

Project Setup

A hive can have multiple projects setup.

Project Data

- The **project data page** captures general information about the project.
- The information will be stored in the **PM_PROJECT_DATA** table.

The screenshot displays the 'i2b2 Query & Analysis Tool' interface. At the top, the user is logged in as 'i2b2 Admin' and can access 'Message Log', 'Help', and 'Logout'. The left sidebar, labeled 'PM Navigation', lists several options: 'Manage Hive', 'Manage Cells', 'Manage Projects' (which is expanded to show 'i2b2 Demo', 'Params', and 'Users'), 'Manage Users', 'Manage Approvals', and 'Project Requests'. The main content area is titled 'Project > "undefined"' and contains a message: 'Please select which project configuration screen you want to access.' Below this message are several input fields: 'Project Id' (containing 'Demo'), 'Project Name' (containing 'i2b2 Demo'), 'Project Wiki' (containing 'http://www.i2b2.org'), 'Project Key' (empty), 'Project Description' (a large empty text area), and 'Project Path' (containing '/Demo'). At the bottom of the form are three buttons: 'Delete', 'Save Updates', and 'Cancel'.

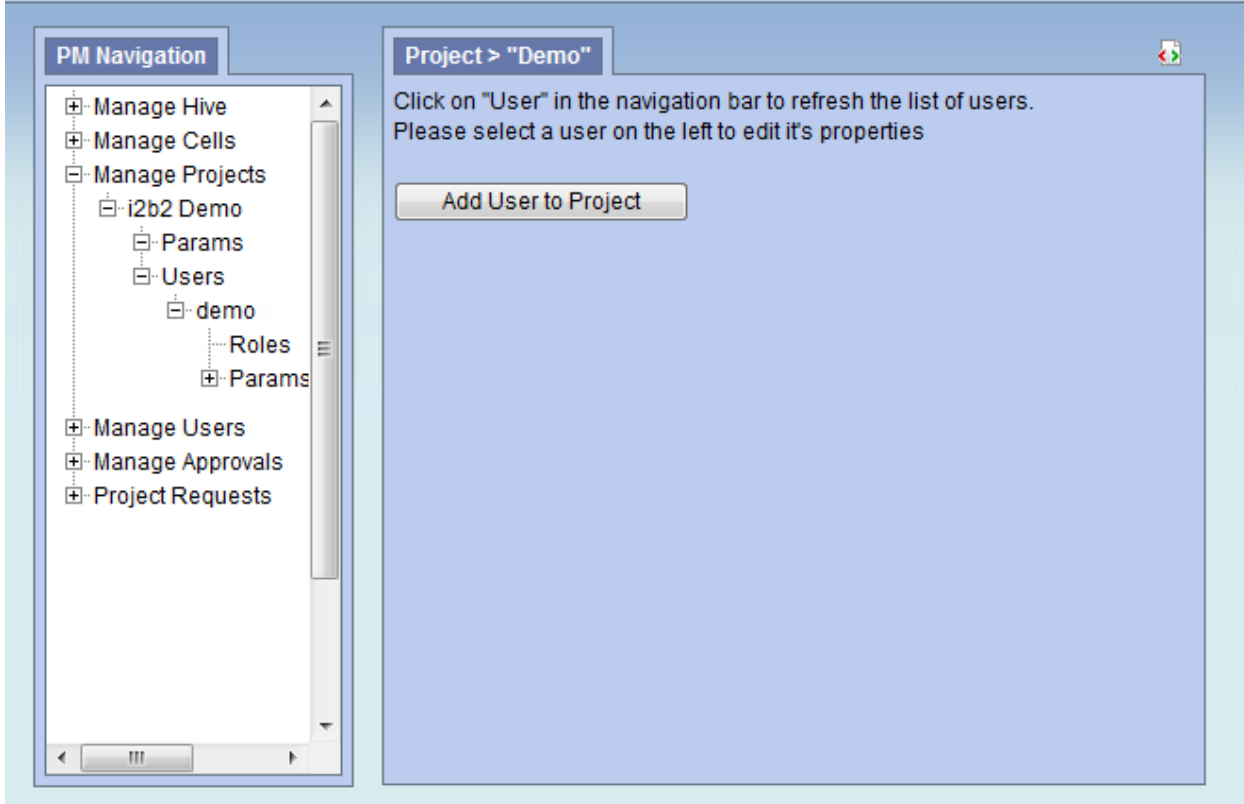
Project Parameters

- Parameters entered here are *specific to the project*.
- The project parameters can be added from the **project parameters page**.
- The information will be stored in the **PM_PROJECT_PARAMS** table.

