

## Сервис для PostgreSQL.

```
20.107.99.125
Terminal Sessions View X server Tools Games Settings Macros Help
Session Servers Tools Games Sessions View Split MultiExec Tunneling Packages Settings Help
Quick connect...
/home/azureuser/geekbrains-containeriz
Name
  deployment-with-probes.yaml
  ingress.yaml
  net-tool.yaml
  service.yaml
Stop
Follow terminal folder
Remote monitoring
UNREGISTERED VERSION - Please support MobaXterm by subscribing to the professional edition here: https://mobaxterm.mobatek.net
20:42
```

```
azureuser@VM-1-Microservice:~/geekbrains-containerization/homework/5.kubernetes-network$ kubectl get pod -o wide
NAME                                READY    STATUS    RESTARTS   AGE   IP              NODE     NOMINATED
NODE   READINESS GATES
my-deployment-postgresql-7459f47977-7bpzj  1/1      Running   0           9h    172.17.0.4      minikube  <none>

azureuser@VM-1-Microservice:~/geekbrains-containerization/homework/5.kubernetes-network$ kubectl get service
NAME      TYPE      CLUSTER-IP   EXTERNAL-IP   PORT(S)          AGE
database  NodePort  10.109.175.101 <none>         5432:30020/TCP    12m
kubernetes ClusterIP  10.96.0.1      <none>         443/TCP          12d

azureuser@VM-1-Microservice:~/geekbrains-containerization/homework/5.kubernetes-network$ kubectl describe service database
Name: database
Namespace: default
Labels: <none>
Annotations: <none>
Selector: app=my-app
Type: NodePort
IP Family Policy: Singlestack
IP Families: IPv4
IP: 10.109.175.101
IPs: 10.109.175.101
Port: <unset> 5432/TCP
TargetPort: <unset> 5432/TCP
NodePort: <unset> 30020/TCP
Endpoints: 172.17.0.4:5432
Session Affinity: None
External Traffic Policy: cluster
Events: <none>
azureuser@VM-1-Microservice:~/geekbrains-containerization/homework/5.kubernetes-network$
```

Вопрос: В Selector сервиса имя должно быть как у Pod (в место my-app должно быть my-deployment....) или без разницы?

## Сервис для REDMINE:

```
20.107.99.125
Terminal Sessions View X server Tools Games Settings Macros Help
Session Servers Tools Games Sessions View Split MultiExec Tunneling Packages Settings Help
Quick connect...
/home/azureuser/geekbrains-containeriz
Name
  deployment-with-probes.yaml
  ingress.yaml
  net-tool.yaml
  service.yaml
Stop
Follow terminal folder
Remote monitoring
UNREGISTERED VERSION - Please support MobaXterm by subscribing to the professional edition here: https://mobaxterm.mobatek.net
20:42
```

```
azureuser@VM-1-Microservice:~/geekbrains-containerization/homework/5.kubernetes-network$ kubectl get secret
NAME                                TYPE      DATA   AGE
default-token-f9kzm                kubernetes.io/service-account-token  3       12d
my-secret                           Opaque    1       23h
secret-redmine                      Opaque    2       7m47s

azureuser@VM-1-Microservice:~/geekbrains-containerization/homework/5.kubernetes-network$ kubectl get service
NAME      TYPE      CLUSTER-IP   EXTERNAL-IP   PORT(S)          AGE
database  NodePort  10.109.175.101 <none>         5432:30020/TCP    81m
kubernetes ClusterIP  10.96.0.1      <none>         443/TCP          12d
service-redmine NodePort  10.106.68.60  <none>         3000:32090/TCP    7m45s

azureuser@VM-1-Microservice:~/geekbrains-containerization/homework/5.kubernetes-network$ kubectl get pods
NAME                                READY    STATUS    RESTARTS   AGE
my-app-9c7b74b6f-xfzwx              1/1      Running   0           7m34s
my-deployment-postgresql-7459f47977-7bpzj  1/1      Running   0           10h

azureuser@VM-1-Microservice:~/geekbrains-containerization/homework/5.kubernetes-network$ kubectl describe service secret-redmine
Error from server (NotFound): services "secret-redmine" not found

azureuser@VM-1-Microservice:~/geekbrains-containerization/homework/5.kubernetes-network$ kubectl describe service service-redmine
Name: service-redmine
Namespace: default
Labels: <none>
Annotations: <none>
Selector: app=my-app
Type: NodePort
IP Family Policy: Singlestack
IP Families: IPv4
IP: 10.106.68.60
IPs: 10.106.68.60
Port: <unset> 3000/TCP
TargetPort: <unset> 3000/TCP
NodePort: <unset> 32090/TCP
Endpoints: 172.17.0.3:3000,172.17.0.4:3000
Session Affinity: None
External Traffic Policy: cluster
Events: <none>
azureuser@VM-1-Microservice:~/geekbrains-containerization/homework/5.kubernetes-network$
```

Service-redmine смотрит в 2 PODa.

