



链滴

about prometheus alerting

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原文链接: <https://ld246.com/article/1610501815581>

来源网站: [链滴](#)

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<p> </p>
<script async src="https://pagead2.googlesyndication.com/pagead/js/adsbygoogle.js" > </script>
<!-- 黑客派PC帖子内嵌-展示 -->
<ins class="adsbygoogle" style="display:block" data-ad-client="ca-pub-5357405790190342" data-ad-slot="8316640078" data-ad-format="auto" data-full-width-responsive="true" > </ins>
<script>
  (adsbygoogle = window.adsbygoogle || []).push({});
</script>
<h2 id="1-Alerting-with-Prometheus-is-separated-in-to-two-parts">1.Alerting with Prometheus is separated in to two parts</h2>
<h2 id="1-1Alerting-rules">1-1Alerting rules</h2>
<ul>
  <li>Alerting rules is a file that formatted by yml,it's define some exp in to the yaml file.</li>
  <li>Alerting rules is in Prometheus servers send alerts to an alert manager and alert manager managed those alerts.</li>
</ul>
<p>the rule document in there: <a href="https://link.ld246.com/forward?goto=https%3A%2F%2Fblog.eiyouhe.com%2Farticles%2F2021%2F01%2F04%2F1609740000025.html" target="_blank" rel="nofollow ugc">the rules doc</a> </p>
<h2 id="1-2Alerting-Manager">1-2Alerting Manager</h2>
<ul>
  <li> <p>AlertingManager is a command line tool and the command line tool flags has those unctions</p>
    <ul>
      <li>configure immutable system parameters</li>
      <li>configuration file defines inhibition rules</li>
      <li>configuration notification routing</li>
      <li>configuration notification receivers</li>
      <li><a href="https://link.ld246.com/forward?goto=https%3A%2F%2Fwww.prometheus.io%2Fwebtools%2Falerting%2Frouting-tree-editor%2F" target="_blank" rel="nofollow ugc">router editor</a> </li>
    </ul>
  </li>
  <li> <p>Alerting notifications steps</p>
    <ul>
      <li>Setup and configure the alert manager</li>
      <li>Configure Prometheus to talk to the alert manager</li>
      <li>Create alerting rules in Prometheus</li>
    </ul>
  </li>
</ul>
<h3 id="1-2-1-Configs">1-2-1 Configs</h3>
<ul>
  <li>config.file: specify which configuration file to load <code>./alertmanager --config.file=alertmanager.yml</code>
    <ul>
      <li>the file written in the YAML format and defined by the scheme described below
        <ul>
          <li><code>&lt;duration&gt;</code>: a duration matching the regular expression <code>[0-9]+(ms|[smhdwy])</code> </li>
          <li><code>&lt;labelname&gt;</code>: a string matching the regular expression <code>[a-zA-Z_][a-zA-Z0-9_]*</code> </li>
          <li><code>&lt;labelvalue&gt;</code>: a string of unicode characters</li>
        </ul>
      </li>
    </ul>
  </li>
</ul>
```

- <code><filepath></code>: a valid path in the current working directory
- <code><boolean></code>: a boolean that can take the values true or false

- <code><string></code>: a regular string
- <code><secret></code>: a regular string that is a secret, such as a password

- <code><tmpl_string></code>: a string which is template-expanded before usage
- <code><tmpl_secret></code>: a string which is template-expanded before usage that is a secret
- <code><int></code>: an integer value

there is the [simple file](https://link.ld246.com/forward?goto=https%3A%2F%2Fgithub.com%2Fprometheus%2Falertmanager%2Fblob%2Fmaster%2Fdoc%2Fexamples%2Fsimple.yml) and [some configs](https://link.ld246.com/forward?goto=https%3A%2F%2Fprometheus.io%2Fdocs%2Falerting%2Flatest%2Fconfiguration%2Ftarget=_blank)

1-2-2 Cores

- Grouping

 - Grouping categorizes alerts of similar nature into a single notification.
- Inhibition

 - Inhibition is a concept of suppressing notifications for certain alerts if certain other alerts are already firing
- Silences

