

## Foreman - Bug #4805

### API search method not working for opratingsystem type of objects.

03/24/2014 04:10 PM - Xavier Naveira

<b>Status:</b> Resolved	
<b>Priority:</b> Normal	
<b>Assignee:</b>	
<b>Category:</b> API	
<b>Target version:</b>	
<b>Difficulty:</b>	<b>Fixed in Releases:</b>
<b>Triaged:</b>	<b>Found in Releases:</b>
<b>Bugzilla link:</b>	<b>Red Hat JIRA:</b>
<b>Pull request:</b>	
<b>Description</b>	
Trying to retrieve operating system properties via API an empty set of results is returned when using "?search" method in the url.	
Attached the result of calling the following urls:	
<a href="https://&amp;lt;foreman_server&amp;gt;/api/v2/operatingsystems">https://&amp;lt;foreman_server&amp;gt;/api/v2/operatingsystems</a>	
<a href="https://&amp;lt;foreman_server&amp;gt;/api/v2/operatingsystems?search=CentOS">https://&amp;lt;foreman_server&amp;gt;/api/v2/operatingsystems?search=CentOS</a>	

### History

#### #1 - 03/24/2014 04:15 PM - Dominic Cleal

Try using a "attribute = value" style of searching instead of relying on free text search. The same search rules as in the UI (which has a useful auto-complete) apply here, so "name = CentOS" will return all CentOS operating systems.

#### #2 - 03/25/2014 07:48 AM - Xavier Naveira

- File *operatingsystemsbyname.htm* added

- File *operatingsystemsbyfullname.htm* added

Hi Dominic,

Thank you for your answer.

Unfortunately using "attribute=value" doesn't seem to work either.

When searching using the following urls I get the whole list of operating systems in my Foreman installation (see results attached)

[https://&amp;lt;foreman\\_server&amp;gt;/api/v2/operatingsystems?name=CentOS](https://&amp;lt;foreman_server&amp;gt;/api/v2/operatingsystems?name=CentOS)

[https://&amp;lt;foreman\\_server&amp;gt;/api/v2/operatingsystems?fullname=CentOS](https://&amp;lt;foreman_server&amp;gt;/api/v2/operatingsystems?fullname=CentOS) 6.3

Another way to search for objects that I'm using successfully when looking for hosts is to use their name in the url like this:

[https://&amp;lt;foreman\\_server&amp;gt;/api/v2/hosts/&amp;lt;name\\_of\\_the\\_server&gt;](https://&amp;lt;foreman_server&amp;gt;/api/v2/hosts/&amp;lt;name_of_the_server&gt;)

So I thought to give it a try and do the same and test:

[https://&amp;lt;foreman\\_server&amp;gt;/api/v2/operatingsystems/CentOS](https://&amp;lt;foreman_server&amp;gt;/api/v2/operatingsystems/CentOS) 6.3

But it seems to be a problem with the parsing because the call above throws back:

```
{
  "error": {
    "message": "Resource operatingsystem not found by id 'CentOS 6'"
  }
}
```

#### #3 - 03/25/2014 08:04 AM - Dominic Cleal

The "attribute=value" is still passed within the "search" parameter, sorry that wasn't clear. For example:

[https://foreman\\_server/api/v2/operatingsystems?search=fullname=CentOS](https://foreman_server/api/v2/operatingsystems?search=fullname=CentOS) 6.3

Have a look at the GUI for a better idea, you'll be able to search for something and reuse the same search string against the API.

The parse issue has been fixed in [#4201](#) for Foreman 1.5.0.

#### #4 - 03/25/2014 08:41 AM - Xavier Naveira

Ok, so searching like this:

[https://foreman\\_server/api/v2/operatingsystems?search=fullname=CentOS](https://foreman_server/api/v2/operatingsystems?search=fullname=CentOS) 6.3

Gives back:

```
{
  "error": {
    "message": "Field 'fullname' not recognized for searching!",
    "class": "ScopedSearch::QueryNotSupported"
  }
}
```

But I see your point and the parsing issue solved is all that I need.

Thank you for your help! You may now close this issue.

#### #5 - 03/25/2014 09:11 AM - Dominic Cleal

- Status changed from New to Resolved

Oh sorry, I copied your example without reading and checking it. It looks like we don't have a field at the moment for the "fullname", since that area (the concatenated name) is a bit complex and messy. It may be better to search for a specific name, major and minor. Anyway, glad that helped a bit, closing.

#### Files

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operatingsystems.htm	1.51 KB	03/24/2014	Xavier Naveira
operatingsystemssearch.htm	155 Bytes	03/24/2014	Xavier Naveira
operatingsystemsbyname.htm	1.51 KB	03/25/2014	Xavier Naveira
operatingsystemsbyfullname.htm	1.51 KB	03/25/2014	Xavier Naveira