Archive – Technical Training

Autodesk Topobase Administrator

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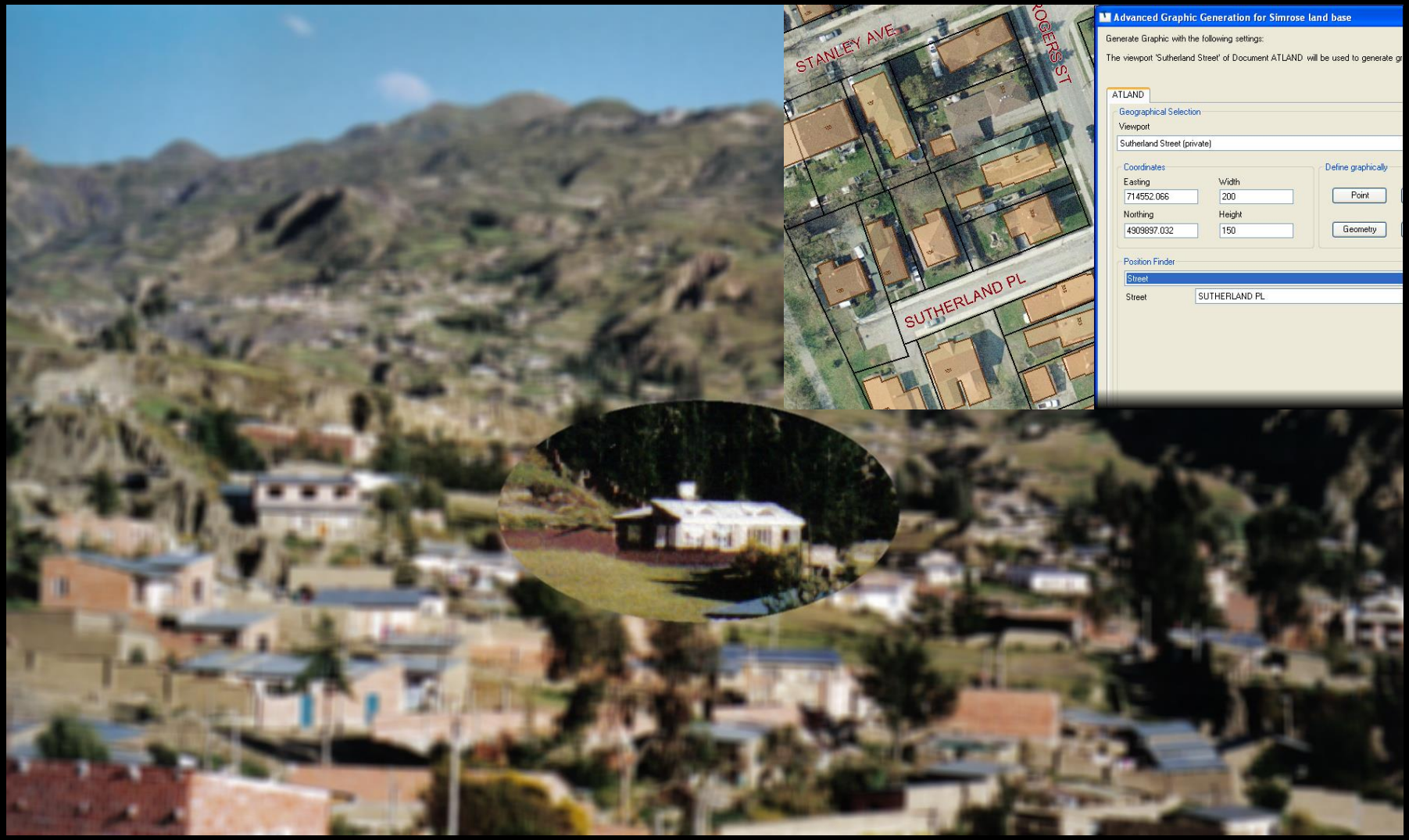

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Chapter Overview

- The document explorer in Topobase Client is an easy way to access tables in the database. This chapter covers the customization of the explorer to show new node items.

- The advanced graphic generation allows the user to zoom in on a specific area based on specific. This chapter covers how to customize the search when generating graphics.

Explorer Configuration and Position Finder

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Chapter Objectives

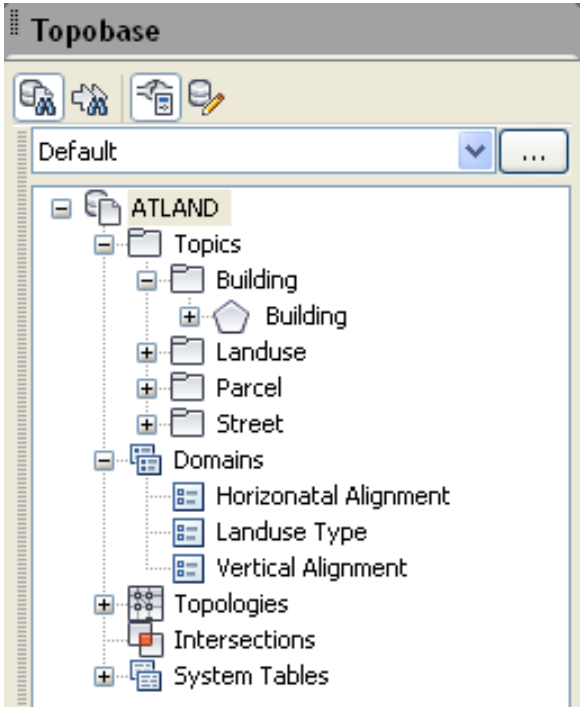
- At the end of this chapter, you will be able to:
  - Extend and configure the Topobase Explorer
  - Understand how to build node items in the explorer
  - Create position finder definitions for the advanced graphic generation in Topobase Client
  - Create different types of position finders
  - Understand the difference between input types in a sequential search

Explorer Configuration

11.2 Explorer Configuration

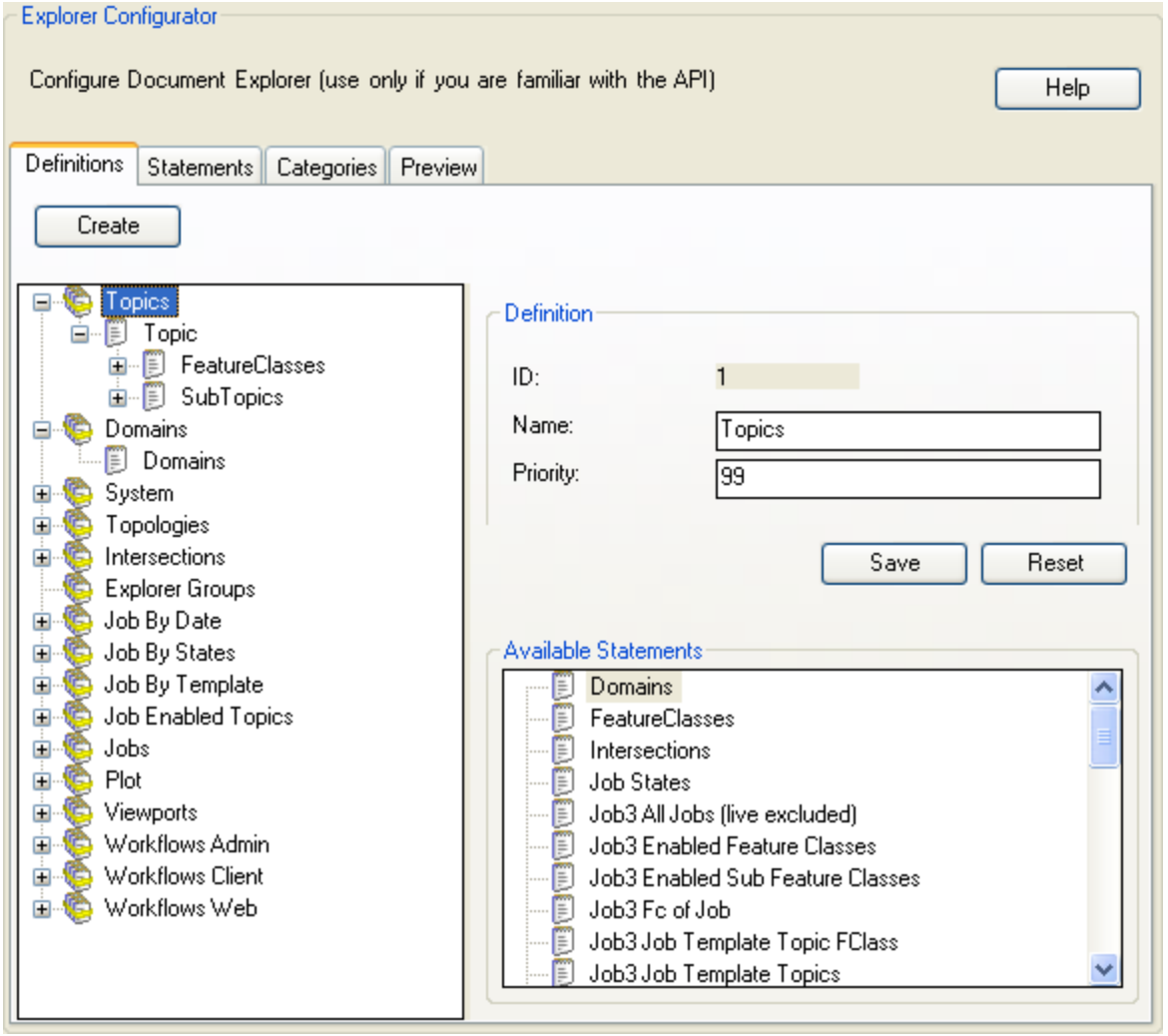
- The Topobase Explorer or Document Explorer displayed in the Client shows the list of topics, feature classes, domains, topologies, intersections, system tables and others.

