Dummy ServiceBroker Database

[DummyServiceBrokerDatabase.htm - uqlpayne 29 Jul 2013]

## Contents

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Requirements

- *PostgreSQL 9.2* is installed and running.

- The *UQ-iLab-BatchLabServer-Java* GitHub repository has been downloaded as a ZIP file from:

  `https://github.com/uqlpayne/UQ-iLab-BatchLabServer-Java`

PostgreSQL pgAdmin III

- Run the PostgreSQL *pgAdmin III* program.

- In the *Object browser* panel, right-click *PostgeSQL 9.2 (localhost:5432)* and select *Connect* from the popup menu to display the *Connect to Server* window.
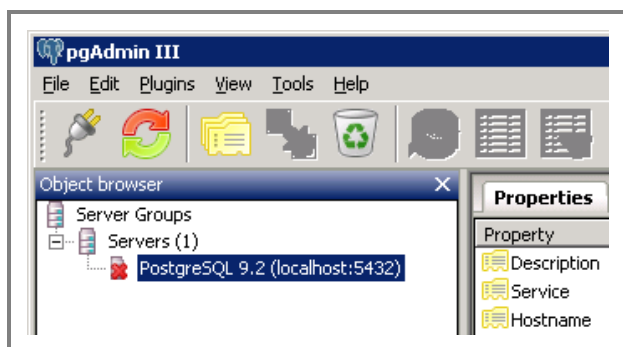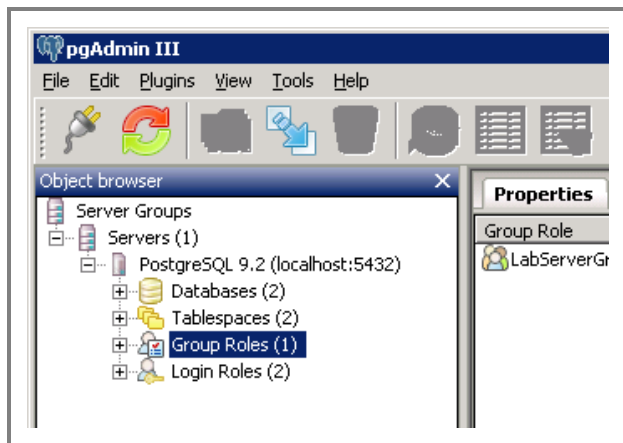

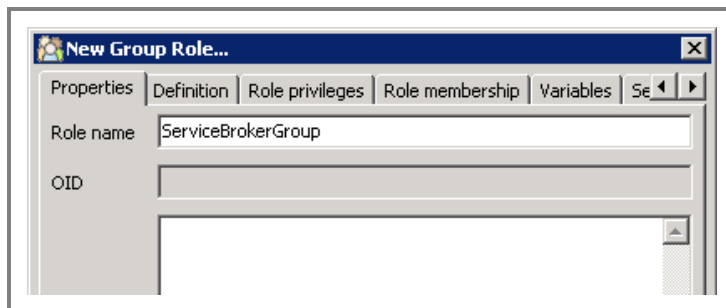 Enter the password for the user *postgres* and click the *OK* button.
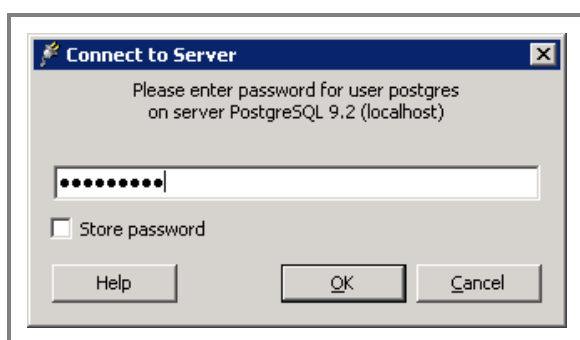
Create Group Role