# СКРИНШОТ

```
Terminal Sessions View X server Tools Games Settings Macros Help
192.168.49.2
azuresuser@VM-l-Microservice:~/geekbrains-containerization/homework/5.kubernetes-network$ minikube ip
192.168.49.2
azuresuser@VM-l-Microservice:~/geekbrains-containerization/homework/5.kubernetes-network$ curl 192.168.49.2:32090
<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="utf-8" />
<meta http-equiv="X-UA-Compatible" content="IE=edge"/>
<title>Redmine</title>
<meta name="viewport" content="width=device-width, initial-scale=1">
<meta name="description" content="Redmine" />
<meta name="keywords" content="issue,bug,tracker" />
<meta name="csrf-param" content="authenticity_token" />
<meta name="csrf-token" content="CSsMBpyeesDm6HjPtp008rkjMr5EzNy6gz0MgFuja2lg1sygzqoylpcC7HKuIRUNwC0JUYE67Zw47Llkow==" />
<link rel="shortcut icon" href="/favicon.ico?1586192449" />
<link rel="stylesheet" media="all" href="/stylesheets/jquery/jquery-ui-1.11.0.css?1586192448" />
<link rel="stylesheet" media="all" href="/stylesheets/tribute-3.7.3.css?1586192449" />
<link rel="stylesheet" media="all" href="/stylesheets/application.css?1586192449" />
<link rel="stylesheet" media="all" href="/stylesheets/responsive.css?1586192449" />

<script src="/javascripts/jquery-2.2.4-ui-1.11.0-ujs-5.2.3.js?1586192448"></script>
<script src="/javascripts/tribute-3.7.3.min.js?1586192448"></script>
<script src="/javascripts/application.js?1586192449"></script>
<script src="/javascripts/responsive.js?1586192449"></script>
<script>
//
$(window).on('load', function() { warnLeavingUnsaved('The current page contains unsaved text that will be lost if you leave this page.')}};
//]]&gt;
&lt;/script&gt;

&lt;!-- page specific tags --&gt;
&lt;link rel="alternate" type="application/atom+xml" title="Redmine: Latest news" href="http://192.168.49.2:32090/news.atom"/&gt;
&lt;link rel="alternate" type="application/atom+xml" title="Redmine: Activity" href="http://192.168.49.2:32090/activity.atom"/&gt;
&lt;/head&gt;
&lt;body class="controller-welcome action-index avatars-off"&gt;
&lt;div id="wrapper"&gt;
&lt;div class="flyout-menu js-flyout-menu"&gt;

&lt;div class="flyout-menu_search"&gt;
&lt;form action="/search" accept-charset="UTF-8" name="form-67e4eade" method="get"&gt;&lt;input name="utf8" type="hidden" value="&amp;#x2713;" /&gt;

&lt;label class="search-magnifier search-magnifier--flyout" for="flyout-search"&gt;&amp;#9906;&lt;/label&gt;
&lt;input type="text" name="q" id="flyout-search" class="small js-search-input" placeholder="search" /&gt;
&lt;/form&gt;

&lt;/div&gt;

&lt;div id="wrapper2"&gt;
&lt;div id="wrapper3"&gt;
&lt;div id="top-menu"&gt;
&lt;div id="account"&gt;
&lt;ul&gt;&lt;li&gt;&lt;a class="login" href="/login"&gt;sign in&lt;/a&gt;&lt;/li&gt;&lt;li&gt;&lt;a class="register" href="/account/register"&gt;register&lt;/a&gt;&lt;/li&gt;&lt;/ul&gt;
