

SDD - SQL DATABASE DEVELOPER

Quick Configuration



SDD – SQL Database Developer - Quick Configuration

This document presents a sequence for creating the necessary records to have a database ready to use after installation. The meaning of the fields present in the pages is described in the SDD document.

This sequence assumes the the SDD application is started using the line:

```
java -Dspring.config.location=<setup folder>\sdd.properties  
-Denvironment=DEVELOPMENT -jar SDD.war
```

where **<setup folder>** is the folder that contains the sdd.properties copied from GitHub and adapted to meet the current environment.

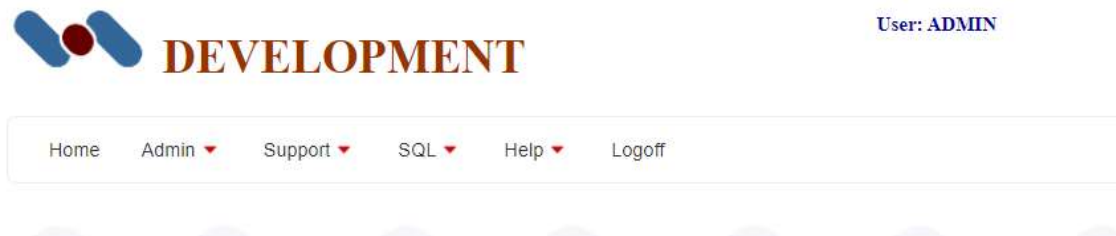
The first page sent is the login page. In this case, the only user that can be used is the **ADMIN**, and the password is **admin**, inserted as part of the installation.

The environment is displayed on this page and this environment must be defined after the login.



The image shows a login form titled "Sql Database Developer Login - DEVELOPMENT". It features a blue header with a logo consisting of two blue rounded rectangles and a red circle. Below the header, there are two input fields labeled "User" and "Password", followed by an "OK" button.

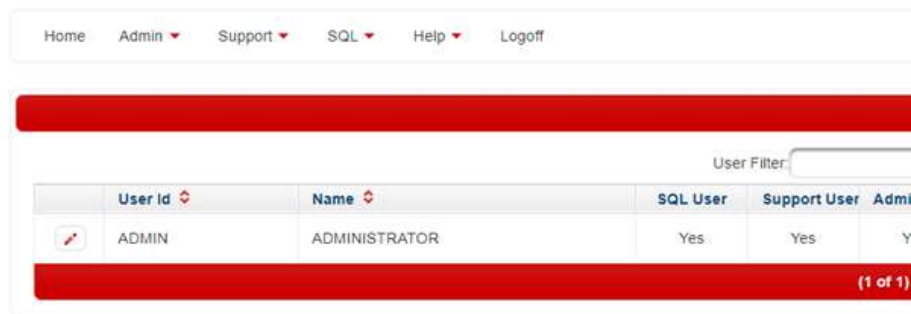
If the username and password are informed correctly, the menu page is displayed. The corresponding environment is displayed in the upper left corner of the page and the current user is displayed in the upper right corner.



The image shows the menu page of the SDD application. It features a blue header with the logo and the word "DEVELOPMENT" in large, bold, orange letters. In the top right corner, it says "User: ADMIN". Below the header, there is a navigation bar with links: Home, Admin (with a dropdown arrow), Support (with a dropdown arrow), SQL (with a dropdown arrow), Help (with a dropdown arrow), and Logoff. Below the navigation bar, there are several light blue rounded rectangles.

The only information present in the database is the record related to the user ADMIN. Selecting the menu **Admin** and the option **Users**, the **Users** query page is displayed with only one record.