- In the *Object browser* panel, right-click *Group Roles* and select *New Group Role...* from the popup menu to display the *New Group Role...* window.
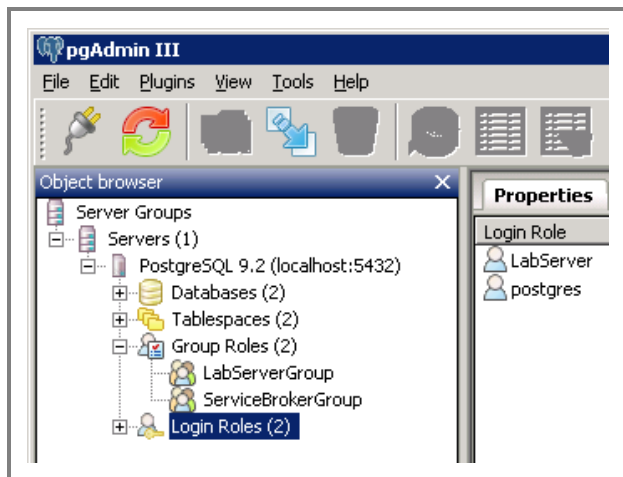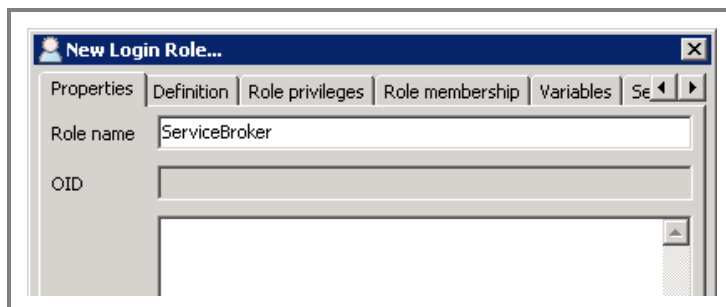
For *Role name*, enter `ServiceBrokerGroup`.

Click the *OK* button to close the *New Group Role...* window.
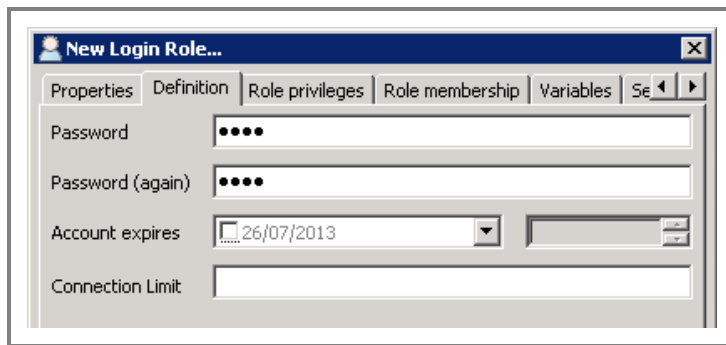

Create Login Role

- In the *Object browser* panel, right-click *Login Roles* and select *New Login Role...* from the popup menu to display the *New Login Role...* window.
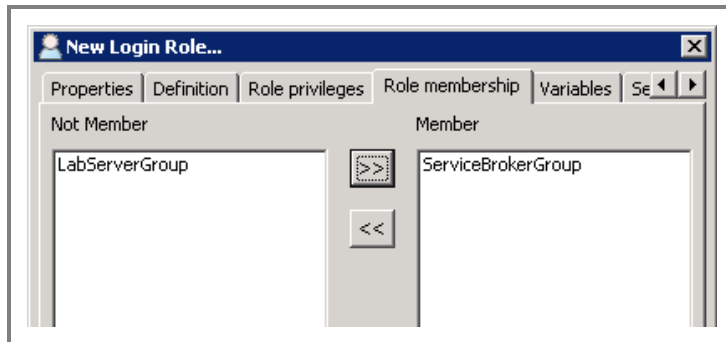

Select the *Properties* tab. For *Role name*, enter `ServiceBroker`.

