

ConfigMgr Console Queries: Serial Number

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To create a query in ConfigMgr, open the console and navigate to Monitoring > Queries. Queries allow you to run simple WQL queries against the database. I will illustrate how to make one by creating one that searches for a device serial number.

You can create the query by using the same information that is used to create collections.

Creating the Query

Select "Create Query" from the ConfigMgr ribbon. Give your query a name. You also have the option of limiting a query to a particular collection, either by specifying it directly, or prompting the user for it.

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Next, we move to the criteria tab. Again, it functions just like building a collection:

Now, the big question here is how do we get this to prompt for a value. Here is what the serial number criteria looks like as a query without the prompt (I entered a value of 1 so that I could apply the query):

```
select SMS_R_System.Name, SMS_G_System_SYSTEM_ENCLOSURE.SerialNumber
```

```
from SMS_R_System inner join SMS_G_System_SYSTEM_ENCLOSURE on  
SMS_G_System_SYSTEM_ENCLOSURE.ResourceID = SMS_R_System.ResourceId
```

```
where SMS_G_System_SYSTEM_ENCLOSURE.SerialNumber = "1"
```

To make it prompt, simply change the where clause after the equal sign to:

```
##PRM:SMS_G_System_SYSTEM_ENCLOSURE.SerialNumber##
```

It's basically what the where clause is looking for, bracketed by ## and PRM:, so our query becomes

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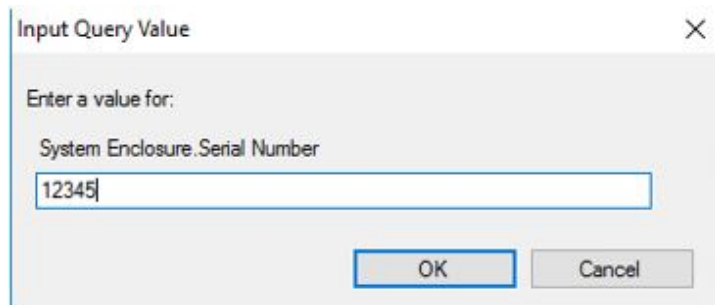
1

```
select SMS_R_System.Name, SMS_G_System_SYSTEM_ENCLOSURE.SerialNumber
```


```
from SMS_R_System inner join SMS_G_System_SYSTEM_ENCLOSURE on  
SMS_G_System_SYSTEM_ENCLOSURE.ResourceID = SMS_R_System.ResourceID
```

```
where SMS_G_System_SYSTEM_ENCLOSURE.SerialNumber =  
##PRM:SMS_G_System_SYSTEM_ENCLOSURE.SerialNumber##
```

After that is set up, you can execute it and get your info:



Returns:



| System Resource.Name | System Enclos... |
|----------------------|------------------|
| [REDACTED] | [REDACTED] |



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The screenshot shows a configuration manager console window with the 'General' tab selected. The 'Name' field contains 'Find by Serial Number'. The 'Comments' field is empty. Below the comments field are two buttons: 'Import Query Statement...' and 'Edit Query Statement...'. The 'Object Type' dropdown is set to 'System Resource'. Below the object type are two buttons: 'Edit Query Statement...' (highlighted with a blue border) and 'Browse...'. The 'Collection Limiting' section has three radio buttons: 'Not collection limited' (selected), 'Limit to collection:' (with an empty text box and a 'Browse...' button), and 'Prompt for collection'.

When you click “Edit Query Statement”, you are greeted with the same wizard that is using to construct collection queries:

[require all participants to wait in the lobby.](#)

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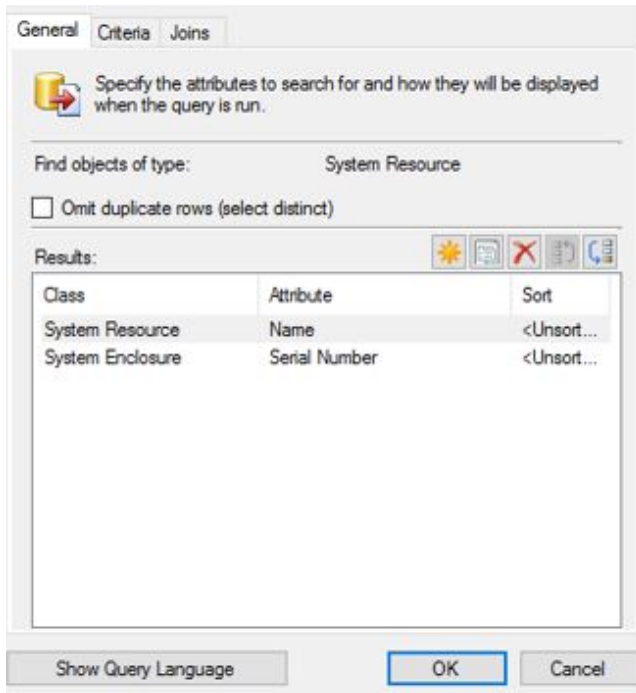
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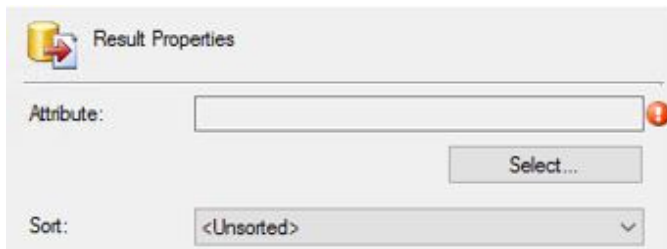
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This first screen is where you tell ConfigMgr what information to display. Since I am finding a computer name using the serial number, those are the two fields I have chosen. When you click the add button, you are greeted with the screen to pick the attribute:



Simply find the attributes that you want to display. If you're writing a query that will return multiple results, you want to set the "Sort" option on at least one of them so that you get a sorted list.

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