 - Silences are a straightforward way to simply mute alerts for a given time.
 - A silence is configured based on matchers, just like the routing tree.
 - Silences are configured in the web interface of the Alert manager.

1-2-3 Notification template Reference

1-2-3-1 Data structures

data

Name	Type	Notes
Receiver	string	The notification will be sent to

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</tr>
<tr>
  <td>Status</td>
  <td>string</td>
  <td>Defined as firing if at least one alert is firing, otherwise resolved</td>
</tr>
<tr>
  <td>Alerts</td>
  <td>Alert</td>
  <td>List of all alert objects in this group</td>
</tr>
<tr>
  <td>GroupLabels</td>
  <td>kv</td>
  <td>The labels these alerts were grouped by</td>
</tr>
<tr>
  <td>CommonLabels</td>
  <td>kv</td>
  <td>The labels common to all of the alerts</td>
</tr>
<tr>
  <td>CommonAnnotations</td>
  <td>kv</td>
  <td>set of common annotations to all of the alerts. Used for longer additional strings of information about the alert</td>
</tr>
<tr>
  <td>ExternalURL</td>
  <td>string</td>
  <td>Backlink to the alert manager that sent the notification</td>
</tr>
</tbody>
</table>
<p>alert</p>
<table>
  <thead>
    <tr>
      <th>Name</th>
      <th>Type</th>
      <th>Notes</th>
    </tr>
  </thead>
  <tbody>
    <tr>
      <td>Status</td>
      <td>string</td>
      <td>Defines whether or not the alert is resolved or currently firing</td>
    </tr>
    <tr>
      <td>Labels</td>
      <td>kv</td>
      <td>A set of labels to be attached to the alert</td>
    </tr>
  </tbody>
</table>

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<tr>
  <td>Annotations</td>
  <td>kv</td>
  <td>A set of annotations for the alert</td>
</tr>
<tr>
  <td>StartsAt</td>
  <td>time.Time</td>
  <td>The time the alert started firing</td>
</tr>
<tr>
  <td>EndsAt</td>
  <td>time.Time</td>
  <td>Only set if the end time of an alert is know</td>
</tr>
<tr>
  <td>GeneratorURL</td>
  <td>string</td>
  <td>A backlink which identifies the causing entity of this alert</td>
</tr>
</tbody>
</table>
<p>kv</p>
<table>
  <thead>
    <tr>
      <th>Name</th>
      <th>Args</th>
      <th>Returns</th>
      <th>Notes</th>
    </tr>
  </thead>
  <tbody>
    <tr>
      <td>SortedPairs</td>
      <td>-</td>
      <td>Pairs(list of key/value string pairs)</td>
      <td>Return s a sorted list of key/value pairs</td>
    </tr>
    <tr>
      <td>Remove</td>
      <td>[] string</td>
      <td>kv</td>
      <td>Returns a copy of the key/value map without the given keys.</td>
    </tr>
    <tr>
      <td>Names</td>
      <td>-</td>
      <td>[]string</td>
      <td>Returns the names of the label names in the labelset</td>
    </tr>
    <tr>
      <td>Values</td>
      <td>-</td>

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    <td> []string</td>
    <td>Returns the list of values in the labelset</td>
</tr>
</tbody>
</table>
<p>functions</p>
<table>
<thead>
<tr>
<th>Name</th>
<th>Args</th>
<th>Returns</th>
</tr>
</thead>
<tbody>
<tr>
<td>title</td>
<td>string</td>
<td>strings.Title, capitalises first character of each word</td>
</tr>
<tr>
<td>toUpper</td>
<td>string</td>
<td>-</td>
</tr>
<tr>
<td>toLowerCase</td>
<td>string</td>
<td>-</td>
</tr>
<tr>
<td>match</td>
<td>pattern,string</td>
<td>Regexp.MatchString.Match a string using Regexp</td>
</tr>
<tr>
<td>replaceAll</td>
<td>pattern,replacement,text</td>
<td>Regexp.ReplaceAllString Regexp substitution,unanchored</td>
</tr>
<tr>
<td>join</td>
<td>sep string,s []string</td>
<td>strings.join</td>
</tr>
<tr>
<td>safeHtml</td>
<td>text string</td>
<td>html/template.HTML</td>
</tr>
<tr>
<td>stringSlice</td>
<td>...string</td>
<td>Returns the passed strings as a slice of strings</td>

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</tr>  
</tbody>  
</table>
```