Searching your environment for specific assets

OnCommand Insight

NetApp
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You can locate information about specific assets by using the search facility. For example, if a system user contacts the storage administrator with a complaint about a particular server, the administrator can search the server name and display an asset page summarizing the status and supplying additional linked information.

Steps

1. Open the OnCommand Insightweb UI.
2. On the toolbar, click  .

   The **Search assets** box is displayed.
3. Enter the name of an asset or a portion of the name.
4. Select the resource you want from the search results.

   The asset page for that resource is displayed.

Advanced search techniques

Multiple search techniques can be used to search for data or objects in your monitored environment.

Wildcard search

You can perform multiple character wildcard search using the * character. For example, *applic*n* would return application.

Phrases used in search

A phrase is a group of words surrounded by double quotation marks; for example, "PAW VNX LUN 5". You can use double quotes to search for documents that contain spaces in their names or attributes.

Boolean Operators

Using Boolean operators, you can combine multiple terms to form a more complex query.

- **OR**
  - The OR operator is the default conjunction operator.

    If there is no Boolean operator between two terms, the OR operator is used.
  - The OR operator links two terms and finds a matching document if either of the terms exists in a document.

    For example, “storage OR netapp” searches for documents that contain either “storage” or “netapp”.
  - High scores are given to documents that match most of the terms.

- **AND**

  You can use the AND operator to find documents in which both the search terms exist in a single document. For example, “aurora AND netapp” searches for documents that contain both “storage” and “netapp”.

  You can use the symbol && instead of the word AND.

- **NOT**

  When you use the NOT operator, all the documents that contain the term after NOT are excluded from the search results. For example, “storage NOT netapp” searches for documents that contains only “storage” and not “netapp”.

  You can use the symbol ! instead of the word NOT.

Prefix and suffix search

- As soon as you start typing a search string, the search engine does a prefix and suffix search to find the best match.
- Exact matches are given a higher score than a prefix or suffix match. The score is calculated based on the distance of the search term from the actual search result. For example, we have three storages: “aurora”, “aurora1”, and “aurora11”. Searching for “aur” will return all three storages. However, the search result for “aurora” will have the highest score because it has the closest distance to the prefix search string.
- The search engine also searches for terms in reverse order, which allows you to perform a suffix search. For example, when you type “345” in the search box, the search engine searches for “345”.
- Search is case-insensitive.

Search using indexed terms

Searches that match more of the indexed terms result in higher scores.

The search string is split into separate search terms by space. For example, the search string “storage aurora netapp” is split into three keywords: “storage”, “aurora”, and “netapp”. The search is performed using all three terms. The documents that match most of these terms will have the highest score. The more information you provide, the better are the search results. For example, you can search for a storage by its name and mode.

The UI displays the search results across categories, with the three top results per category. If you did not find a document that you were expecting, you can include more terms in the search string to improve the search results.

The following table provides a list of indexed terms that can be added to the search string.

Category	Indexed terms
Storage	• “storage” • name • vendor • model

StoragePool	• “storagepool” • name • name of the storage • IP addresses of the storage • serial number of the storage • storage vendor • storage model • names for all associated internal volumes • names for all associated disks
Internal Volume	• “internalvolume” • name • name of the storage • IP addresses of the storage • serial number of the storage • storage vendor • storage model • name of the storage pool • names of all associated shares • names of all associated applications and business entities
Volume	• “volume” • name • label • names of all internal volumes • name of the storage pool • name of the storage • IP addresses of the storage • serial number of the storage • storage vendor • storage model

Storage Node	• “storagenode” • name • name of the storage • IP addresses of the storage • serialnumber of the storage • storage vendor • storage model
Host	• “host” • name • IP addresses • names of all associated applications and business entities
Datastore	• “datastore” • name • virtual center IP • names of all volumes • names of all internal volumes
Virtual Machines	• “virtualmachine” • name • DNS name • IP addresses • name of the host • IP addresses of the host • names of all datastores • names of all associated applications and business entities

Switches (regular and NPV)	• “switch” • IP address • wwn • name • serial number • model • domain ID • name of the fabric • wwn of the fabric
Application	• “application” • name • tenant • line of business • business unit • project
Tape	• “tape” • IP address • name • serial number • vendor
Port	• “port” • wwn • name
Fabric	• “fabric” • wwn • name

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