&lt;/div&gt;

&lt;div id="header"&gt;
&lt;a href="#" class="mobile-toggle-button js-flyout-menu-toggle-button"&gt;&lt;/a&gt;
&lt;div id="quick-search"&gt;
&lt;form action="/search" accept-charset="UTF-8" name="form-67a23db1" method="get"&gt;&lt;input name="utf8" type="hidden" value="&amp;#x2713;" /&gt;
&lt;input type="hidden" name="scope" /&gt;
&lt;label for="q"&gt;
&lt;a accesskey="4" href="/search"&gt;Search&lt;/a&gt;:
&lt;input type="text" name="q" id="q" size="20" class="small" accesskey="f" data-auto-complete="true" data-issues-url="/issues/auto-complete?qa" /&gt;
&lt;/form&gt;
&lt;div id="project-jump" class="drdn"&gt;&lt;span class="drdn-trigger"&gt;Jump to a project...&lt;/span&gt;&lt;div class="drdn-content"&gt;&lt;div class="quick-search"&gt;&lt;input type="text" name="q" id="projects-quick-search" value="" class="autocomplete" data-autocomplete-url="/projects/autocomplete.js?jumpwelcome" autocomplete="off" /&gt;&lt;/div&gt;&lt;div class="drdn-items projects selection"&gt;&lt;/div&gt;&lt;div class="drdn-items all-projects selection"&gt;&lt;a href="/projects?jumpwelcome"&gt;All Projects&lt;/a&gt;&lt;/div&gt;&lt;/div&gt;&lt;/div&gt;
&lt;/div&gt;
&lt;div id="Redmine"&gt;&lt;/div&gt;
&lt;/div&gt;
&lt;div id="main" class="nosidebar"&gt;
&lt;div id="sidebar"&gt;
&lt;/div&gt;
&lt;div id="content"&gt;
&lt;h2&gt;Home&lt;/h2&gt;
&lt;div class="splitcontent"&gt;
&lt;div class="splitcontentleft"&gt;
&lt;div class="wiki"&gt;
&lt;/div&gt;
&lt;/div&gt;
&lt;div class="splitcontentright"&gt;
&lt;/div&gt;
&lt;/div&gt;
&lt;div style="clear:both;"&gt;&lt;/div&gt;
&lt;/div&gt;
&lt;div id="Footer"&gt;
Powered by &lt;a href="https://www.redmine.org/"&gt;Redmine&lt;/a&gt; &amp;copy; 2006-2020 Jean-Philippe Lang
&lt;/div&gt;
&lt;div id="ajax-indicator" style="display:none;"&gt;&lt;span&gt;Loading...&lt;/span&gt;&lt;/div&gt;
&lt;div id="ajax-modal" style="display:none;"&gt;&lt;/div&gt;
&lt;/div&gt;
&lt;/body&gt;
&lt;/html&gt;
azuresuser@VM-l-Microservice:~/geekbrains-containerization/homework/5.kubernetes-network$</pre></div><div data-bbox="138 480 932 787" data-label="Code-Block"><pre>Terminal Sessions View X server Tools Games Settings Macros Help
192.168.49.2
azuresuser@VM-l-Microservice:~/geekbrains-containerization/homework/5.kubernetes-network$ minikube ip
192.168.49.2
azuresuser@VM-l-Microservice:~/geekbrains-containerization/homework/5.kubernetes-network$ curl 192.168.49.2:32090
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&lt;link rel="alternate" type="application/atom+xml" title="Redmine: Latest news" href="http://192.168.49.2:32090/news.atom"/&gt;
&lt;link rel="alternate" type="application/atom+xml" title="Redmine: Activity" href="http://192.168.49.2:32090/activity.atom"/&gt;
&lt;/head&gt;
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&lt;div id="wrapper"&gt;
