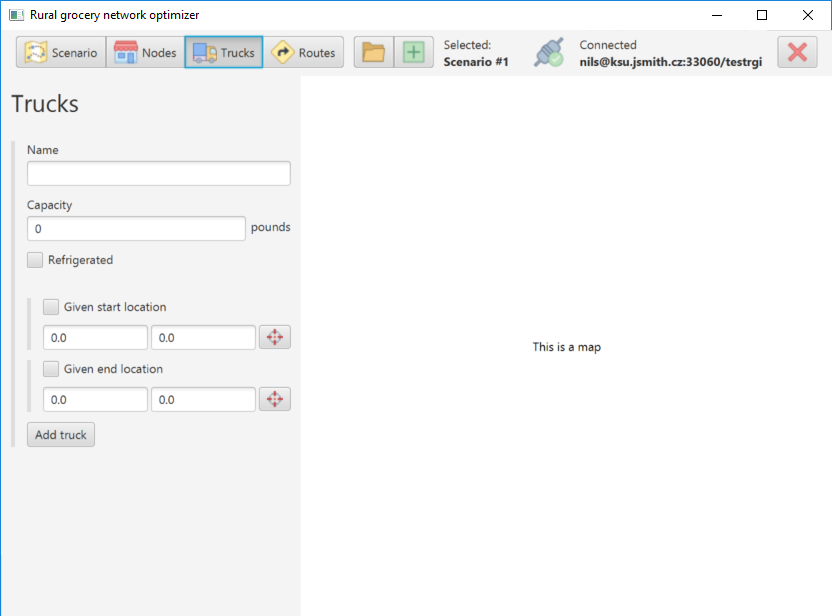


Once the desired columns are selected, a message will appear to the user indicating how many nodes were successfully created from the data.



* 1. Trucks

This page outlines a truck that is available to transport groceries. Enter the information for a truck and click the Add Truck button to add it to the database



* 1. Routes

Click the calculate button on this page to calculate the best route to take while distributing groceries in your network.