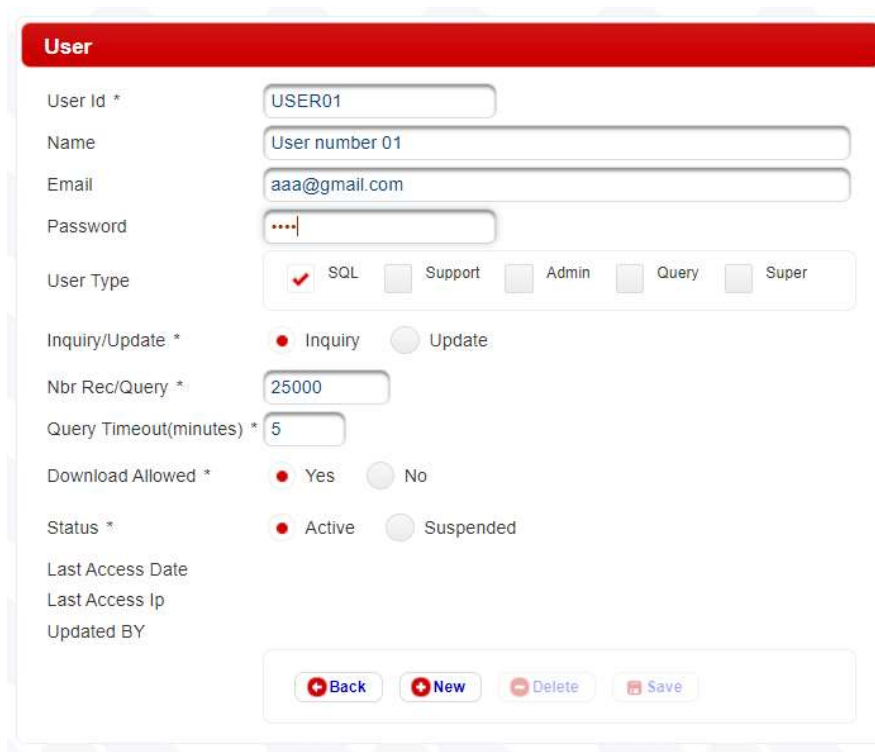
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The screenshot shows the top navigation bar with links: Home, Admin, Support, SQL, Help, and Logoff. Below is a red header bar. A 'User Filter' input field is present. The main table has columns: User Id, Name, SQL User, Support User, and Admin. It contains one row for the user 'ADMIN' with name 'ADMINISTRATOR'. The table indicates '(1 of 1)' records.

User Id	Name	SQL User	Support User	Admin
ADMIN	ADMINISTRATOR	Yes	Yes	Y

To see the user details, click on the first button in the row and the user page is displayed.



The 'User' configuration page shows details for 'USER01'. Fields include Name (User number 01), Email (aaa@gmail.com), Password (masked), User Type (SQL selected), Inquiry/Update (Inquiry selected), Nbr Rec/Query (25000), Query Timeout(minutes) (5), Download Allowed (Yes selected), Status (Active selected), Last Access Date, Last Access Ip, and Updated BY. Action buttons at the bottom are Back, New, Delete, and Save.

User Id *	USER01
Name	User number 01
Email	aaa@gmail.com
Password
User Type	<input checked="" type="checkbox"/> SQL <input type="checkbox"/> Support <input type="checkbox"/> Admin <input type="checkbox"/> Query <input type="checkbox"/> Super
Inquiry/Update *	<input checked="" type="radio"/> Inquiry <input type="radio"/> Update
Nbr Rec/Query *	25000
Query Timeout(minutes) *	5
Download Allowed *	<input checked="" type="radio"/> Yes <input type="radio"/> No
Status *	<input checked="" type="radio"/> Active <input type="radio"/> Suspended
Last Access Date	
Last Access Ip	
Updated BY	

Back New Delete Save

Selecting the menu **Admin**, the first information must be created, the **DEVELOPMENT** environment. Select **Environments** and an empty environments query page is displayed.

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Environments				
<div><div>Refresh</div><div>Add New Environment</div></div>				
Environment	Description	Daemon Status	Background Timeout	Block SQL
No records found.				
<div>(1 of 1)<div><<<>>></div></div>				

By pressing the button **Add New Environment** the environment page is sent. Enter the desired information and press **New**. The environment record is created.