- The Topobase Administrator allows the extension of the document explorer.



11.2.1 Accessing the Explorer Configuration

- Launch Autodesk Topobase Administrator 2009 and open the **Simrose land base** workspace.
- Select **Document – ATLAND > Explorer Configurator.**



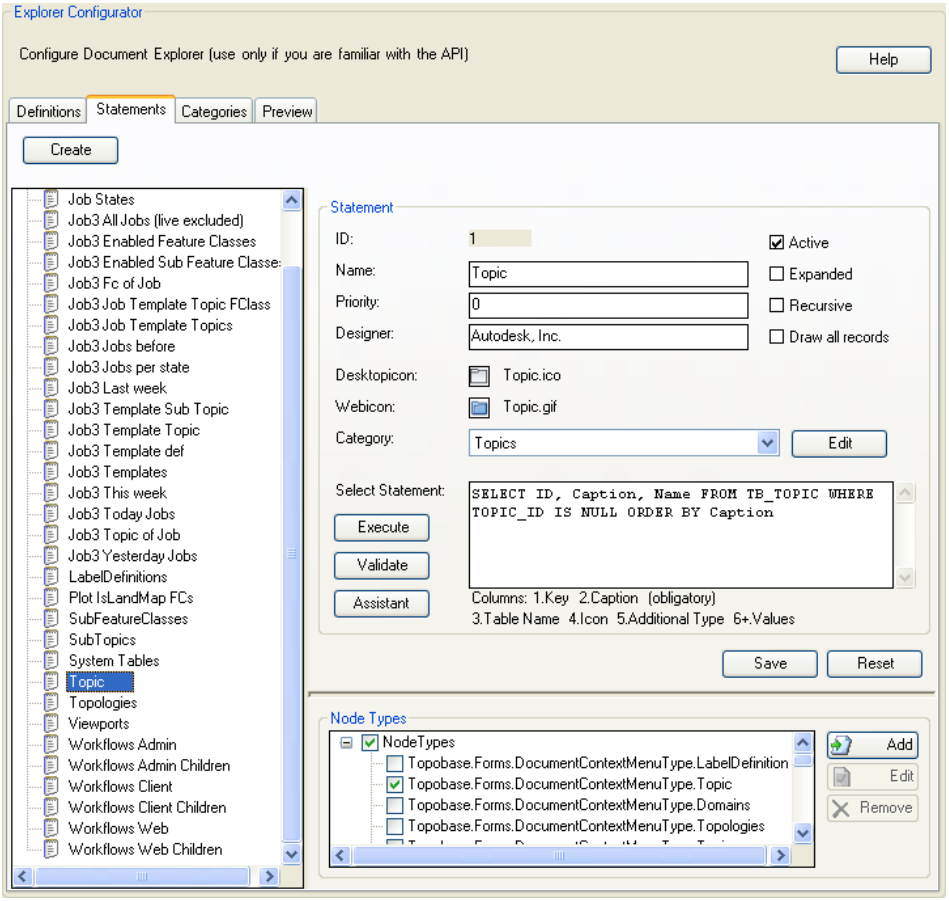
11.2.2 Definitions

- The definitions are the items that can be assigned to the document explorer.

- They can contain one or more statements. These are the SELECT statements.

11.2.3 Statements

- The document explorer is built of SELECT statements.
- The Statement tab shows the list of statements.



Do not alter the existing statements or definitions; the misuse of this may affect the proper functioning of the application.

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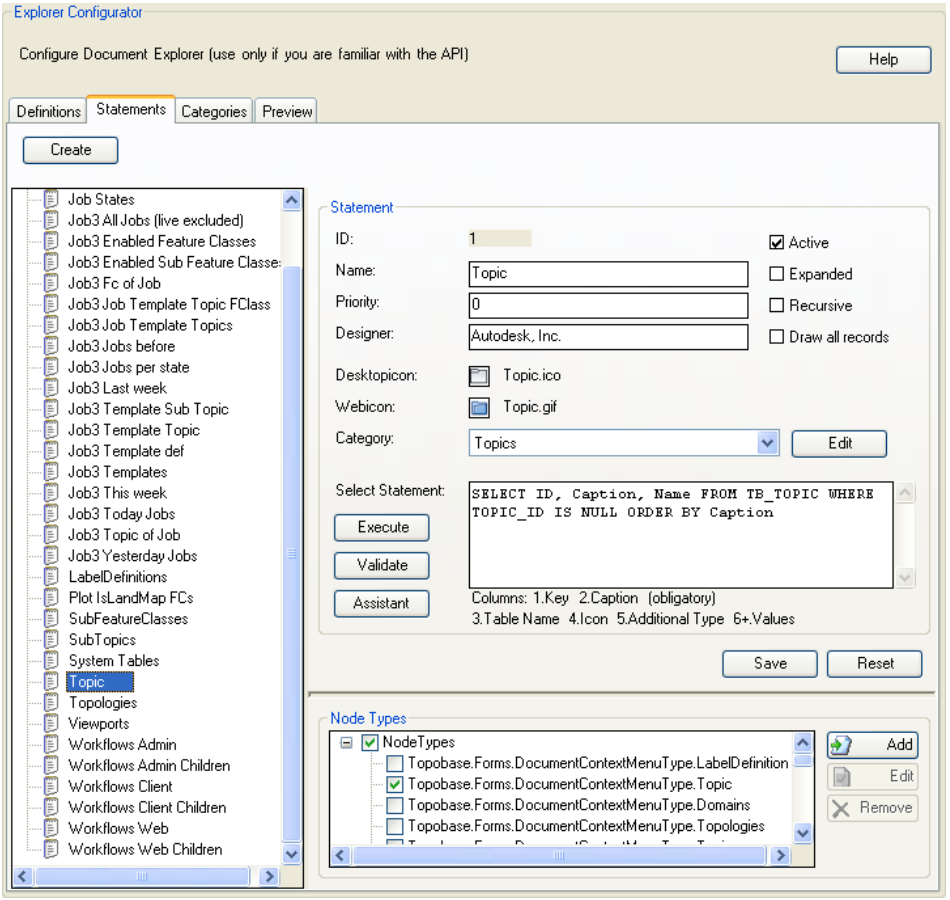
11.2.3 Statements +

Main properties:

- ***Name***
- ***Desktopicon***
- ***Webicon***
- ***Category***
- ***Select Statement***
- ***Node Types***



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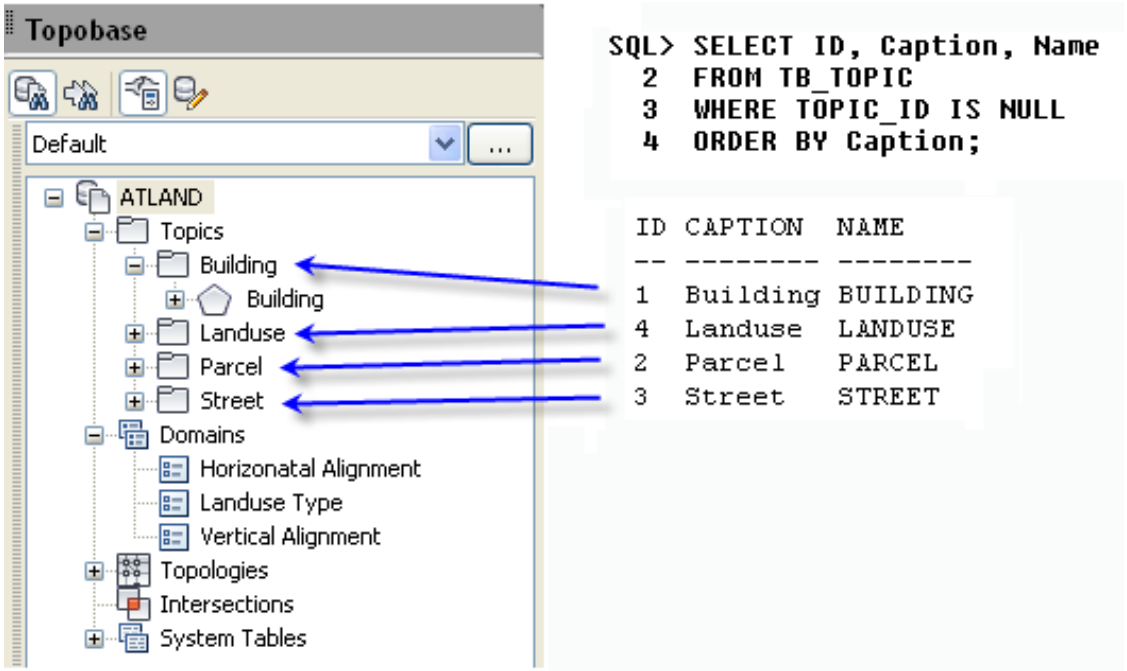
11.2.3 Statements +++