Select the *Definition* tab. For *Password* and *Password (again)*, enter `ilab`.
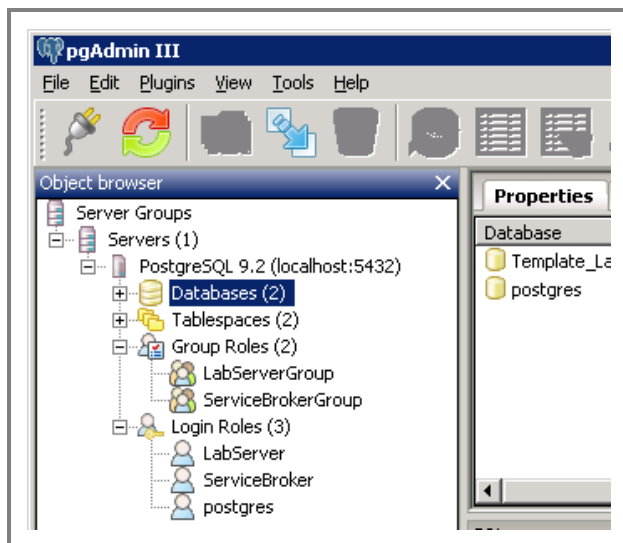
Select the *Role membership* tab. In the left panel under *Not Member*, select *ServiceBrokerGroup* and click the >> button.
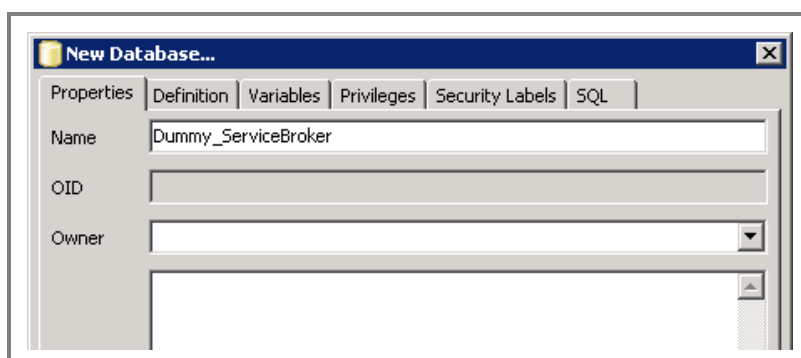

Click the *OK* button to save the changes and close the *New Login Role...* window.

Create Database

- In the *Object browser* panel, right-click *Databases* and select *New Database...* from the popup menu to display the *New Database...* window.
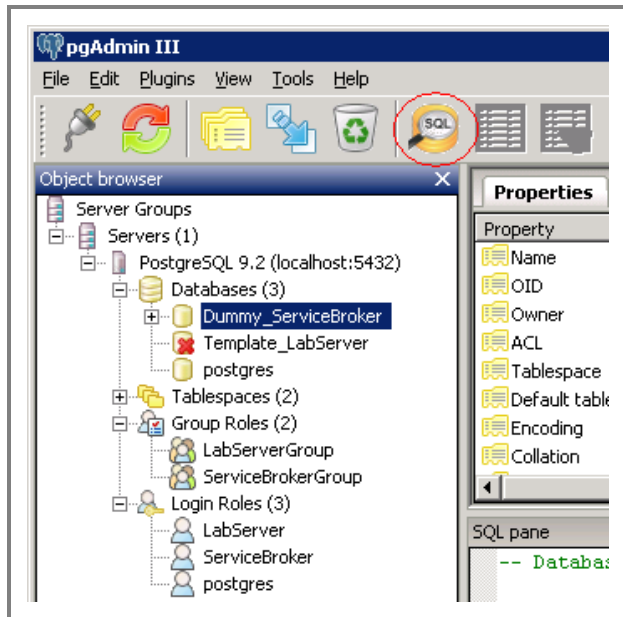

Select the *Properties* tab. For *Name*, enter Dummy_ServiceBroker.

Click the *OK* button to save the changes and close the *New Database...* window.

- In the *Object browser* panel, under *Databases*, click *Dummy_ServiceBroker* and then click the *Execute arbitrary SQL queries* toolbar button to open a *Query* window.