Environment

Environment Name *

Development

Description *

DEVELOPMENT

Deamon Status *

Active

Suspended

Background Query Timeout(min) *

30

Suspend Pending Queries *

Yes

No

Block Background Queries *

Yes

No

Download Allowed *

Yes

No

Status *

Active

Suspended

Updated Date

Updated BY

Back

New

Delete

Save

The name of the environment must be the same as the text used in the SWENV variable.



Home Admin Support SQL Help Logoff

The next step is to create a hostname. In the **Admin** menu, select **Hostnames**. The hostnames query page is displayed and is empty.

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Hostnames

[Refresh](#) [Add New Hostname](#)

Host Name	Server Name	Status	Last Update	Updated By
No records found.				

(1 of 1) [Previous](#) [Next](#)

By pressing the **Add New Hostname** button, the hostname page is sent. The **Host Name** can be the network name or an alias. The **Server Name** must be the name that the server is known to over the network.

Hostname

Host Name

DEV

Server Name

10.5.12.102

Limit of Concurrent Users

10

Number of Background Queries

1

Max. Number of Records Returned

10000

Connection Timeout

300

Directory for Background Results

D:\projects\files

Retention for Background Query files

7

Background Run During the Day

☒ Yes ☐ No

Download Allowed *

☒ Yes ☐ No

Status *

☒ Active ☐ Suspended

Updated Date

Updated BY

[Back](#) [New](#) [Delete](#) [Save](#)

The next step is related to the database to be accessed. The configuration is made by selecting the menu **Admin** and the **Databases** option. The databases query page is displayed.

Databases

Hostname: Database: [Search](#) [Add New Database](#)

Database Name	Host Name	DB Type	Status	Last Update
No records found.				

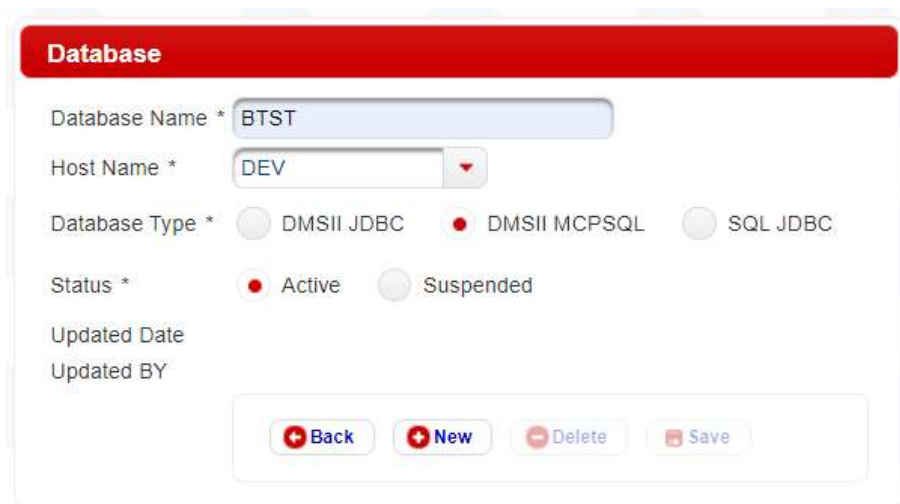
(1 of 1) [Previous](#) [Next](#)

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By pressing the Add New Database, the database page is shown. To define a database, it is necessary to define the **Database Name** and the **Host Name**.

If the database type is **DMSII MCPSQL**, the database name must have the same name defined in the **MCPSQL/CONFIG** file. The file **mcpsql.properties** must be present in the **SWDIR_SETUP** folder. GitHub has a sample of this file (**mcpsql.properties**).

If the database type is DMSII JDBC, the database name must have the name used in the configuration file stored in the folder pointed by the **SWDIR_SETUP** environment variable. If the database name is **DBTST**, the file **DBTST.properties** must be present in the **SWDIR_SETUP** folder. GitHub has a sample of this file named DMSII_JDBC.properties.