Main properties:

- ***Select Statement***

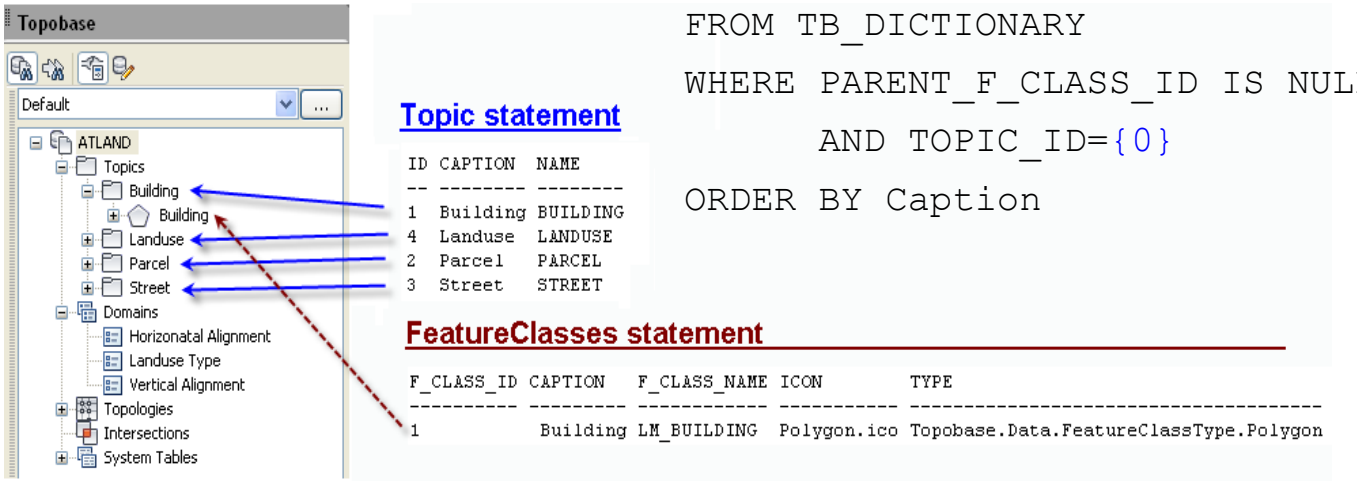


11.2.3 Statements ++

Main properties:

- ***Parameters in Select Statement***

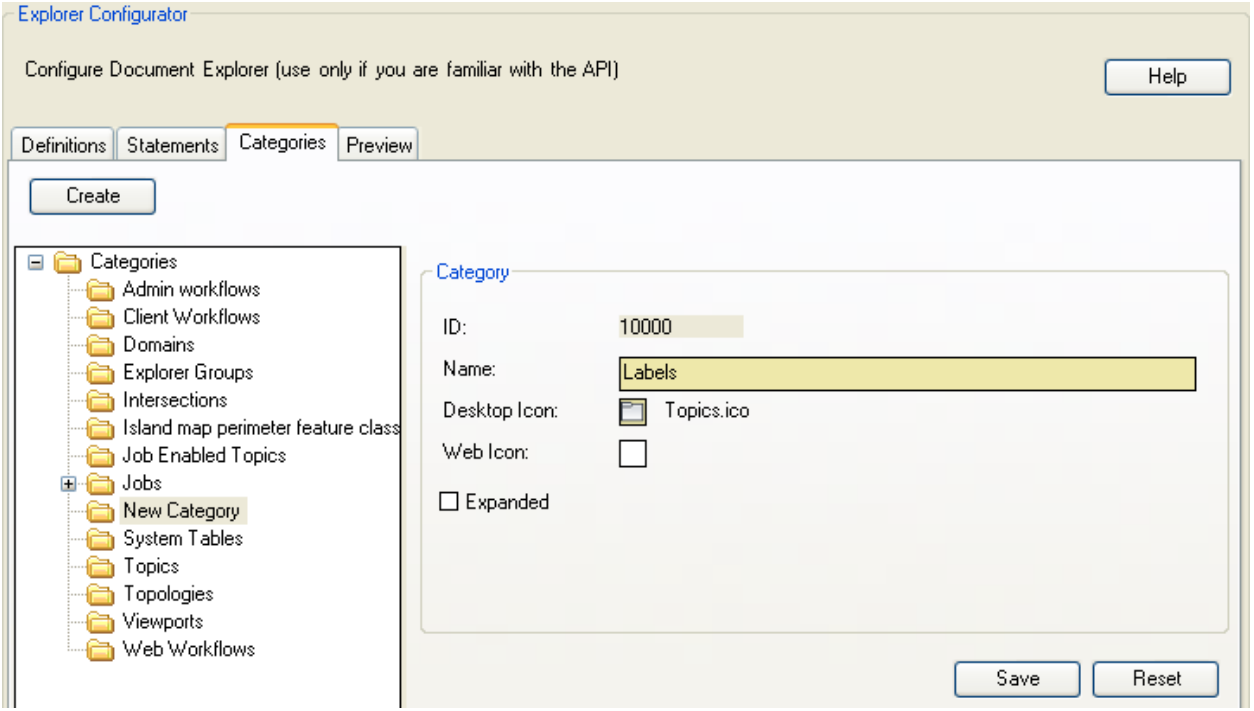
```
SELECT F_CLASS_ID, Caption, F_CLASS_NAME,
DECODE ( F_CLASS_TYPE, 'O', 'Polygon.ico',
        ...) as Type
FROM TB_DICTIONARY
WHERE PARENT_F_CLASS_ID IS NULL
      AND TOPIC_ID={0}
ORDER BY Caption
```



11.2.4 Example Extending the Explorer

Create Category

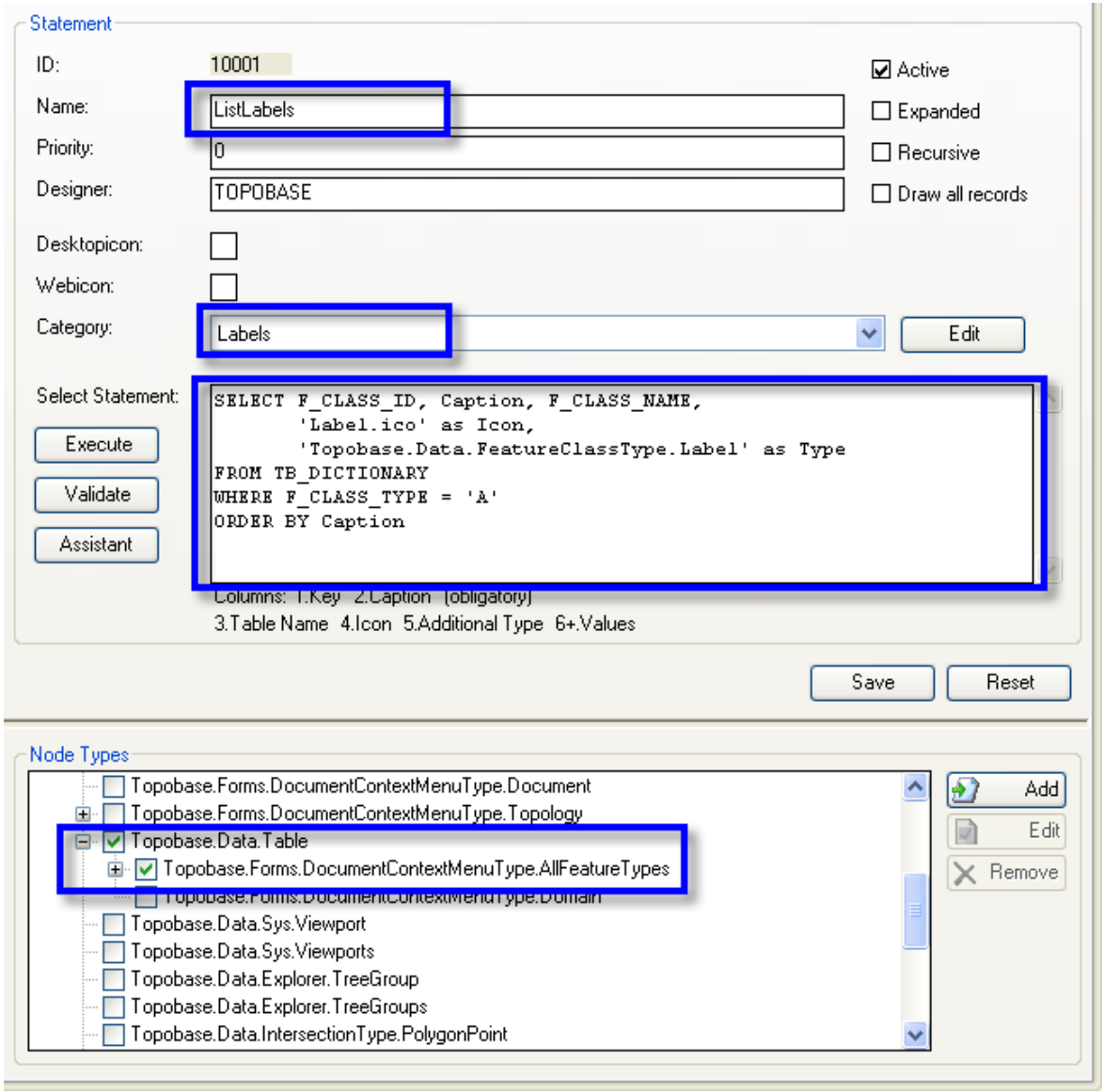
- In the Data Model Administrator, select the **Explorer Configurator**.
- Select the **Categories** tab.
- Click **Create**.