Check that the *Dummy_ServiceBroker* database is selected in the dropdown list. If not, tables and functions will be created or overwritten in the selected database.
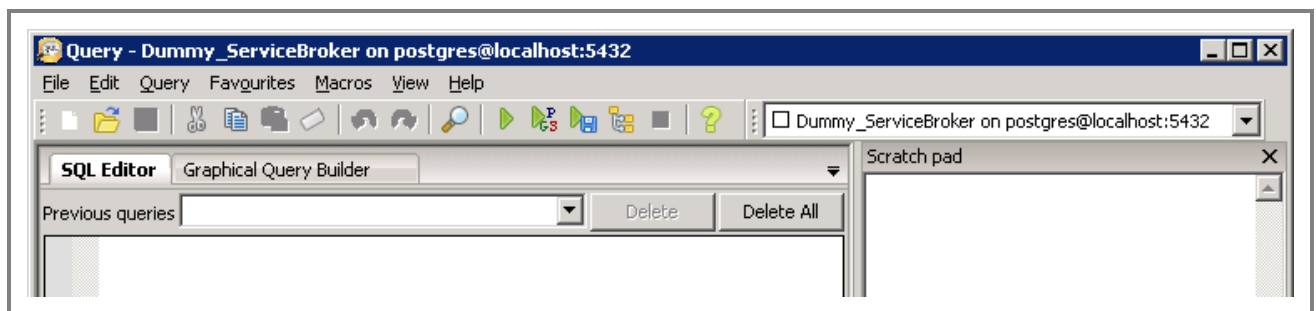

For each of the following SQL scripts in the *UQ-iLab-BatchLabServer-Java/Dummy/Database/PostgreSQL* folder, in the order shown, execute the query by selecting *Query->Execute* from the menu.

1. *ServiceBroker_Tables.sql*
2. *ServiceBroker_Procedures.sql*

All queries should complete successfully producing various results in the *Output pane*. Close the *Query* window.
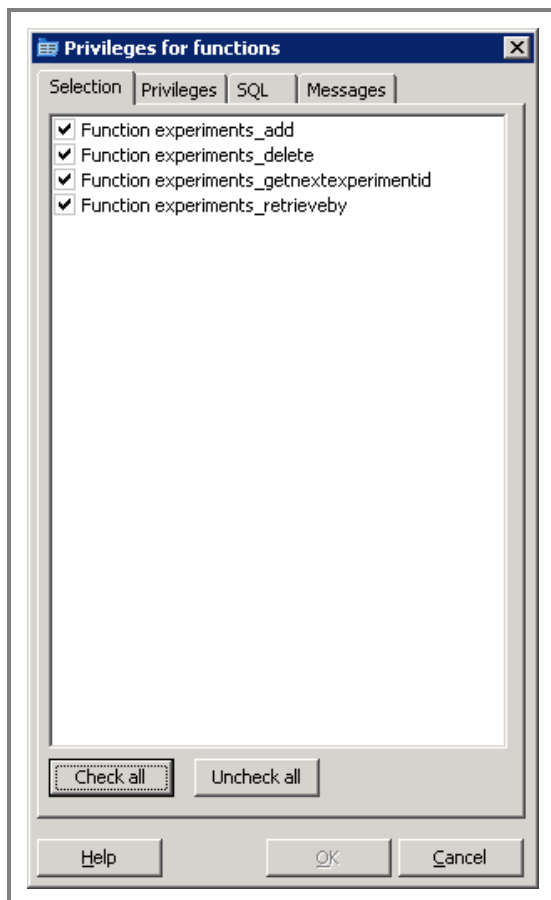

