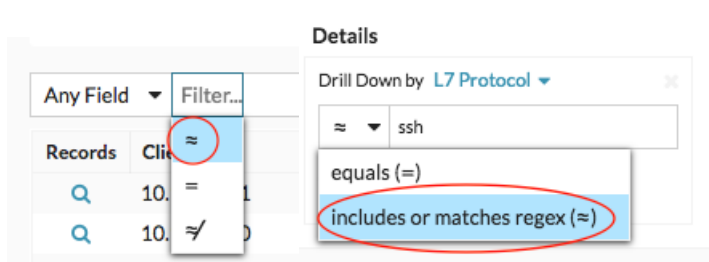


# Create regular expression filters

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Regular expression (regex) is supported in search filters found in the Metric Explorer and on detail metric pages. The examples in this topic show you how to create regex strings for filtering detail metric keys, such as status codes and IP addresses.

Make sure that the `=` operator is selected before entering a regex string into the search field, as shown in the following figures.



**Note:** Regex is not supported in search filters on records pages.

Regex is the most effective when you want to filter data by a parameter contained within the detail metric key, such as a number within any IP address. Regex is also effective for excluding specific keys from charts or displaying a specific combination of keys. Learn more about [drilling down for detail metrics as you edit a chart](#).

Chart Scenario	Regex filter	How it works
Compare HTTP status codes <b>200</b> to <b>404</b> .	<code>(200   404)</code>	Matches <b>200</b> and <b>404</b> codes where the <code> </code> symbol serves as an OR function.
Display any HTTP status code that contains a <b>4</b> .	<code>[4]</code>	Matches any value that contains a <b>4</b> . For example, this filter can return <b>204</b> and <b>400</b> status codes.
Display all <b>500</b> -level HTTP status codes.	<code>^[5]</code>	Matches any value that begins with a <b>5</b> . For example, this filter can return <b>500</b> and <b>502</b> status codes.
Display all <b>400</b> and <b>500</b> -level HTTP status codes.	<code>^[45]</code>	Matches all values that begin with a <b>4</b> or <b>5</b> . For example, this filter can return <b>400</b> , <b>403</b> , and <b>500</b> status codes.
Display any HTTP status codes except <b>200</b> -level status codes.	<code>^(?!2)</code>	Matches all values except values beginning with a <b>2</b> , where <code>^(?!)</code> specifies the range of results to exclude. For example, this filter can return <b>400</b> , <b>500</b> , and <b>302</b> status codes.
Display any IP address with a <b>187</b> .	<code>187.</code>	Matches <b>1</b> , <b>8</b> , and <b>7</b> characters in the IP address.
Review all IP addresses containing <b>187.18</b> .	<code>187\.18\.</code>	Matches <b>187</b> and the character <code>.</code> that follows the <b>187</b> . For example, this filter returns

Chart Scenario	Regex filter	How it works
		<p>results for 187.18.0.0.0, 180.187.0.0.0, or 187.180.0.0.0/16.</p>
<p>Display any IP address except 187.18.197.150.</p>	<p>[^187.18.197.150]</p>	<p>Matches anything except 187.18.197.150, where [^] specifies the exact value to exclude.</p>
<p>Exclude a list of specific IP addresses</p>	<p>[^187.18.197.150   187.18.197.151   187.18.197.152]</p>	<p>Matches anything except 187.18.197.150, 187.18.197.151, and 187.18.197.152, where the   symbol serves as an OR function and [^] specifies the exact values to exclude.</p>