The screenshot shows a web form titled "Database" with a red header. The form contains the following fields and options:

- Database Name ***: A text input field containing "BTST".
- Host Name ***: A dropdown menu with "DEV" selected.
- Database Type ***: Three radio buttons: "DMSII JDBC" (unselected), "DMSII MCPSQL" (selected), and "SQL JDBC" (unselected).
- Status ***: Two radio buttons: "Active" (selected) and "Suspended" (unselected).
- Updated Date**: A label with no input field.
- Updated BY**: A label with no input field.
- Buttons**: Four buttons at the bottom: "Back" (with a plus icon), "New" (with a plus icon), "Delete" (with a minus icon), and "Save" (with a save icon).

Roles are used to creating a profile and all users who are assigned to that role will have the privilege to access all databases included in the role.

Selecting the **Admin** menu and the **Roles** option, the roles query page is displayed.

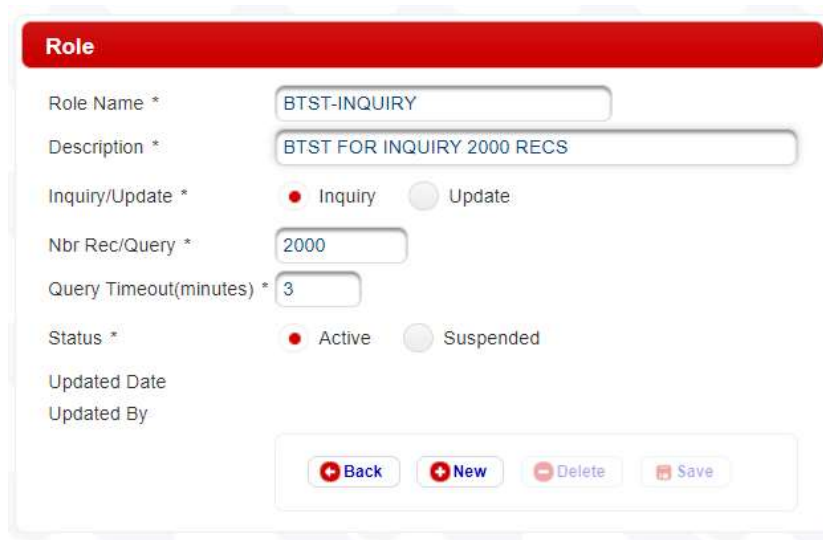


The screenshot shows a web page titled "Roles" with a red header. The page contains a search bar and a table:

- Search Bar**: A text input field labeled "Role:" with a "Search" button (magnifying glass icon) and an "Add New Role" button (plus icon).
- Table**: A table with three columns: "Role Name", "Description", and "Nbr Rec/Qry". The table is currently empty, showing "No records found." at the bottom.
- Footer**: A red bar at the bottom with the text "(1 of 1)" and navigation buttons (back, forward, etc.).

By pressing the **Add New Role** button, the role page is displayed. Enter the desired values in the fields and press **New**.

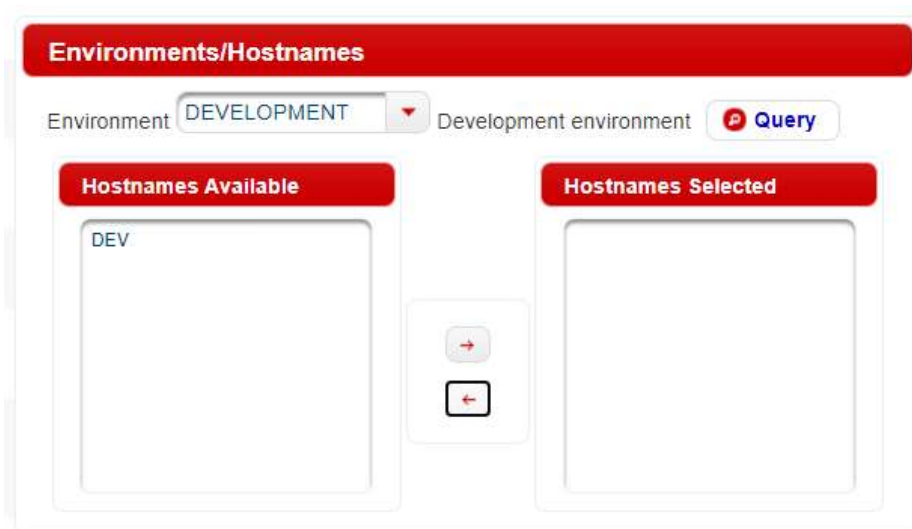
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The screenshot shows a web form titled "Role" with a red header. The form contains the following fields and controls:

- Role Name ***: Text input field containing "BTST-INQUIRY".
- Description ***: Text input field containing "BTST FOR INQUIRY 2000 RECS".
- Inquiry/Update ***: Two radio buttons, "Inquiry" (selected) and "Update".
- Nbr Rec/Query ***: Text input field containing "2000".
- Query Timeout(minutes) ***: Text input field containing "3".
- Status ***: Two radio buttons, "Active" (selected) and "Suspended".
- Updated Date**: Text input field (empty).
- Updated By**: Text input field (empty).
- Buttons**: Four buttons at the bottom: "+ Back", "+ New", "- Delete", and "Save".

After finishing the first part, the relations must be defined. First, let's defined which mainframes are part of the environment. Select the option Environment/Hostnames in the Admin menu and the page will be displayed. The combo box has a list of all environments and selects the DEVELOPMENT environment from the list.



The screenshot shows a web form titled "Environments/Hostnames" with a red header. The form contains the following elements:

- Environment**: A dropdown menu showing "DEVELOPMENT".
- Development environment**: A text label next to the dropdown.
- Query**: A button with a magnifying glass icon.
- Hostnames Available**: A red header for a list box containing the text "DEV".
- Hostnames Selected**: A red header for an empty list box.
- Move Buttons**: Two buttons between the list boxes: a right arrow button (top) and a left arrow button (bottom).

The mainframe **DEV** is the only mainframe defined. To include this mainframe, press over the hostname **DEV** on the left list and press the button to move it to the right.

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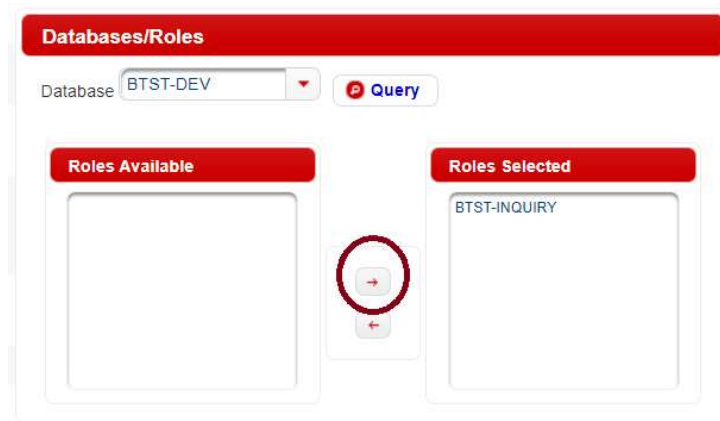
The screenshot shows the 'Environments/Hostnames' configuration window. At the top, there is a red header bar with the title 'Environments/Hostnames'. Below the header, there is a dropdown menu for 'Environment' set to 'DEVELOPMENT', followed by the text 'Development environment' and a 'Query' button. The main area is divided into two columns: 'Hostnames Available' on the left and 'Hostnames Selected' on the right. The 'Hostnames Available' column is currently empty. The 'Hostnames Selected' column contains the text 'DEV'. Between the two columns, there are two buttons: a right-pointing arrow and a left-pointing arrow.

The next relation is Databases/Roles. Select the corresponding option in the **Admin** menu
Select the database using the combo box and the roles available will be listed on the left side.

