

**Links to Other API pages:** [Cisco Unity Connection APIs](#)

<b>CUPI Guide Contents</b>
<a href="#">API Overview</a>
<a href="#">Index of All CUPI Documentation</a>

## Contents

- [1 Searching](#)
- [2 Sorting](#)
- [3 Constraints on the Allowed Values in Search Queries and Sorts](#)

## Searching

The general format of a search query is:

```
query=(column [is | startswith] value)
```

For example, to find all users that have an alias starting with the letter "a," the query would be:

```
query=(alias startswith a)
```

The full URL, including escaping spaces as %20, would be:

```
GET http://<connection-server>/vmrest/users?query=(alias%20startswith%20a)
```

(For more information about escaping spaces, see the [RFC for URIs](#).)

## Sorting

Sorting is similar to searching. The general format of a sort is:

```
sort=(column [asc | desc])
```

For example, to sort users by alias, the sort would be:

```
sort=(alias asc)
```

The full URL would be:

```
GET http://<connection-server>/vmrest/users?sort=(alias%20asc)
```

Note that spaces must be escaped in the URL as %20 (standard URL escape code for space).

## Constraints on the Allowed Values in Search Queries and Sorts

Note the following constraints on the allowed values in the queries and sorts, based on database performance requirements:

## Cisco\_Unity\_Connection\_Provisioning\_Interface\_(CUPI)\_API\_--\_Searching\_and\_Sorting

- Sorts can support only a single column.
- Sorts can specify only a column that is indexed.
- Queries can support only an indexed column or a boolean column.
- Queries can specify more than one column only if all columns belong to a single compound index.  
(Note: the ability to specify more than one column is not yet implemented; at this time, only single criteria queries are allowed.)
- When both a query and a sort are specified, the sort column must be one of the columns in the query.
- Queries can use only two conditions: "is" and "startswith".