11.2.4 Example Extending the Explorer +

Create Statement

- Select the **Statements** tab.
- Click **Create** and create a new statement.



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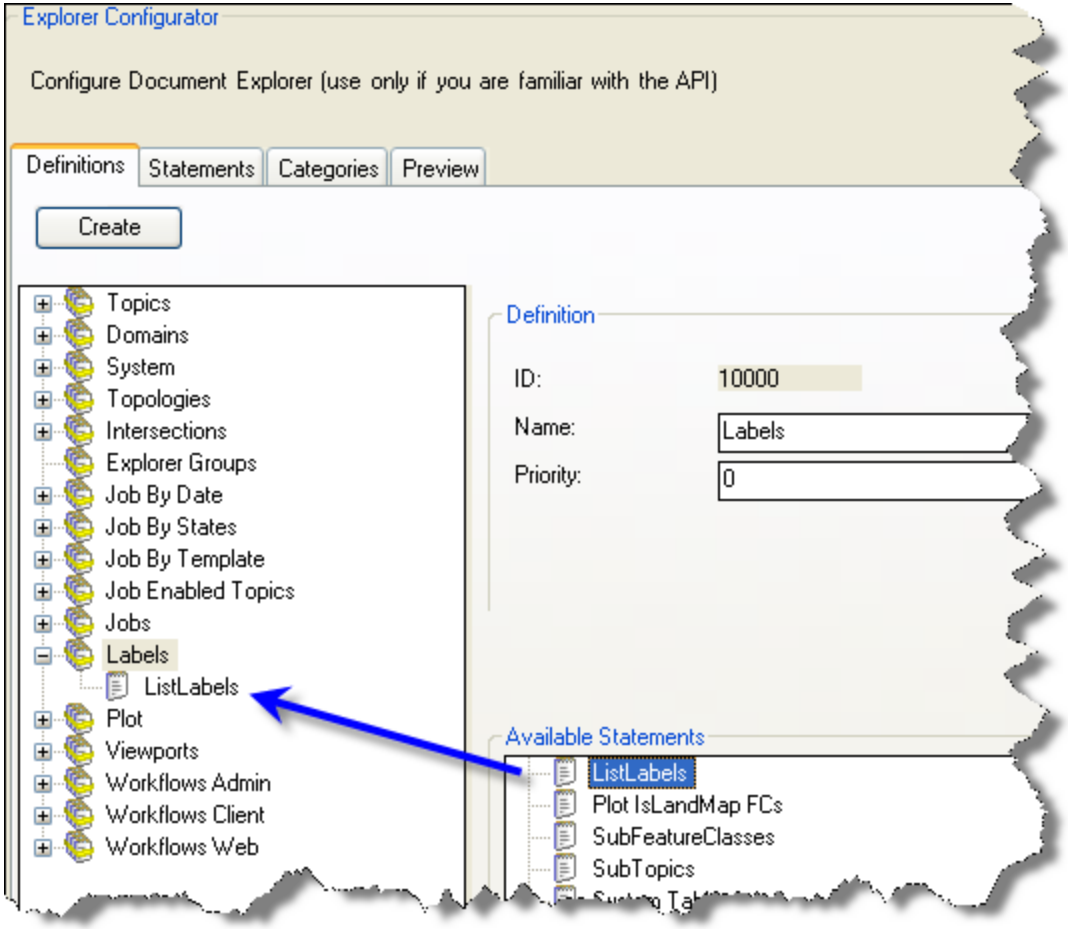
11.2.4 Example Extending the Explorer ++

Create Definition

- Select the **Definitions** tab.
- Click **Create**, and create a new definition.



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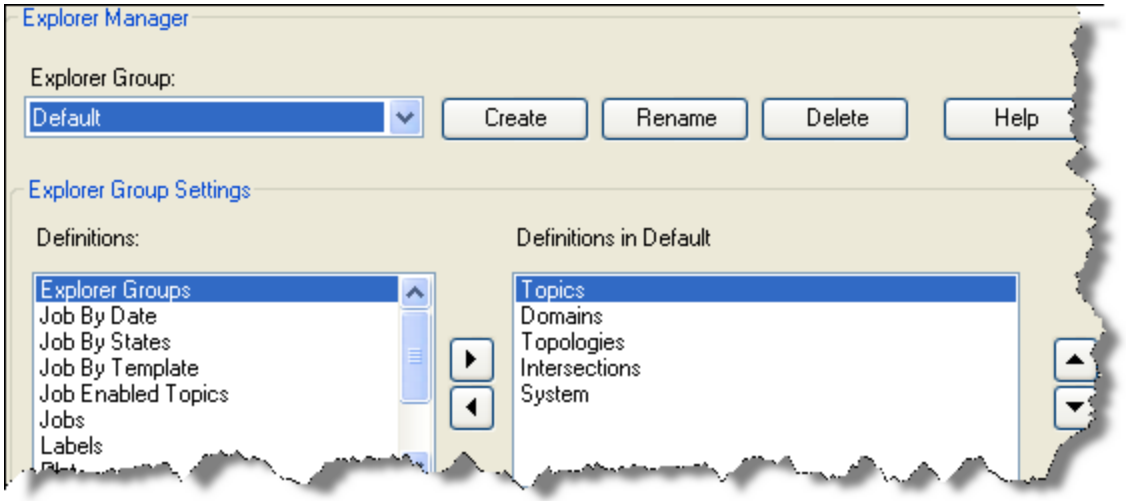
11.2.5 Explorer Groups

Assigning definitions to explorer groups

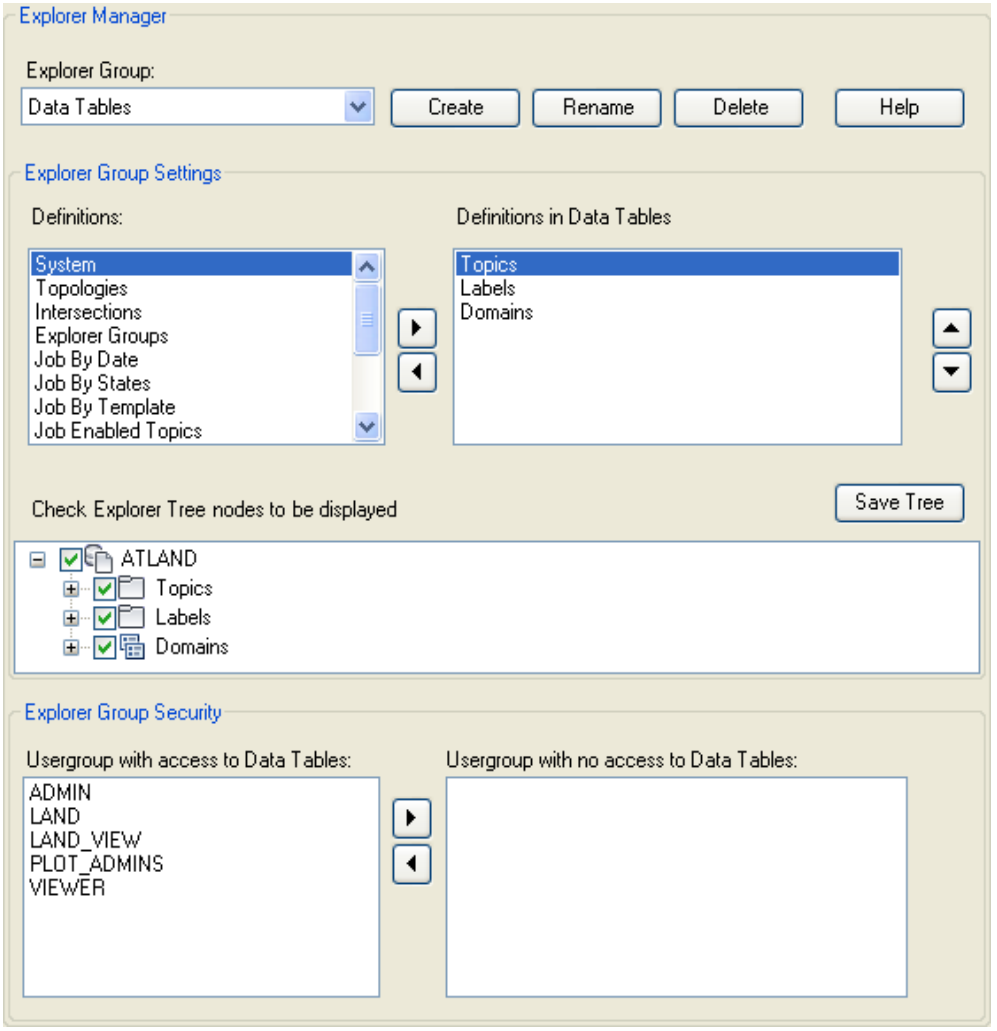
- Use the left and right arrow buttons to add/remove definitions
- Use the up and down arrow buttons to order the definitions



