Keyword Expressions

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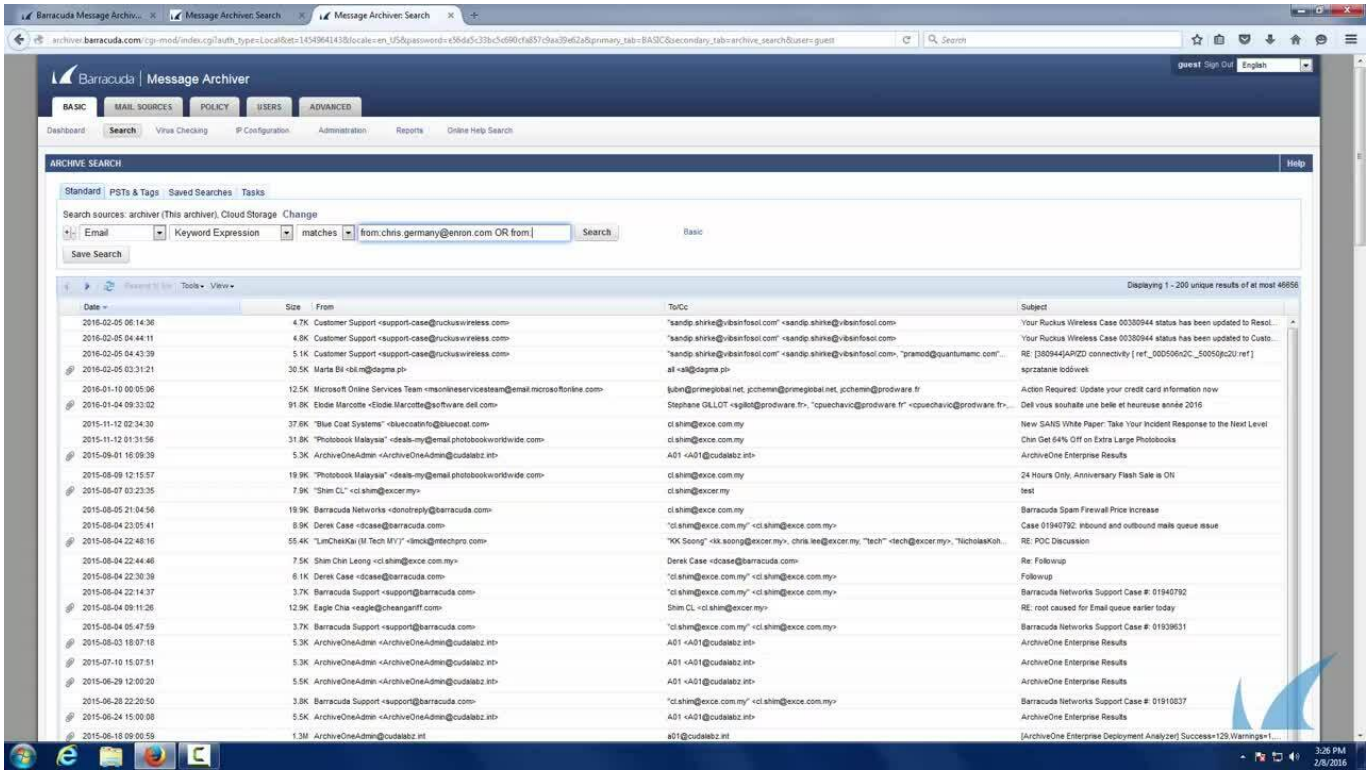
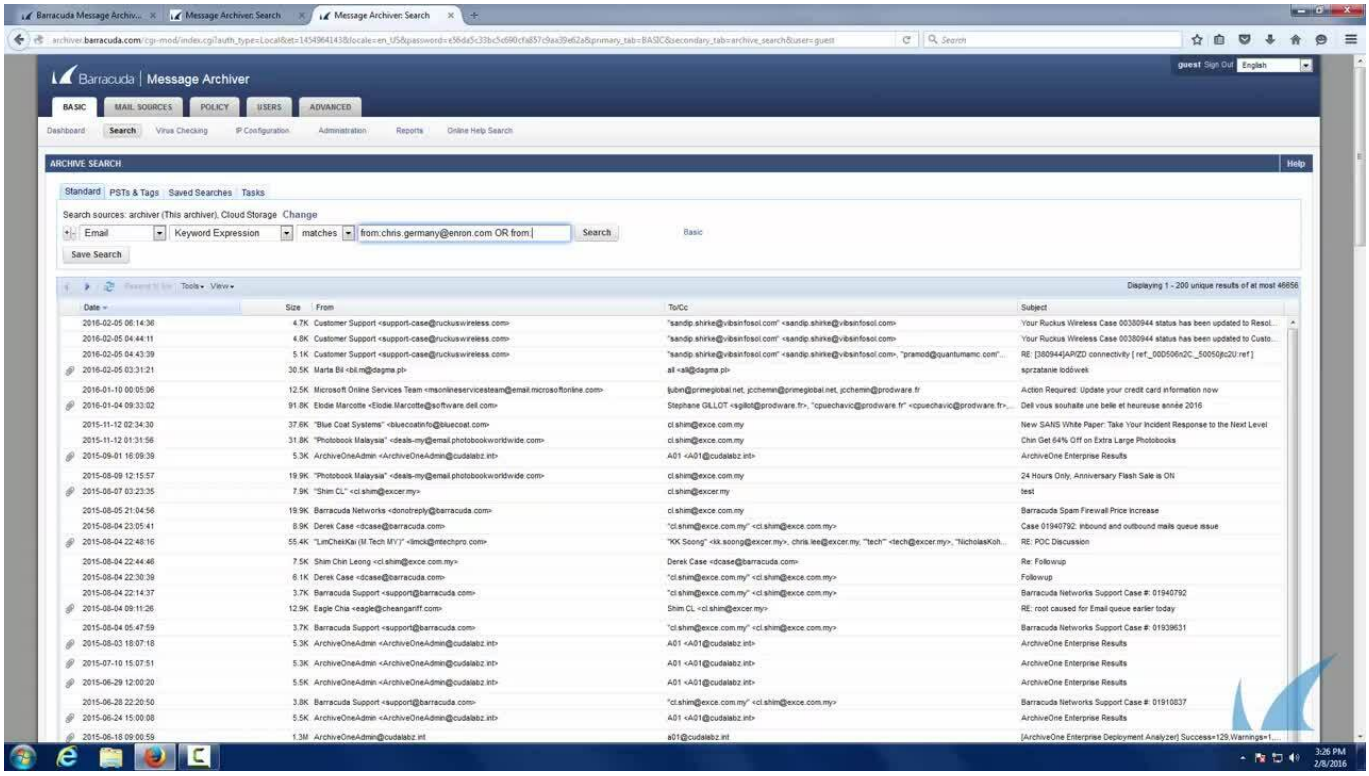
Video

