

## Configuring Search Filters for QoS Profile-Tracking Plug-Ins

The SAE uses a search filter to search service objects in the directory to find QoS services. You can set up the filter to search the values of any attribute in the service object, such as service name, category, or tracking plug-in. The search is successful when a value matches the filter.

To configure the search:

- Create a filter in a format similar to the LDAP search filter. Table 1 lists the values that you can use for filters. Each filter string `<filter>` contains a simplified LDAP query.

**Table 1: Settings for Filter Strings**

Filter String	Action
<code>()</code>	Matches no objects
<code>(*)</code>	Matches all objects
List of <code>&lt;attribute&gt; = &lt;value&gt;</code> pairs  <code>&lt;attribute&gt;</code> —Name of a property or attribute <code>&lt;ldapAttributeName&gt;</code>  <code>&lt;value&gt;</code> —One of the following <ul style="list-style-type: none"><li>■ <code>*</code> (asterisk)</li><li>■ Explicit string</li><li>■ String that contains an <code>*</code> <b>Note:</b> To define a special character (<code>*</code>, <code>&amp;</code>, <code> </code>, <code>\</code>) in a string, precede it with the backslash symbol (<code>\</code>).</li></ul>	<ul style="list-style-type: none"><li>■ If <code>&lt;value&gt;</code> is <code>*</code>, checks for any value.</li><li>■ If <code>&lt;value&gt;</code> is an explicit string, checks whether any value of the property matches the string, regardless of case.</li><li>■ If <code>&lt;value&gt;</code> is a string that contains a <code>*</code>, checks whether any value of the property contains the string, regardless of case.</li></ul>
<code>(&amp; &lt;filter&gt; &lt;filter&gt; ...)</code>	True if all filters match
<code>(  &lt;filter&gt; &lt;filter&gt; ...)</code>	True if at least one filter matches
<code>(! &lt;filter&gt;)</code>	True if the filter does not match

The default is `attribute.trackPlug =`; note that you need to add a search value after the equal sign. For example:

- To search tracking plug-in attributes for any entry that contains qtp:

`(attribute.trackPlug = *qtp*)`

- To search service category attributes for any entry that contains ultra, video on demand, or video telephony:

```
(|(serviceCategory = *ultra*)|(serviceCategory = *video on demand*)(serviceCategory = *video telephony*))
```

**Related Topics**

- Dynamically Managing QoS Profiles
- Configuring QoS Profile-Tracking Plug-Ins (SRC CLI)
- Updating QoS Profile Data in the Directory
- For information about obtaining a list of attribute names for the sspService object class, see the documentation for the LDAP schema in **SDK+AppSupport+Demos+Samples.tar.gz** file in the folder *SDK/doc/ldap* or on the Juniper Networks Web site at

<http://www.juniper.net/techpubs/software/management/src>

- Examples: Searching for QoS Information

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Published: 2009-09-23