The screenshot shows the 'Databases/Roles' configuration window. At the top, there is a red header bar with the title 'Databases/Roles'. Below the header, there is a dropdown menu for 'Database' set to 'BTST-DEV', followed by the text 'Database' and a 'Query' button. The main area is divided into two columns: 'Roles Available' on the left and 'Roles Selected' on the right. The 'Roles Available' column contains the text 'BTST-INQUIRY'. The 'Roles Selected' column is currently empty. Between the two columns, there are two buttons: a right-pointing arrow and a left-pointing arrow.

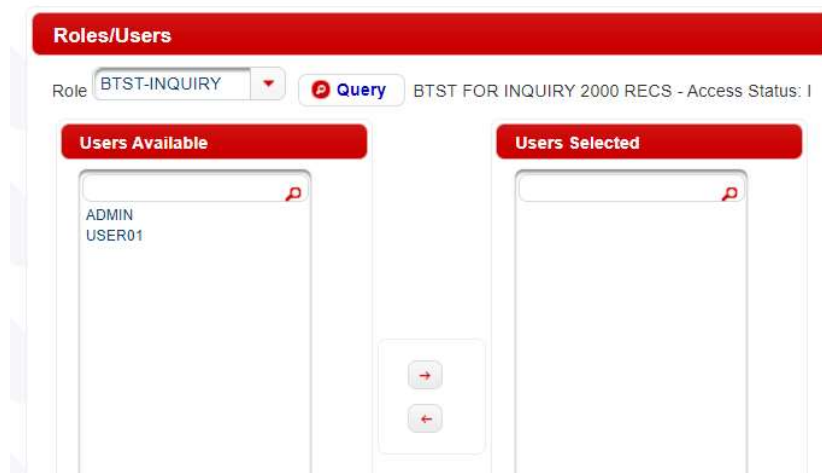
Press over the role name and click the button to move it to the right list.

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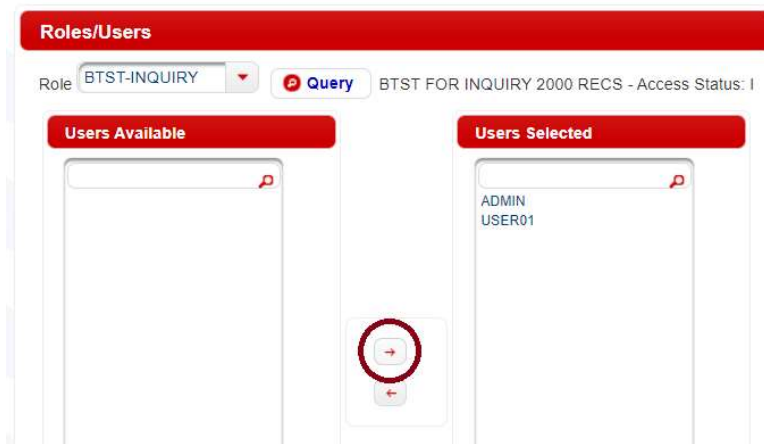
The next step is to create permission for the user **ADMIN**. Currently, **ADMIN** is an admin user but does not have access to any databases. Select the option **Roles/Users** in the **Admin** menu and the corresponding page will be displayed.

The combo box has all roles available. Select the role BTST-INQUIRY and the available users are displayed in the left list.



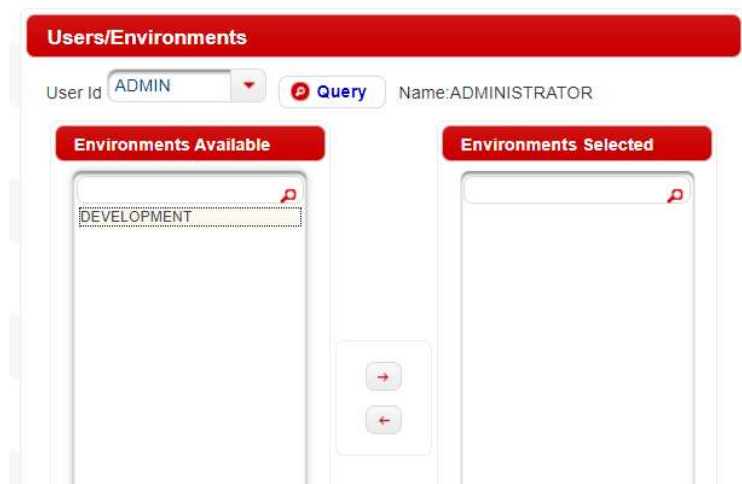
Select the users you want to assign to this role and press the button to move them to the right list. With this action, **ADMIN** and **USER01** can access the database **BTST** in inquiry mode but only 2.000 records are in a result.