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





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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
to	Search is limited to the To and Cc fields of each message	Text

from	Search is limited to the From field of each message	Text
domain	Search is limited to the domain names in the From, To, and Cc fields of each message	Domain
subject	Search is limited to the Subject line of each message	Text
body	Searches are performed in the Body of each message as well as in the contents of any message attachments	Text
attachment	Search is limited to the contents of message attachments	Text
all	Searches all fields and all data contained in each message	Text
stored_size	The actual message size on disk	Integer number
size	The raw size of the message	Integer number
header_date	The date header from the mail	Text
header_barracuda_envelope_rcpt_pretty_name	The envelope recipient's pretty name	Text
header_barracuda_envelope_rcpt_user	The envelope recipient	Text
header_bcc	The Bcc: header	Text
header_to	The To: header	Text
header_in_reply_to	The In reply to: header	Text
header_barracuda_envelope_rcpt_domain	The domain of the envelope recipient	Text
header_from	The From: header	Text
header_barracuda_envelope_rcpt_message_mode	Inbound / Outbound / Internal	Text
header_barracuda_envelope_rcpt_addr	Email address of envelope recipient	Text
header_subject	Subject of the email	Text
header_message_id	The message ID header	Text

object_type	Type of entry (calendar, mail, etc.)	Text
body_excerpt	The body of the email	Text
attachment_name	The attachment name	Text
attachment_mimetype	The attachment MIME type	Text
attachment_extension	The attachment's extension	Text

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.

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

Table 2. Sample keyword expressions.

to:chrislee	All messages that have "chrislee" in the **To** or **Cc** fields.
to:patbrown@mycompany.com	All messages containing "patbrown@mycompany.com" anywhere in the **To** field.
to:chrislee AND NOT to:patbrown	All message that have "chrislee" and does not have "patbrown" in the **To** field.
to:chrislee AND !to:patbrown	All message that have "chrislee" and does not have "patbrown" in the **To** field.
subject:"Barracuda Message Archiver"	All messages that contain the exact phrase "Barracuda Message Archiver" anywhere in the **Subject** line.

domain:(barracuda.com OR barracudanetworks.com)	All messages that were sent to or from any user in either the "barracuda.com" or "barracudanetworks.com" **domain**.
header_barracuda_envelope_rcpt_domain:sub.mycompany.com	All messages sent to any user in the @sub.mycompany.com **domain**.

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.

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

roam~	All messages containing words similar to roam, for example, foam, roams.

Figures

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