

Retrieving Node Property Values

The `=DCPROPERTY(dcmds, property)` formula returns values associated with the given property [Place DCIDs](#).

Note: Be sure to follow the instructions for [Installing and Enabling the Sheets Add-On](#) before using this formula.

Formula

```
=DCPROPERTY(dcmds, property)
```

Required Arguments

- `dcids`: A list of [Place](#) nodes, identified by their DCIDs.
- `property`: The property whose value you are interested in, such as "name" for the name of a node, or "typeOf" for the type of a node. If you aren't sure what properties are available for a particular DCID, you can use the [Data Commons graph browser](#) to look up the DCID of interest and see what properties it is associated with.

Returns

The value of the property label for the specified DCIDs.

Note:

It's best to minimize the number of function calls to `=DCPROPERTY(dcmds, property)` by using a single call to get the names for a column of nodes. This is because a spreadsheet will make one call to a Google server *per custom function call*. If your sheet contains many thousands of separate calls to `=DCPROPERTY(dcmds, property)` you can expect it to be slow and return with errors.

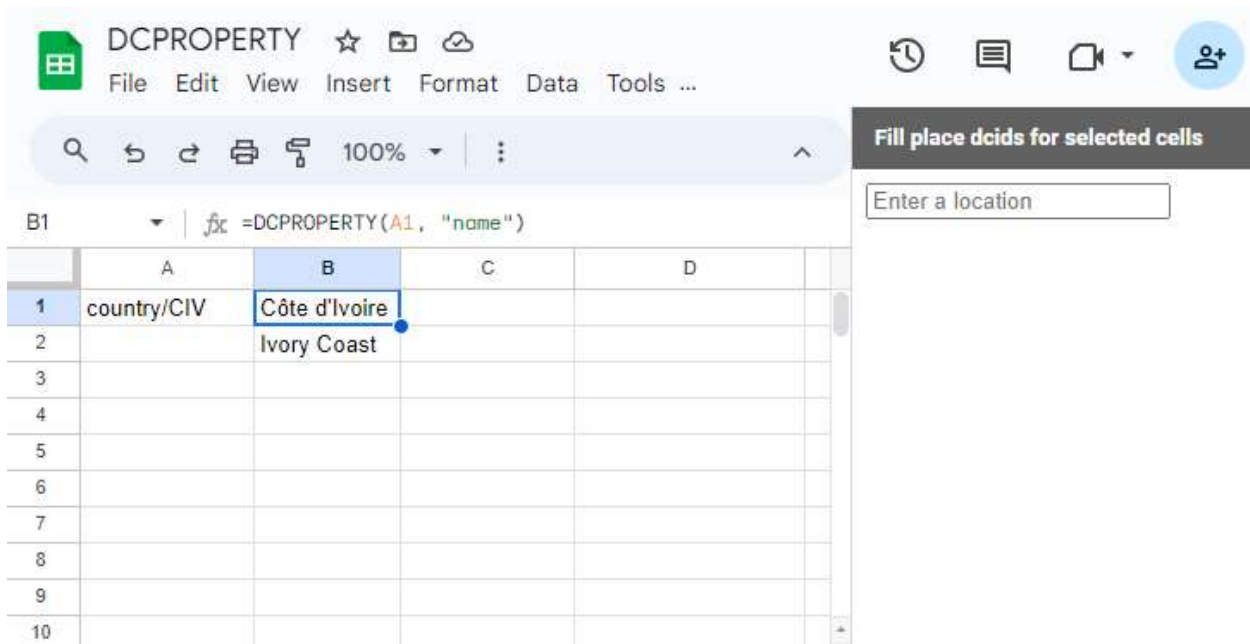
Examples

This section contains examples of using the `=DCPROPERTY(dcmds, property)` to return values associated with the given property [Place DCIDs](#).

Example 1: Retrieve the Common Name of a Country by its DCID

To retrieve the name of a country by its DCID, perform the following steps:

1. Place your cursor in the cell where you want to add a DCID. In this case, cell A1.
2. Enter **country/CIV** for the country Ivory Coast.
3. Next, place your cursor in cell B2 and enter `=DCPROPERTY(A1, "name")` to retrieve the Ivory Coast country name.
4. Press **Enter** and the French and English spellings for Ivory Coast appear in column B.