11.2.5 Explorer Groups +

Creating explorer groups

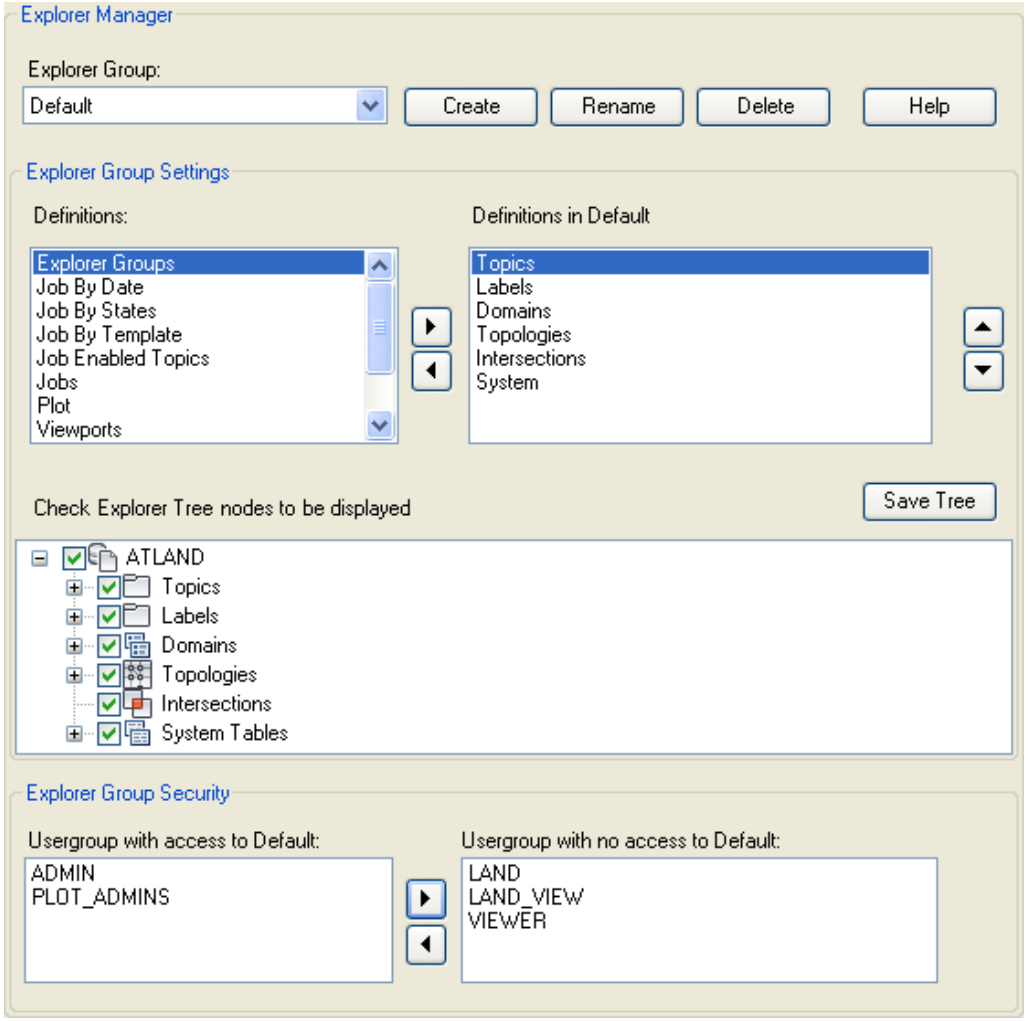
- The main use of the explorer groups is the ability to show and hide node items from the document explorer for different users.



11.2.5 Explorer Groups ++

Assigning user groups

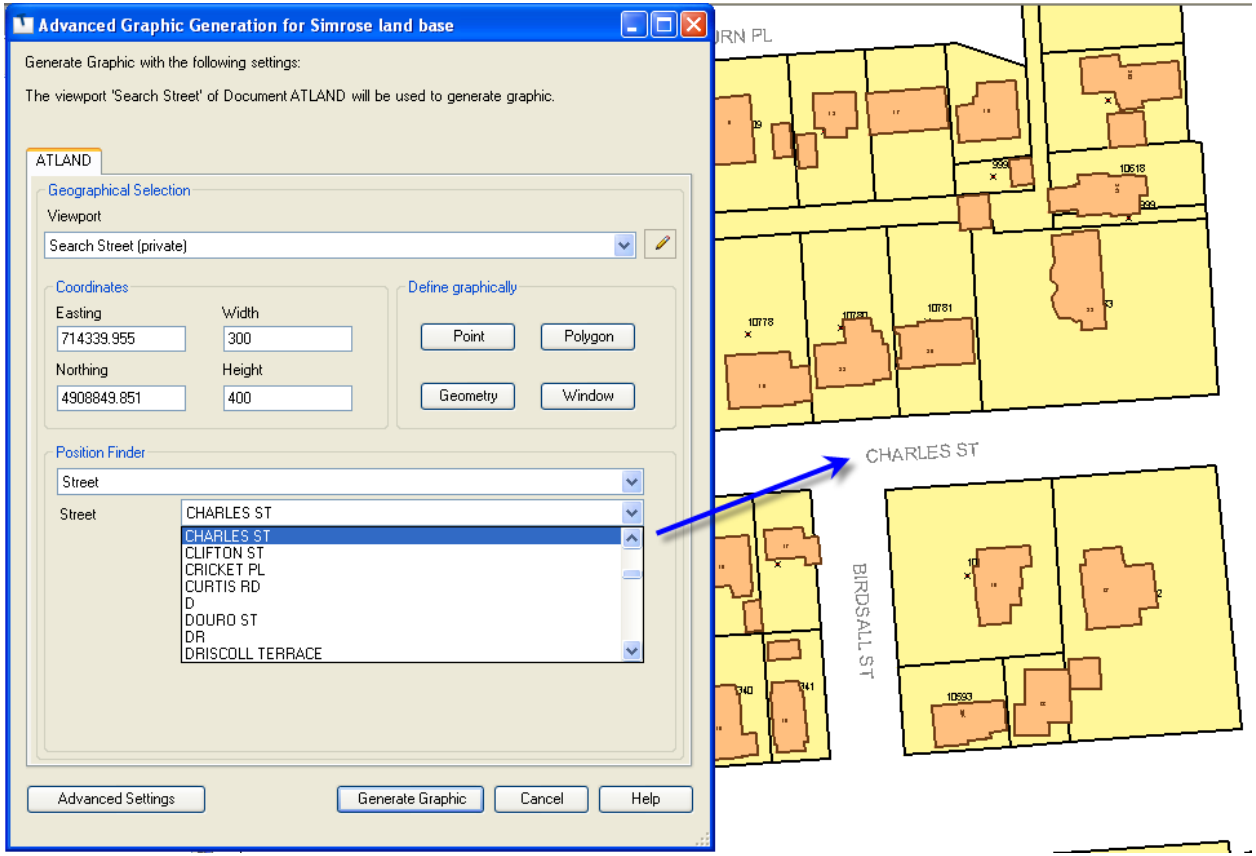
- The use of Explorer groups is not a method to restrict or grant access to feature classes.
- Items are just not visible in the Document Explorer.



