

Dynamic Queries

June 1, 2023

Agenda

Overview
“Show & Tell” Examples
Summary / Questions

Simplify

- ... make readable
- ... document with comments
- ... use “IN” when appropriate
- ...avoid “hybrids”

Readability

Do it in style!

@site.site_id IN (16)

@site.site_short_name = 'nc7'

@site.site_short_name = 'nc7'

Search Results

Add To Query

Clear Query

Site	Accession	Cooperator	Inventory Maintenance Policy	Inventory	Inventor
▶		nc7			
	Site ID	Site Short Name	Site Long Name		
	13	TGRC	C.M. Rick Tomato Genetics Resource		
	14	PVPO	Plant Variety Protection Voucher Colle		
	15	NA	National Arboretum		
	16	NC7	North Central Regional PI Station		

Commenting

-- whatever follows the dashes is considered a comment

/* block comments are used to comment multiple lines...

And so on...

And so on...

What day do chickens hate the most?

*/

Fryday



IN

Use IN (

, #, ...

)

The image shows a dialog box titled "Dynamic List Options". It has two main sections: "Resolve To:" and "Dynamic Folder Search Criteria:".

Resolve To: This section contains five radio buttons and a dropdown menu. The radio buttons are labeled "Default", "Accession", "Inventory", "Order Request", and "Cooperator". The "Default" radio button is selected. Below the radio buttons is a dropdown menu with "Accession" selected.

Dynamic Folder Search Criteria: This section contains a text area with the following text:
@web_order_request.web_order_request_id
IN (
- 61056
- 60439
58133, 58134, 58135, 58136
- 58897
)

At the bottom right of the dialog box are two buttons: "OK" and "Cancel".

A hybrid example

The screenshot displays a software interface with a table of crop data and a 'Treeview Item Properties' dialog box. The table has columns for Order Request, Cooperator, Taxonomy Regulation Map, Tax.CropMap, Crop, Crop Trait, Crop Trait Lang, Crop Trait Code, Order Request Action, and Me. The 'Crop' column is highlighted in yellow for the row with ID 180, which is labeled 'HOPS'. The dialog box shows 'Dynamic Folder Search Criteria' set to '@crop.name = 'hops''.

Order Request	Cooperator	Taxonomy Regulation Map	Tax.CropMap	Crop	Crop Trait	Crop Trait Lang	Crop Trait Code	Order Request Action	Me
				115	APPLE			Contains characteristic data on Apple (Malus) accessions as processed by the Apple Crop Committee (ACC). For	
				180	HOPS			Contains characteristic data on Humulus (hops) accessions. For additional information on the evaluation records, contact	

Treeview Item Properties v1.23.1.26

Sorting Options

Auto Sort Ascending

Dynamic List Options

Resolve To: Default

Dynamic Folder Search Criteria:
@crop.name = 'hops'

A hybrid example

The screenshot displays a software interface with the following components:

- Left Panel (Tree View):** A hierarchical tree structure. The folder **By Crop** is highlighted with a yellow box and contains four sub-items: **PI_588766**, **GMAL_60**, **PI_588762**, and **PI_588755**.
- Middle Panel (Radio Buttons):** A vertical list of radio buttons for selection:
 - Order Request
 - Cooperator
 - Genus
 - Geography
 - Crop
- Right Panel (Configuration):**
 - Field:** A dropdown menu.
 - Auto Add Spaces (with an **Add** button).
 - Field Content:** A text area containing the template: `{get_accession.accession_number_part1} + "-" + {get_accession.accession_number_part2} + "-" + {get_accession.accession_number_part3}`.
 - Example:** PI 12345
 - Dynamic List Options:**
 - Resolve To:**
 - Default
 - Accession
 - Inventory
 - Dynamic Folder Search Criteria:** A text area containing the criteria: `@crop.name = 'hops'`.

Steal queries from others

Steal queries from others

GRIN-Global v1.23.1.26

File Reports Tools Help

Search... Accession Wizard Attachment Wizard Cooperator W

Show lists from: Show All

- er, Martin A., Reisinger Resource Group, Inc. ✓
- Hopkins, Cole D., Iowa State University ^
- Johnson, Erin, USDA, ARS, NCRPIS
- Judson, Kallie M., NCRPIS
- Kahler, Ashley, USDA ARS NCRPIS
- Kruger, Mace Jo, USDA, ARS, NCRPIS
- Maher, Allison, USDA, ARS, NCRPIS
- Marek, Laura, Iowa State University
- Marks, Jacob, USDA, ARS, NCRPIS
- Millard, Mark J., USDA, ARS, NCRPIS
- Moodispaw, Margaret, Agricultural Research
- O'Brien, Noelle, USDA, ARS, NCRPIS

Order Request	Cooperator	Taxonomy Regul
	Crop ID	Crop
	115	APPLE
	180	HOPS

Steal queries from others

- Copy from another user
- Paste into your lists

Examples

```
@order_request_item.status_code = 'INSPECT' AND  
@site.site_id IN (16) AND  
@order_request.completed_date IS NULL
```

examples...

The screenshot shows a software interface with a treeview on the left and a 'Treeview Item Properties v1.23.1.26' dialog on the right. The treeview contains several items, including 'PI inv query' which is highlighted with a red box. A red arrow points from this item to the 'Dynamic Folder Search Criteria' field in the dialog. The dialog has sections for 'Sorting Options' (Auto Sort Ascending, Auto Sort Descending, Manual Sort), 'Naming Options', and 'Dynamic List Options' (Resolve To: Default, Accession). The 'Dynamic Folder Search Criteria' field contains the text: '@accession.accession_number_part1 = 'PI' AND @accession.accession_number_part2 = 650843'. A blue wavy line is overlaid across the middle of the image.

Dynamic Folder Search Criteria:
@accession.accession_number_part1 = 'PI' AND
@accession.accession_number_part2 = 650843

examples... Orders to be filled / Labels Printed

```
( @order_request.order_type_code = 'DI' OR  
@order_request.order_type_code = 'NR' OR  
@order_request.order_type_code = 'BA' OR  
@order_request.order_type_code = 'PT' OR  
@order_request.order_type_code = 'TR' OR  
@order_request.order_type_code = 'RP' )
```

```
AND @site.site_id IN (16)
```

```
AND @order_request.completed_date IS NULL
```

```
AND @order_request_action.action_name_code = 'PENDING'
```

```
AND @order_request_action.action_information IS NOT NULL
```

```
EXCEPT
```

```
@order_request_action.action_name_code = 'ORDFILLED'
```


examples... Orders in process

```
@order_request.ordered_date LIKE '%2022%'
```

```
AND
```

```
@site.site_short_name = 'S9'
```

```
AND
```

```
@order_request.order_type_code = 'DI'
```

```
AND
```

```
@order_request.completed_date IS NULL
```

examples...

examples...

examples...

References

- [Dynamic Folders Guide](#)
- [Searches Guide](#)

- [GG Project User Documentation page](#)

--dumppsql