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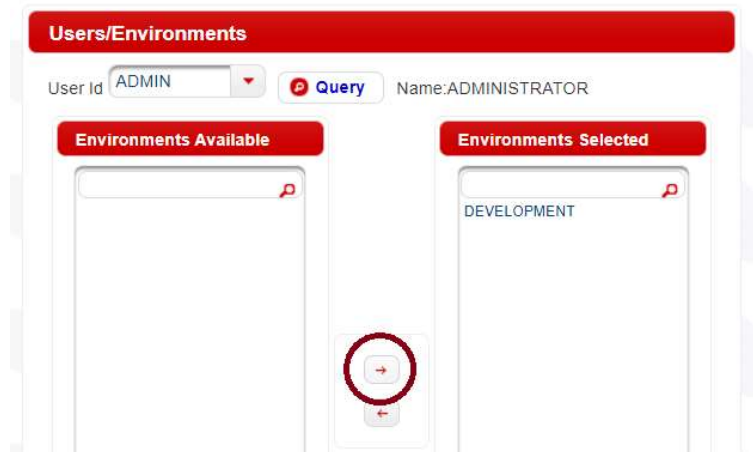
The last relation is to assign users to environments. This allows the user to access databases defined in that environment.

Select the option **Users/Environment** in the **Admin** menu and the page will be displayed.



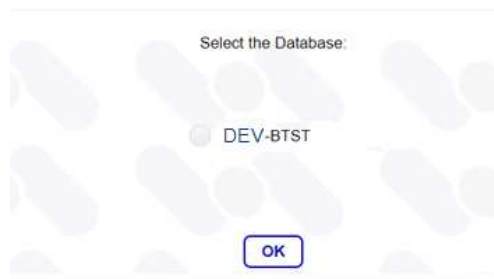
Proceed using the same operation as the previous page to assign the **DEVELOPMENT** environment to the user **ADMIN**.

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Now the security configuration has been done. You can connect using USER01 to use the SQL Worksheet page to submit queries to the BTST database.

Select the option **SQL Worksheet** in the **SQL** menu. As no database has been selected yet, the **Select Database** page is displayed and all databases available to the connected user are listed.



Select the database **BTST** from the **DEV** mainframe and click **OK**.

The SQL Worksheet page is displayed.

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Sql Text

Save Query as: Save Query Clear Text Show Tables

Execute CSV File Commit Rollback Background Query Execution time: 0,000 s

You can use the query text to type your SQL statement. By pressing the Execute button, the query is processed and the grid contains the result of the query.

Sql Text

Save Query as: Save Query Clear Text Show Tables

select * from clien

Execute CSV File Commit Rollback Background Query Execution time: 9,497 s

SEQ	CLIENT_ID	CLIENT_NAME	ADDRESS	CITY	STATE	COUNTRY	CREDIT_LIMIT
1	1	CLIENT NO. 1	1234, 2ND AVENUE	NEW YORK	NY	USA	1000.00
2	2	CLIENT NO. 2	100, BISCAINE BLVD	MIAMI	FL	USA	1000.00
3	3	CLIENT NO. 3	456, HARTFORD MARRON RD	CHICAGO	IL	USA	3000.00
4	4	CLIENT NO. 4	390, SANTA MONICA BLVD	SANTA MONICA	CA	USA	4000.00