Position Finder

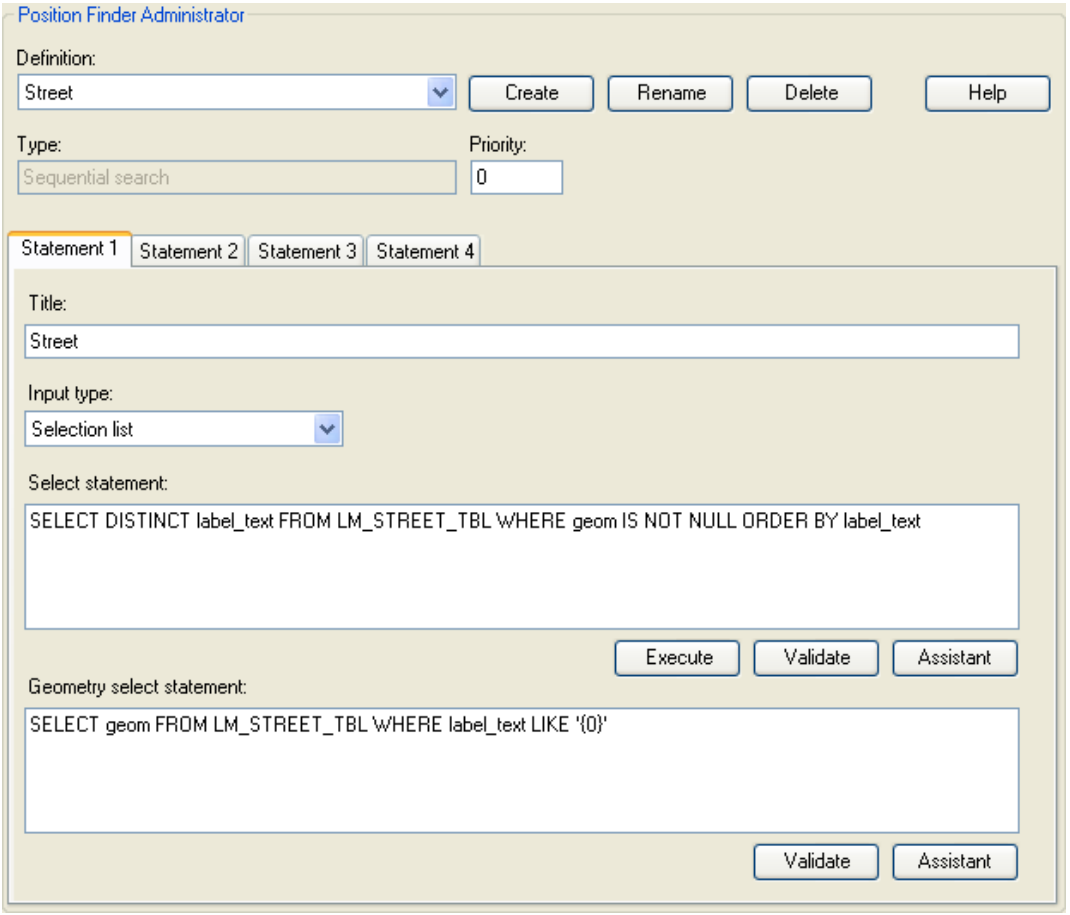
11.3 Position Finder

- The Position Finder in Topobase allows the creation of viewports based on the selection of specific features when you generate graphics.



11.3.1 Position Finder Administrator

- Launch Autodesk Topobase Administrator 2009 and open the **Simrose land base** workspace.
- Select **Document – ATLAND > Position Finder**.



11.3.2 Types

Sequential search

- This type of search is built by consecutive SELECT statements; the search is refined until you get the desired result.

Flat search

- In this case you get a list of attributes that you can fill in; the search is executed applying the filter in each attribute

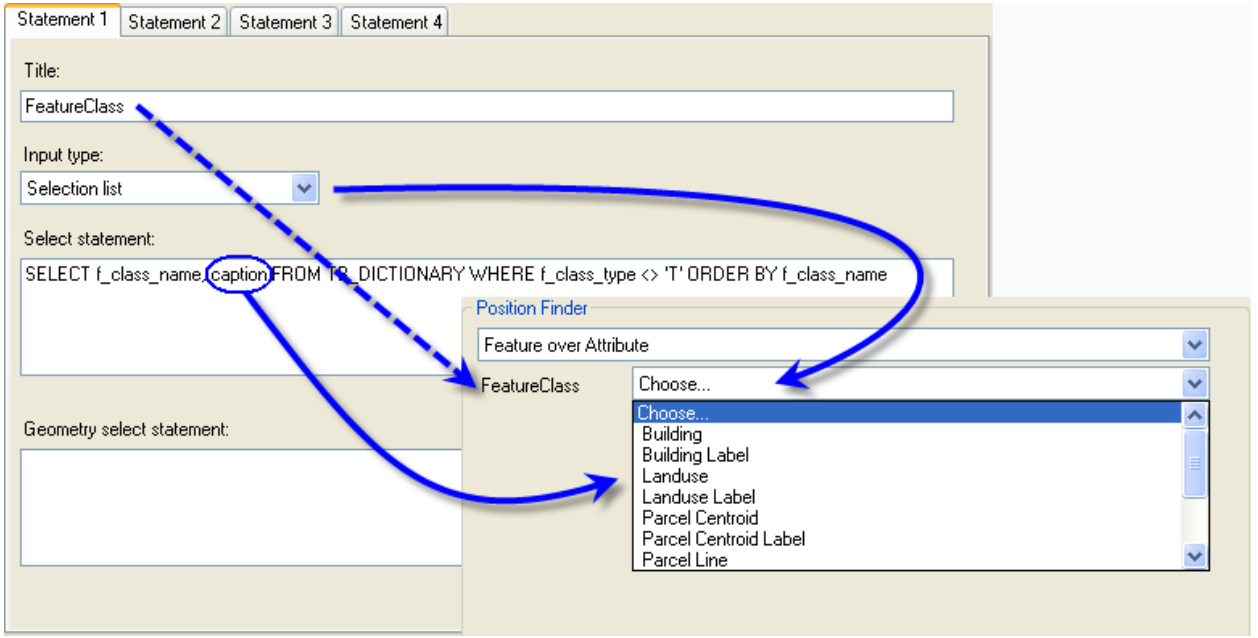
PlugIn search

- In this case, the coordinates for the position finder come from the memory.

11.3.3 Sequential Search—Statements

Properties

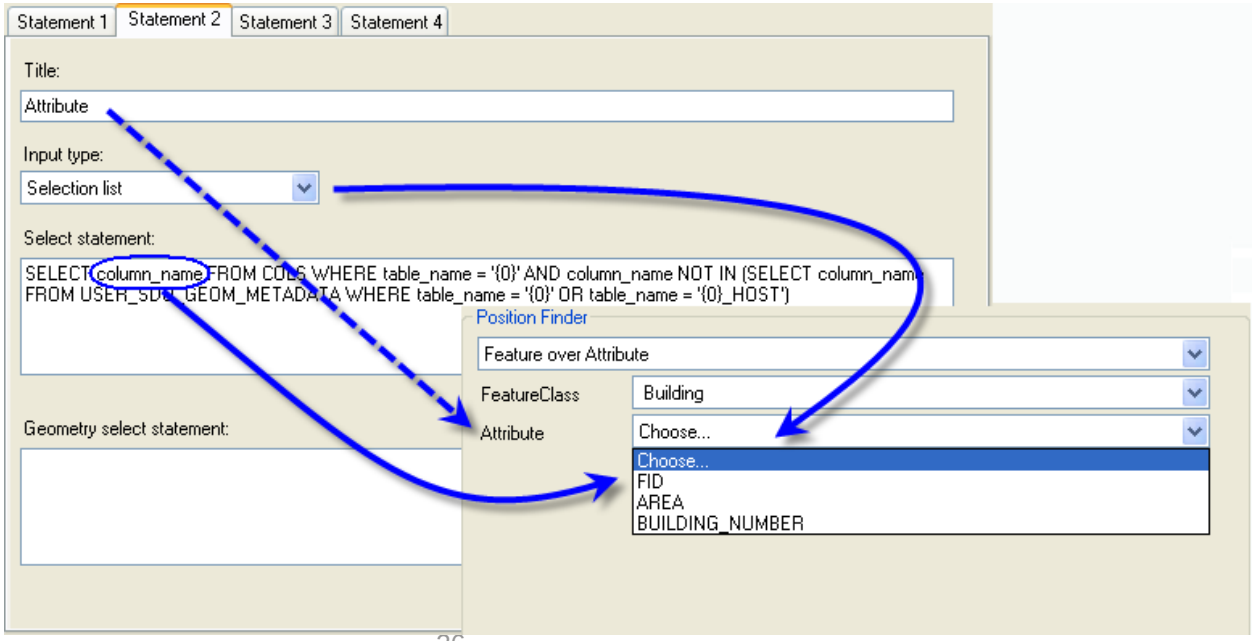
```
SELECT f_class_name, caption
FROM TB_DICTIONARY
WHERE f_class_type <> 'T'
ORDER BY f_class_name
```



11.3.3 Sequential Search—Statements +

Parameters

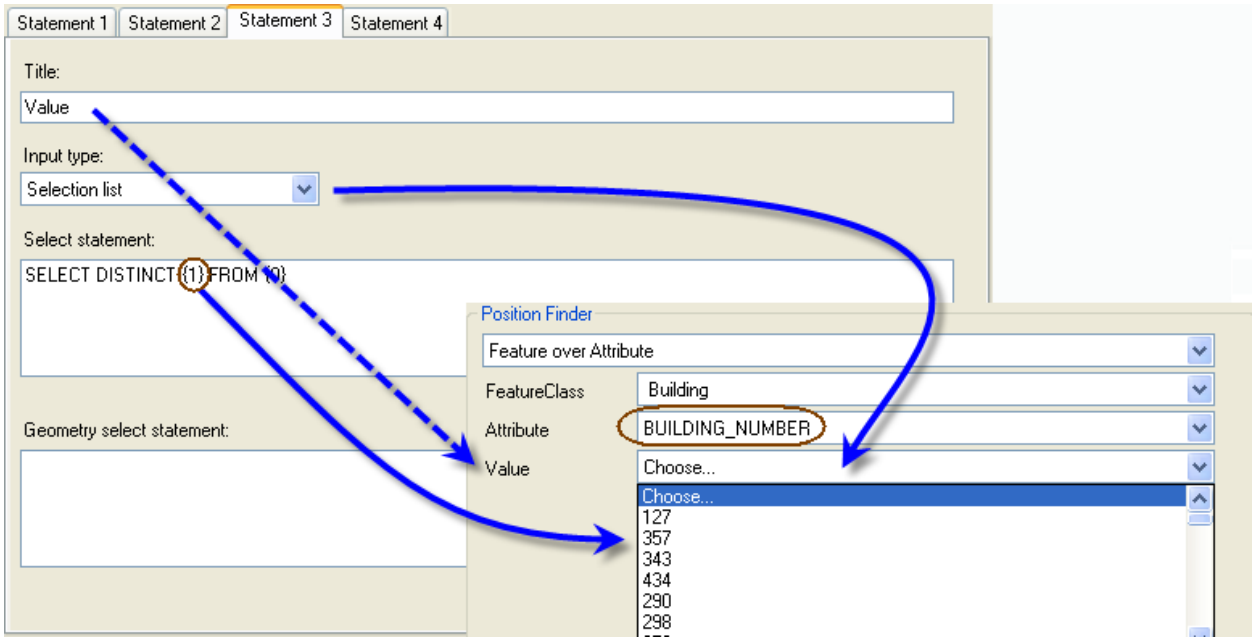
```
SELECT column_name
FROM COLS
WHERE table_name = '{0}'
AND column_name NOT IN
(SELECT column_name
FROM USER_SDO_GEOM_METADATA
WHERE table_name = '{0}' OR table_name = '{0}_HOST')
```