Update Privileges

- In the *Object browser* panel, expand the *Dummy_ServiceBroker* node and then expand the *Schemas* node. Finally, expand the *public* node so that *Functions*, *Sequences* and *Tables* are visible.
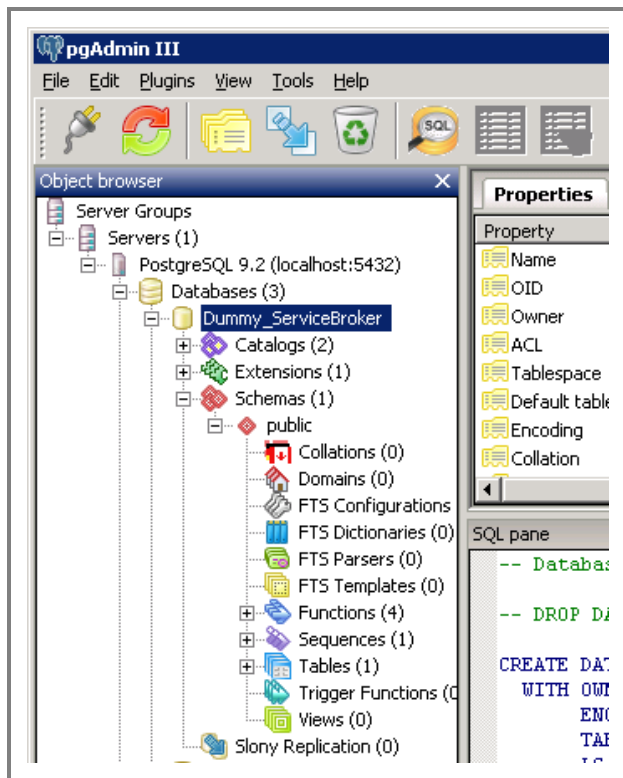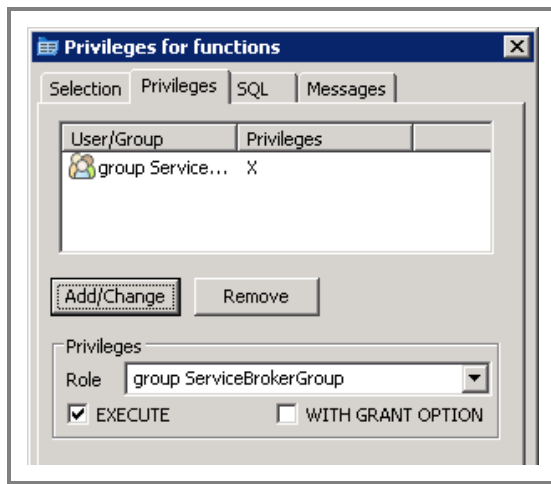
Right-click *Functions* and select *Grant Wizard...* from the popup menu to display the *Privileges for functions* window.

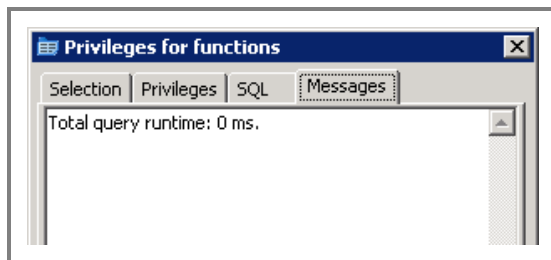Select the *Selection* tab and click the *Check all* button.

Select the *Privileges* tab. In the *Privileges* field, select *group ServiceBrokerGroup* from the dropdown list and check *EXECUTE*.

Click the *Add/Change* button.

Click the *OK* button to save the changes.

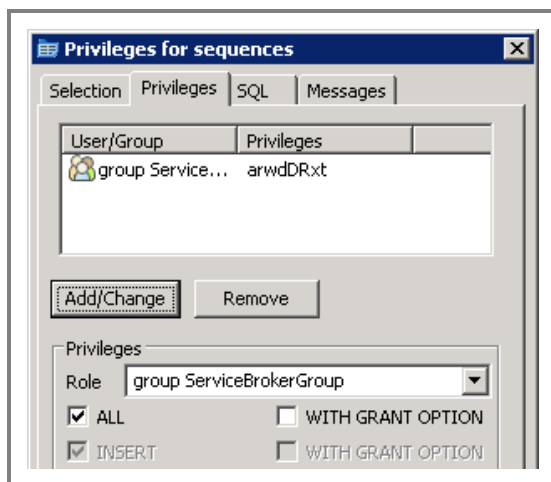Click the *Done* button to close the *Privileges for functions* window.

- In the *Object browser* panel, right-click *Sequences* and select *Grant Wizard...* from the popup menu to display the *Privileges for sequences* window.

