

## Keyword Expressions

<https://campus.barracuda.com/doc/46891963/>

### Video

Watch this TechLib Video for a short walkthrough of searching with keyword expressions:



Keyword expressions allow you to construct your own complex queries in Advanced Search, letting you combine multiple keyword-based search terms that follow this basic syntax: **search\_field:phrase**. For example, to search for all messages containing "Alert" or "Notification" anywhere in the **Subject** field,

1. Click the **Basic > Search** tab, and then click **Advanced**.
2. Select **Email** as the item type, and then select **Keyword Expression** as the parameter.
3. In the text field, type: `subject:"Alert" OR "Notification"`.
4. Click **Search** to return all matching search results.

**Table 1. Commonly used search\_field values.**

Term	Description	Search Type
<b>to</b>	Search is limited to the To and Cc fields of each message	Text
<b>from</b>	Search is limited to the From field of each message	Text
<b>domain</b>	Search is limited to the domain names in the From, To, and Cc fields of each message	Domain

<b>subject</b>	Search is limited to the Subject line of each message	Text
<b>body</b>	Searches are performed in the Body of each message as well as in the contents of any message attachments	Text
<b>attachment</b>	Search is limited to the contents of message attachments	Text
<b>all</b>	Searches all fields and all data contained in each message	Text
<b>stored_size</b>	The actual message size on disk	Integer number
<b>size</b>	The raw size of the message	Integer number
<b>header_date</b>	The date header from the mail	Text
<b>header_barracuda_envelope_rcpt_pretty_name</b>	The envelope recipient's pretty name	Text
<b>header_barracuda_envelope_rcpt_user</b>	The envelope recipient	Text
<b>header_bcc</b>	The Bcc: header	Text
<b>header_to</b>	The To: header	Text
<b>header_in_reply_to</b>	The In reply to: header	Text
<b>header_barracuda_envelope_rcpt_domain</b>	The domain of the envelope recipient	Text
<b>header_from</b>	The From: header	Text
<b>header_barracuda_envelope_rcpt_message_mode</b>	Inbound / Outbound / Internal	Text
<b>header_barracuda_envelope_rcpt_addr</b>	Email address of envelope recipient	Text
<b>header_subject</b>	Subject of the email	Text
<b>header_message_id</b>	The message ID header	Text
<b>object_type</b>	Type of entry (calendar, mail, etc.)	Text
<b>body_excerpt</b>	The body of the email	Text
<b>attachment_name</b>	The attachment name	Text
<b>attachment_mimetype</b>	The attachment MIME type	Text

<b>attachment_extension</b>	The attachment's extension	Text
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You may specify other search\_field values as long as the correct name for the field is used. Consult Barracuda Networks Technical Support if you are unsure of the exact syntax.

The **phrase** can only contain a single item. However, that one item can be any one of the following:

- a single Text-based string;
- a single Integer number-based string;
- a single Wildcarded string;
- a single Domain-based string (*for **to** and **from** search\_field only*);
- a single compound search string created by combining multiple strings with the keywords **AND** and **OR**, and grouping the phrases with parentheses to control the logic.

When creating compound search strings, the keywords 'AND' and 'OR' must be capitalized.

**Table 2. Sample keyword expressions.**

<b>to:chrislee</b>	All messages that have "chrislee" in the <b>To</b> or <b>Cc</b> fields.
<b>to:patbrown@mycompany.com</b>	All messages containing "patbrown@mycompany.com" anywhere in the <b>To</b> field.
<b>subject:"Barracuda Message Archiver"</b>	All messages that contain the exact phrase "Barracuda Message Archiver" anywhere in the <b>Subject</b> line.
<b>domain:(barracuda.com OR barracudanetworks.com)</b>	All messages that were sent to or from any user in either the "barracuda.com" or "barracudanetworks.com" <b>domain</b> .
<b>header_barracuda_envelope_rcpt_domain:sub.mycompany.com</b>	All messages sent to any user in the @sub.mycompany.com <b>domain</b> .

## Proximity Syntax Form

For the keyword proximity syntax form, each **keyword** must be in a single Text-based string. Enter the keyword proximity syntax as *search\_field:"keyword keyword"~NumericValue*, where *search\_field* is the part of the email to search through.

**Table 3. Sample proximity syntax.**

<b>subject:"release Barracuda"~4</b>	All messages containing "release" and "Barracuda" in the <b>Subject</b> field within four words of each other.
<b>to:"Zac Britt"~4</b>	All messages containing "Zac" and "Britt" anywhere in the <b>To</b> field within four words of each other.

## Fuzzy Search Syntax Form

Fuzzy search allows you to find words that are similar to a specified search term. For the fuzzy search syntax, enter a single keyword followed by the tilde (~). For the fuzzy search syntax form, the *keyword* must be in a single Text-based string.

**Table 4. Sample fuzzy search syntax.**

<b>roam~</b>	All messages containing words similar to roam, for example, foam, roams.
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