11.3.3 Sequential Search—Statements ++

Parameters

```
SELECT DISTINCT {1}
FROM {0}
```



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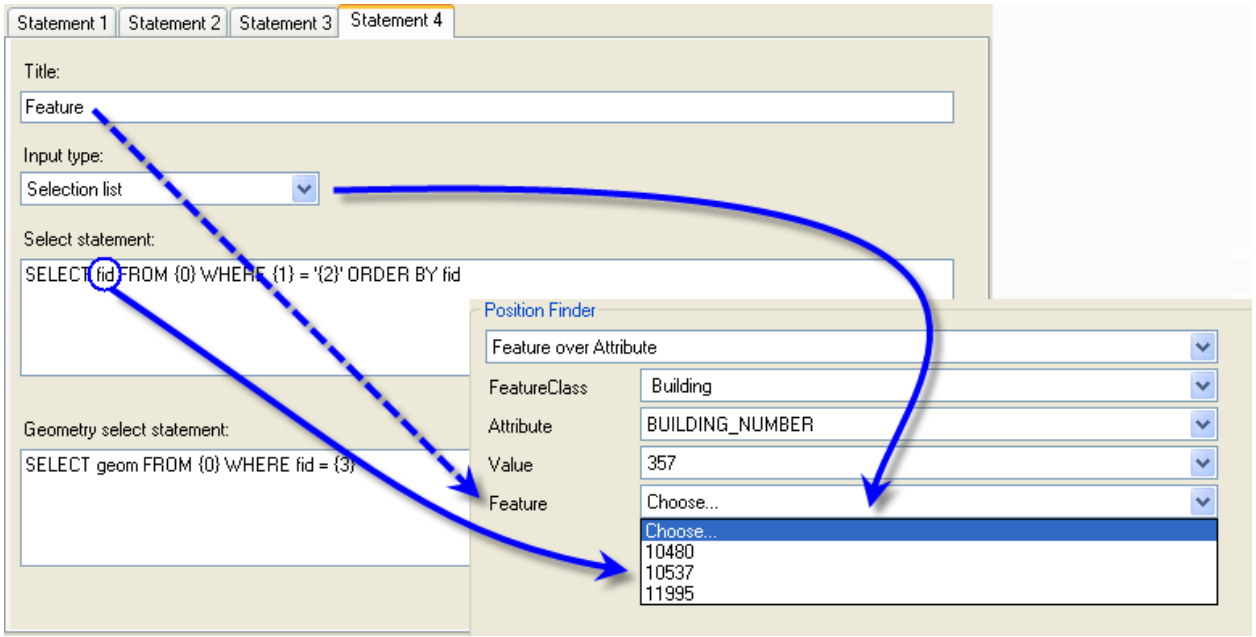
11.3.3 Sequential Search—Statements +++

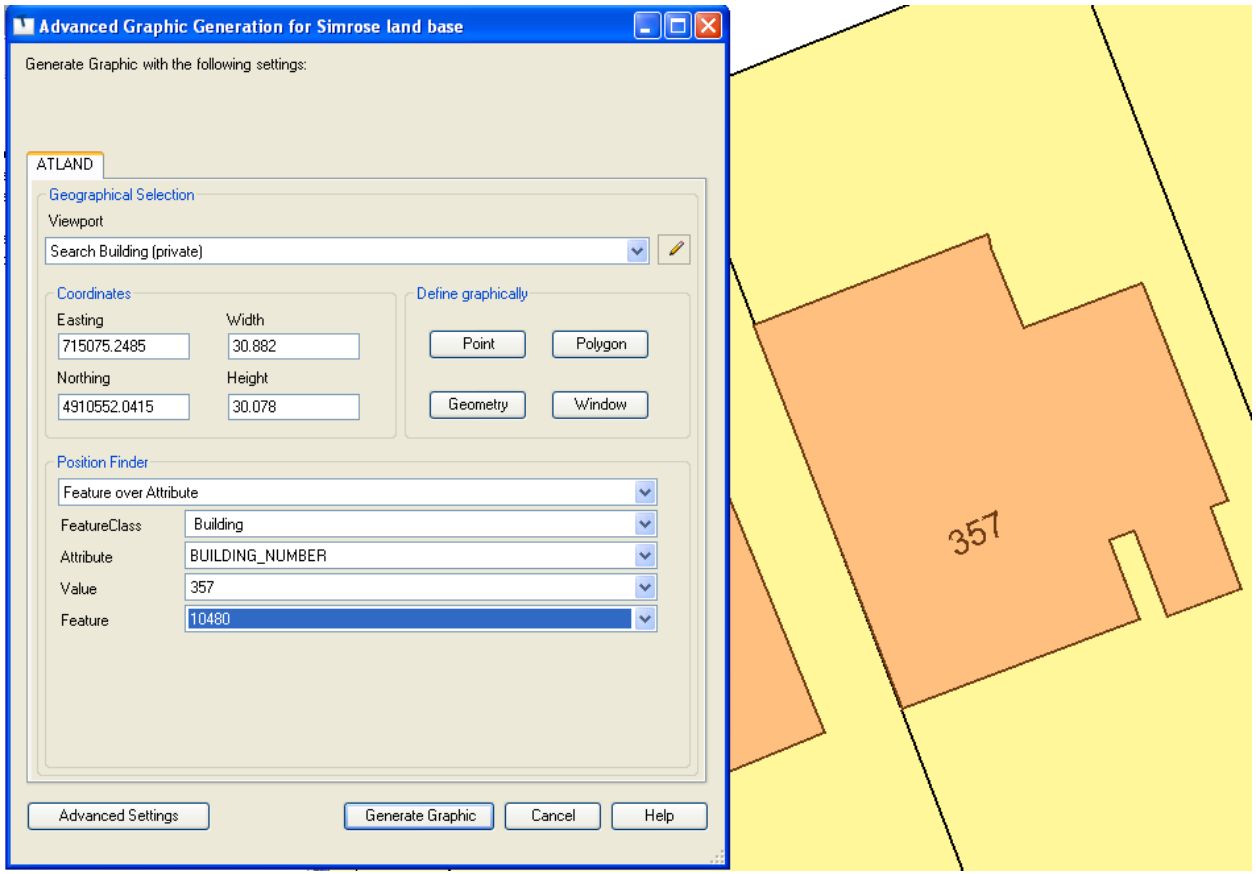
Parameters

```
SELECT fid
FROM {0}
WHERE {1} = '{2}'
```



11.3.3 Sequential Search—Statements ++++

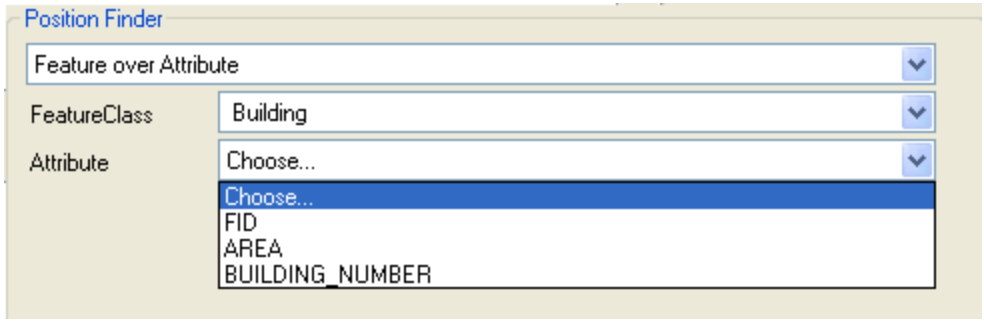
Retrieving Coordinates in Position Finder