Example 2: Retrieve the Order to which the Plant *Austrobaileya Scandens* Belongs

To retrieve the order to which the plant *Austrobaileya Scandens* belongs, perform the following steps:

1. Place your cursor in the cell where you want to add a DCID. In this case, cell A1.
2. Enter **dc/bsmvthtq89217** for the plant *Austrobaileya Scandens*.
3. Place your cursor in cell B2 and enter `=DCPROPERTY(A1, "order")`.
4. Press **Enter** and the order *Austrobaileyales* appears in cell B2.

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B1 | `=DCPROPERTY(A1, "order")`

	A	B	C	D
1	dc/bsmvthtq89217	Austrobaileyales		
2				
3				
4				
5				
6				
7				
8				
9				
10				

Fill place dcids for selected cells

dc/bsmvthtq89217

Example 3: Retrieve the Addresses of Stuyvesant High School in New York and Gunn High School in California

To retrieve the addresses of Stuyvesant High School in New York and Gunn High School in California, perform the following steps:

1. Place your cursor in cell A1 and enter nces/360007702877 for Stuyvesant High School in New York.
2. Place your cursor in cell A2 and enter nces/062961004587 for Gunn High School in California.
3. Enter the formula `=DCPROPERTY(A1:A2, "address")` into cell B2 and the addresses of both high schools are populated in column B.

DCPROPERTY

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B1 $\text{=DCPROPERTY}(A1:A2, \text{"address"})$

	A	B	C
1	nces/360007702877	345 Chambers St New York NY 10282-1099	
2	nces/062961004587	780 Arastradero Rd. Palo Alto CA 94306-3827	
3			
4			
5			
6			
7			
8			
9			
10			

Fill place dcids for selected cells

dc/bsmvthtq89217

Error Returns

The `=DCPROPERTY(dcids, property)` returns the value of the property label for the specified DCIDs. See the Examples section above for examples of positive returns. If you pass a nonexistent property, an empty value is returned: For example, because the "nonexistent property" does not exist, no value is returned to cell B1 in the following sheet:

DCPROPERTY

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B1 $\text{=DCPROPERTY}(A1, \text{"nonexistent property"})$

	A	B	C
1	geold/12		
2			
3			
4			
5			
6			
7			
8			
9			
10			

Fill place dcids for selected cells

Enter a location

If you pass a bad DCID, an empty value is returned:

The screenshot shows the DCPROPERTY application interface. The menu bar includes File, Edit, View, Insert, Format, Data, and Tools. The toolbar contains search, undo, redo, print, and zoom icons, with a zoom level of 100%. The formula bar at the top displays `=DCPROPERTY(A1, "name")`. The spreadsheet has columns A, B, and C, and rows 1 through 10. Cell A1 contains the text "geold/123123123". Cell B1 is selected and contains an empty space, indicating a successful data retrieval. On the right side, a sidebar titled "Fill place dcids for selected cells" contains a text input field labeled "Enter a location".

If you pass an empty DCID, an error is returned:

The screenshot shows the DCPROPERTY application interface with an error message. The menu bar and toolbar are the same as in the previous screenshot. The formula bar still displays `=DCPROPERTY(A1, "name")`. In the spreadsheet, cell B1 now contains the text "#ERROR!". An error dialog box is displayed over cell B1, with the title "Error" and the message "ERROR: Enter at least one dcid. (line 1071)". The sidebar on the right remains the same.

If you do not pass a required property argument, an error is returned:



DCPROPERTY



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100%



Fill place dcids for selected cells

Enter a location

B1

=DCPROPERTY(A1)

	A	B	C
1	geold/12	#ERROR!	
2			
3			
4			
5			
6			
7			
8			
9			
10			

Error

API ERROR: API responded with error code 400 with response body:
{ "code": 3, "message": "missing required argument: property" }
(line 935).