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&lt;div class="flyout-menu_search"&gt;
&lt;form action="/search" accept-charset="UTF-8" name="form-67e4eade" method="get"&gt;&lt;input name="utf8" type="hidden" value="&amp;#x2713;" /&gt;

&lt;label class="search-magnifier search-magnifier--flyout" for="flyout-search"&gt;&amp;#9906;&lt;/label&gt;
&lt;input type="text" name="q" id="flyout-search" class="small js-search-input" placeholder="search" /&gt;
&lt;/form&gt;

&lt;/div&gt;

&lt;div id="wrapper2"&gt;
&lt;div id="wrapper3"&gt;
&lt;div id="top-menu"&gt;
&lt;div id="account"&gt;
&lt;ul&gt;&lt;li&gt;&lt;a class="login" href="/login"&gt;sign in&lt;/a&gt;&lt;/li&gt;&lt;li&gt;&lt;a class="register" href="/account/register"&gt;register&lt;/a&gt;&lt;/li&gt;&lt;/ul&gt;
&lt;/div&gt;

&lt;div id="header"&gt;
&lt;a href="#" class="mobile-toggle-button js-flyout-menu-toggle-button"&gt;&lt;/a&gt;
&lt;div id="quick-search"&gt;
&lt;form action="/search" accept-charset="UTF-8" name="form-67a23db1" method="get"&gt;&lt;input name="utf8" type="hidden" value="&amp;#x2713;" /&gt;
&lt;input type="hidden" name="scope" /&gt;
&lt;label for="q"&gt;
&lt;a accesskey="4" href="/search"&gt;Search&lt;/a&gt;:
&lt;input type="text" name="q" id="q" size="20" class="small" accesskey="f" data-auto-complete="true" data-issues-url="/issues/auto-complete?qa" /&gt;
&lt;/form&gt;
&lt;div id="project-jump" class="drdn"&gt;&lt;span class="drdn-trigger"&gt;Jump to a project...&lt;/span&gt;&lt;div class="drdn-content"&gt;&lt;div class="quick-search"&gt;&lt;input type="text" name="q" id="projects-quick-search" value="" class="autocomplete" data-autocomplete-url="/projects/autocomplete.js?jumpwelcome" autocomplete="off" /&gt;&lt;/div&gt;&lt;div class="drdn-items projects selection"&gt;&lt;/div&gt;&lt;div class="drdn-items all-projects selection"&gt;&lt;a href="/projects?jumpwelcome"&gt;All Projects&lt;/a&gt;&lt;/div&gt;&lt;/div&gt;&lt;/div&gt;
&lt;/div&gt;
&lt;div id="Redmine"&gt;&lt;/div&gt;
&lt;/div&gt;
&lt;div id="main" class="nosidebar"&gt;
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&lt;/div&gt;
&lt;div id="content"&gt;
&lt;h2&gt;Home&lt;/h2&gt;
&lt;div class="splitcontent"&gt;
&lt;div class="splitcontentleft"&gt;
&lt;div class="wiki"&gt;
&lt;/div&gt;
&lt;/div&gt;
&lt;div class="splitcontentright"&gt;
&lt;/div&gt;
&lt;/div&gt;
&lt;div style="clear:both;"&gt;&lt;/div&gt;
&lt;/div&gt;
&lt;div id="Footer"&gt;
Powered by &lt;a href="https://www.redmine.org/"&gt;Redmine&lt;/a&gt; &amp;copy; 2006-2020 Jean-Philippe Lang
&lt;/div&gt;
&lt;div id="ajax-indicator" style="display:none;"&gt;&lt;span&gt;Loading...&lt;/span&gt;&lt;/div&gt;
&lt;div id="ajax-modal" style="display:none;"&gt;&lt;/div&gt;
&lt;/div&gt;
&lt;/body&gt;
&lt;/html&gt;
azuresuser@VM-l-Microservice:~/geekbrains-containerization/homework/5.kubernetes-network$</pre></div>
```