The screenshot displays the i2b2 Query & Analysis Tool interface. On the left is a 'PM Navigation' sidebar with a tree view containing the following items: Manage Hive, Manage Cells, Manage Projects (expanded to show i2b2 Demo, Params, and Users), Manage Users, Manage Approvals, and Project Requests. The main area is titled 'Parameter List' and contains the following text: 'Click on "Parameter" in the navigation bar to refresh the list of parameters. Please select a parameter on the left to edit it's properties'. Below this text is a button labeled 'Add New Parameter'.

Project Users

- The **project users' page** captures information regarding which users have access to the project and their role. (*see next section for detailed information regarding roles*)
- The information will be stored in the **PM_PROJECT_USER_ROLES** table.



Project User Roles

Each user will have at least two roles per *user_id* and *product_id* combination. These two roles can be further defined as a **Data Protection role** and a **Hive Management role**.

The data protection role establishes the detail of data the user can see while the hive management role defines the level of functionality the user has in a project. The following tables summarize the roles in a hierarchical order of least to most access.

Data Protection Track	
Role	Access Description
DATA_OBFS C	<p>OBFSC = Obfuscated</p> <ul style="list-style-type: none"> The user can see aggregated results that are obfuscated (example: patient count). The user is limited on the number of times they can run the same query within a specified time period. If the user exceeds the maximum number of times then their account will be locked and only the Admin user can unlock it.
DATA_AGG	<p>AGG = Aggregated</p> <ul style="list-style-type: none"> The user can see aggregated results like the patient count. The results are <u>not</u> obfuscated and the user is <u>not</u> limited to the number of times they can run the same query.
DATA_LDS	<p>LDS = Limited Data Set</p> <ul style="list-style-type: none"> The user can see all fields except for those that are encrypted. An example of an encrypted field is the <i>blob fields</i> in the <i>fact</i> and <i>dimension tables</i>.
DATA_DEID	<p>DEID = De-identified Data</p> <ul style="list-style-type: none"> The user can see all fields including those that are encrypted. An example of an encrypted field is the <i>blob fields</i> in the <i>fact</i> and <i>dimension tables</i>.

DATA_PROT	PROT = Protected <ul style="list-style-type: none"> The user can see all data, including the identified data that resides in the Identity Management Cell.
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Hive Management Track	
Role	Access Description
USER	Can create queries and access them if he / she is the owner of the query.
MANAGER	Can create queries as well as access queries created by different users within the project

- Additional roles can be added to the PM_PROJECT_USER_ROLES table but there will not be any recognized hierarchy to those roles.*

Project User Parameters

- Parameters entered here are *specific to the user and the project*.
- The project's user parameters can be added from the **project users' page**. Once you click on a project an additional section for entering the user parameters will appear at the bottom of the page.
- The information will be stored in the **PM_PROJECT_USER_PARAMS** table.

The screenshot displays the i2b2 Query & Analysis Tool interface. At the top, the header includes the tool name "i2b2 Query & Analysis Tool" and navigation links for "Project", "User: i2b2 Admin", "Message Log | Help | Logout".

The interface is divided into two main sections:

- PM Navigation:** A sidebar on the left containing a tree view of project management options:
 - Manage Hive
 - Manage Cells
 - Manage Projects
 - i2b2 Demo
 - Params
 - Users
 - demo
 - Roles
 - Params
 - Manage Users
 - Manage Approvals
 - Project Requests

- Parameter List:** The main content area on the right, titled "Parameter List". It contains the following text:

Click on "Parameter" in the navigation bar to refresh the list of parameters. Please select a parameter on the left to edit it's properties

Below the text is a button labeled "Add New Parameter".