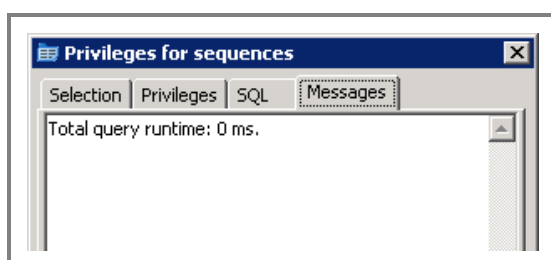 Select the *Selection* tab and click the *Check all* button.

  Select the *Privileges* tab. In the *Privileges* field, select *group ServiceBrokerGroup* from the dropdown list and check *ALL*.
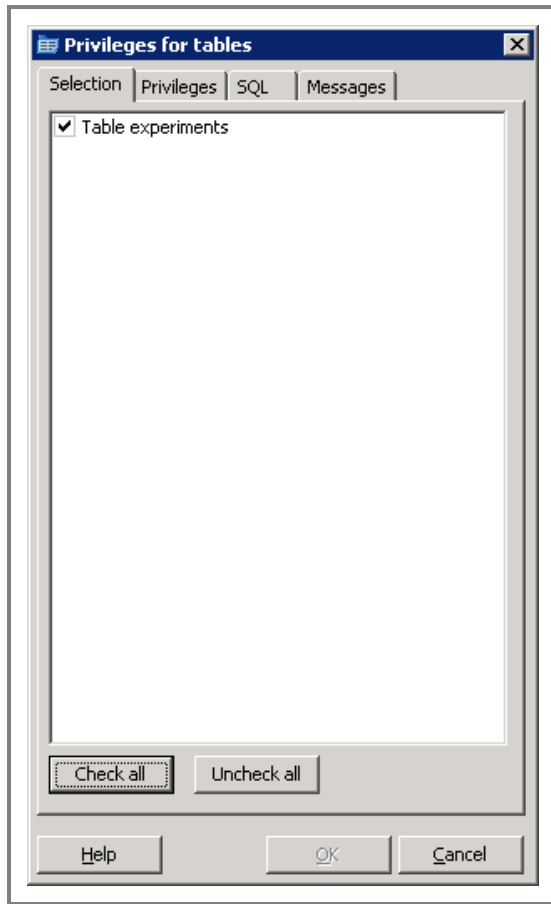
  Click the *Add/Change* button.

  Click the *OK* button to save the changes.

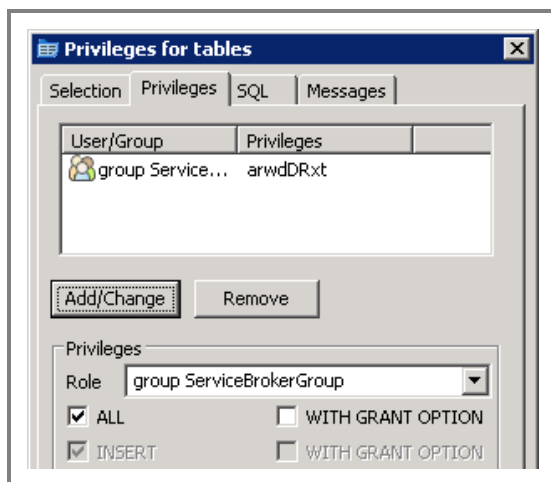 Click the *Done* button to close the *Privileges for sequences* window.

- In the *Object browser* panel, right-click *Tables* and select *Grant Wizard...* from the popup menu to display the *Privileges for tables* window.

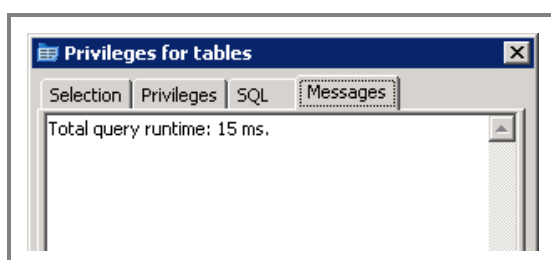 Select the *Selection* tab and click the *Check all* button.

  Select the *Privileges* tab. In the *Privileges* field, select *group ServiceBrokerGroup* from the dropdown list and check *ALL*.

  Click the *Add/Change* button.

  Click the *OK* button to save the changes.

  Click the *Done* button to close the *Privileges for tables* window.

That's it.