

# Roles

When and how data is presented to a user is based on their user roles, which are specified in the PM Cell. 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_OBFSC	<p>OBFSC = Obfuscated</p> <ul style="list-style-type: none"> <li>The user can see aggregated results that are obfuscated (example: patient count).</li> <li>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.</li> </ul>
DATA_AGG	<p>AGG = Aggregated</p> <ul style="list-style-type: none"> <li>The user can see aggregated results like the patient count.</li> <li>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.</li> </ul>
DATA_LDS	<p>LDS = Limited Data Set</p> <ul style="list-style-type: none"> <li>The user can see all fields except for those that are encrypted.</li> <li>An example of an encrypted field is the <i>blob fields</i> in the <i>fact</i> and <i>dimension tables</i>.</li> </ul>
DATA_DEID	<p>DEID = De-identified Data</p> <ul style="list-style-type: none"> <li>The user can see all fields including those that are encrypted.</li> <li>An example of an encrypted field is the <i>blob fields</i> in the <i>fact</i> and <i>dimension tables</i>.</li> </ul>
DATA_PROT	<p>PROT = Protected</p> <ul style="list-style-type: none"> <li>The user can see all data, including the identified data that resides in the Identity Management Cell.</li> </ul>

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

- Further details regarding roles can be found in the PM\_Design\_Document.*