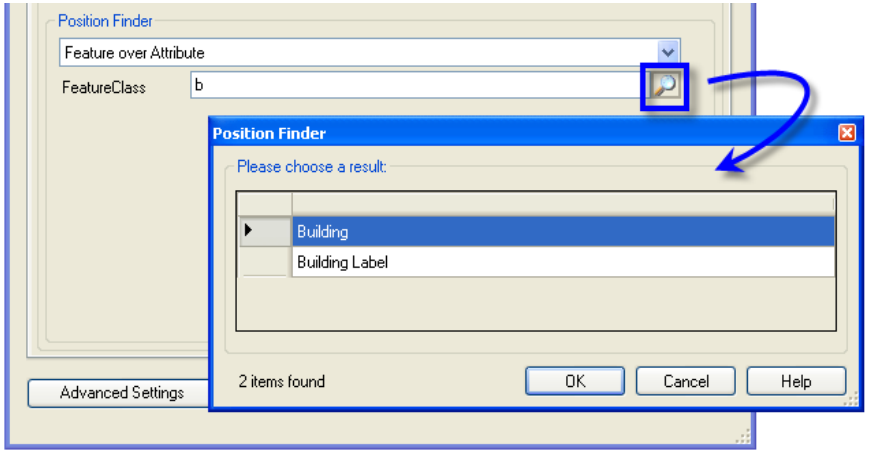


11.3.3 Sequential Search—Statements +++++

Input types

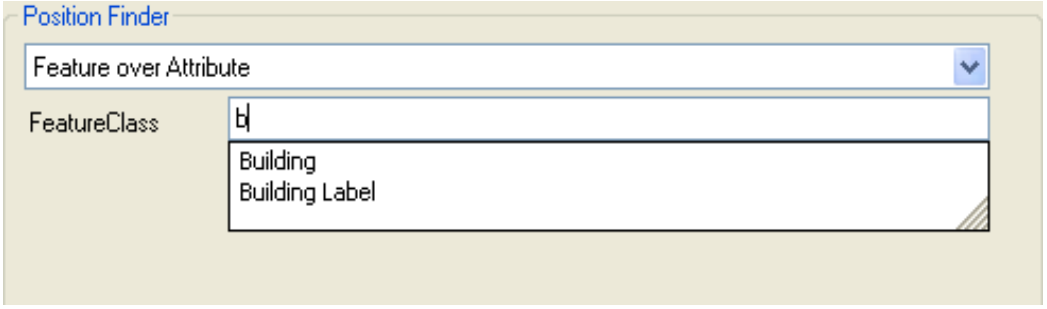
- Selection list





- Text box

- Text box
  with auto complete



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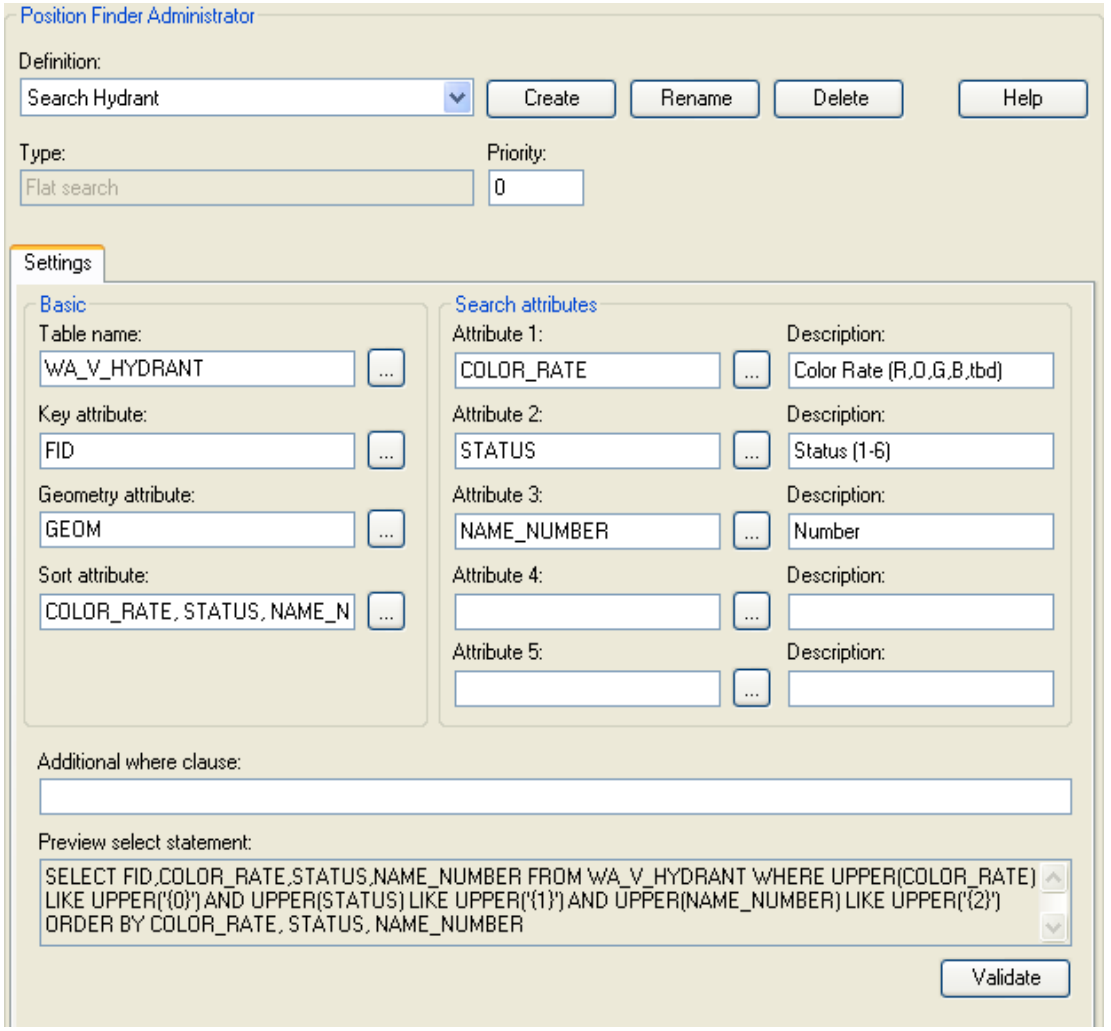
11.3.4 Flat Search +

- The Flat Search is useful when you want to get the result filtering by several attributes
- In the Position Finder Administrator, click **Create** and create a new Definition.
- Select Type **Flat Search.**
- Enter the basic settings and attributes.



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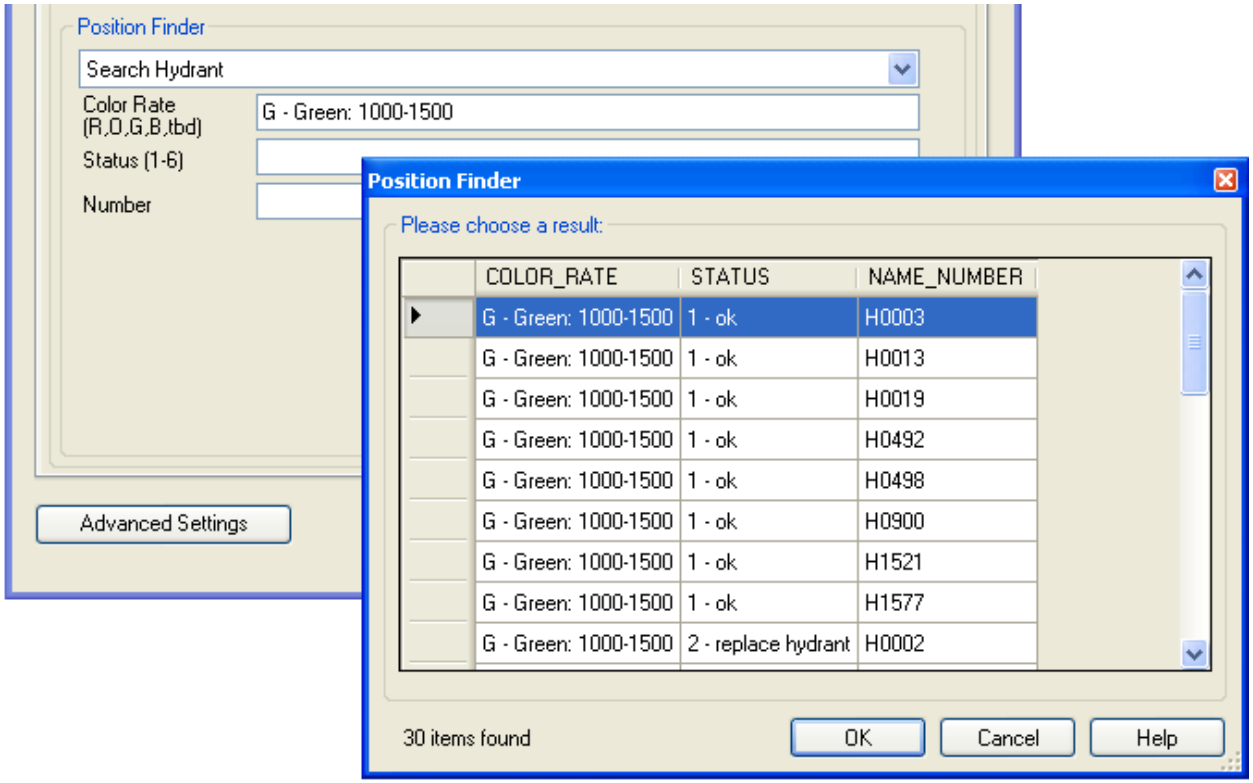
11.3.4 Flat Search ++



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11.5 Chapter Summary

- You should now be able to:
  - Extend and configure the Topobase Explorer
  - Understand how to build node items in the explorer
  - Create position finder definitions for the advanced graphic generation in Topobase Client
  - Create different types of position finders
  - Understand the difference between input types in a sequential search

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