



perfSONAR Lookup Service reporting dashboards

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AMRES

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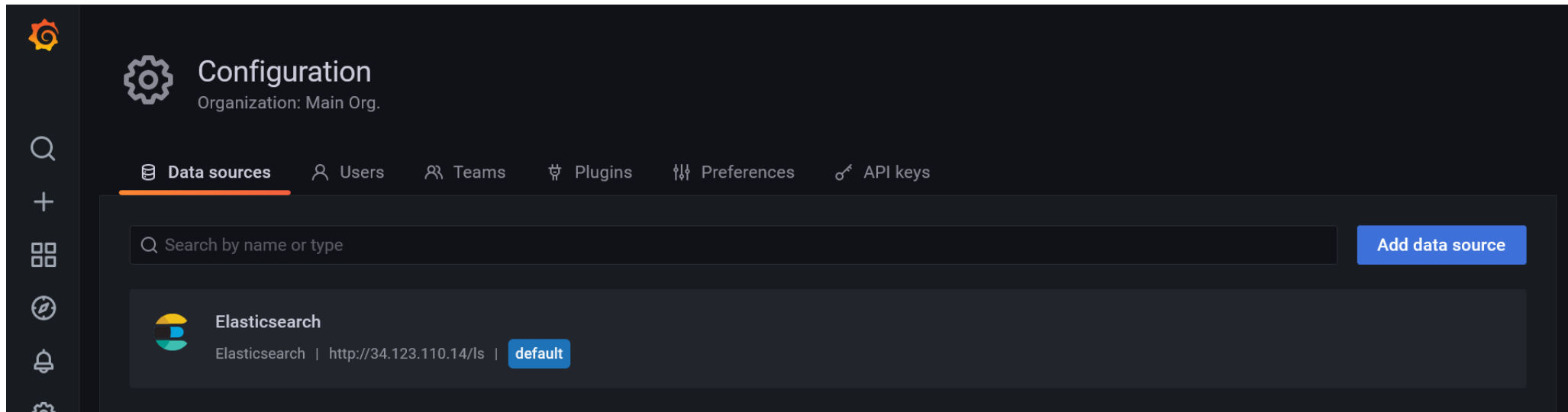
3rd European perfSONAR User Workshop

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perfSONAR Elasticsearch API

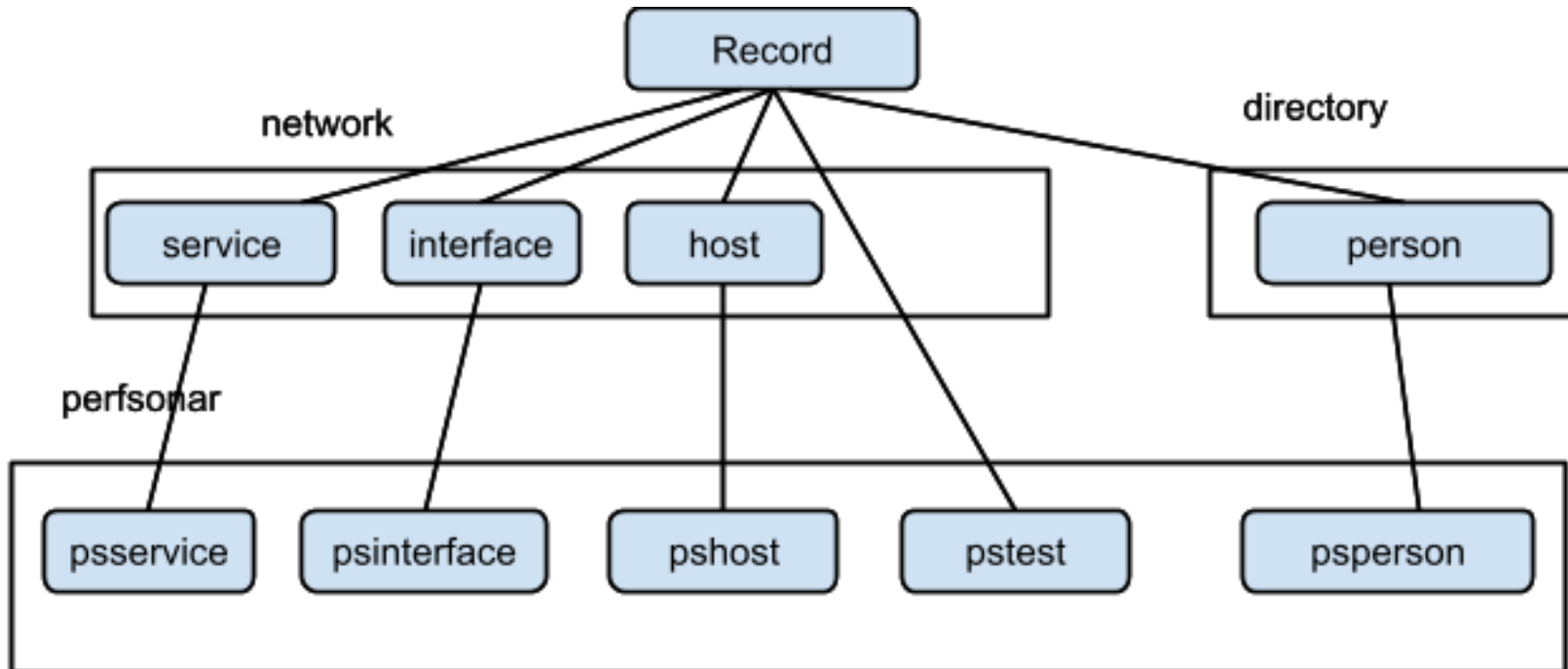
GET/POST http://34.123.110.14/ls/lookup/_search

```
{  
  query...  
}
```



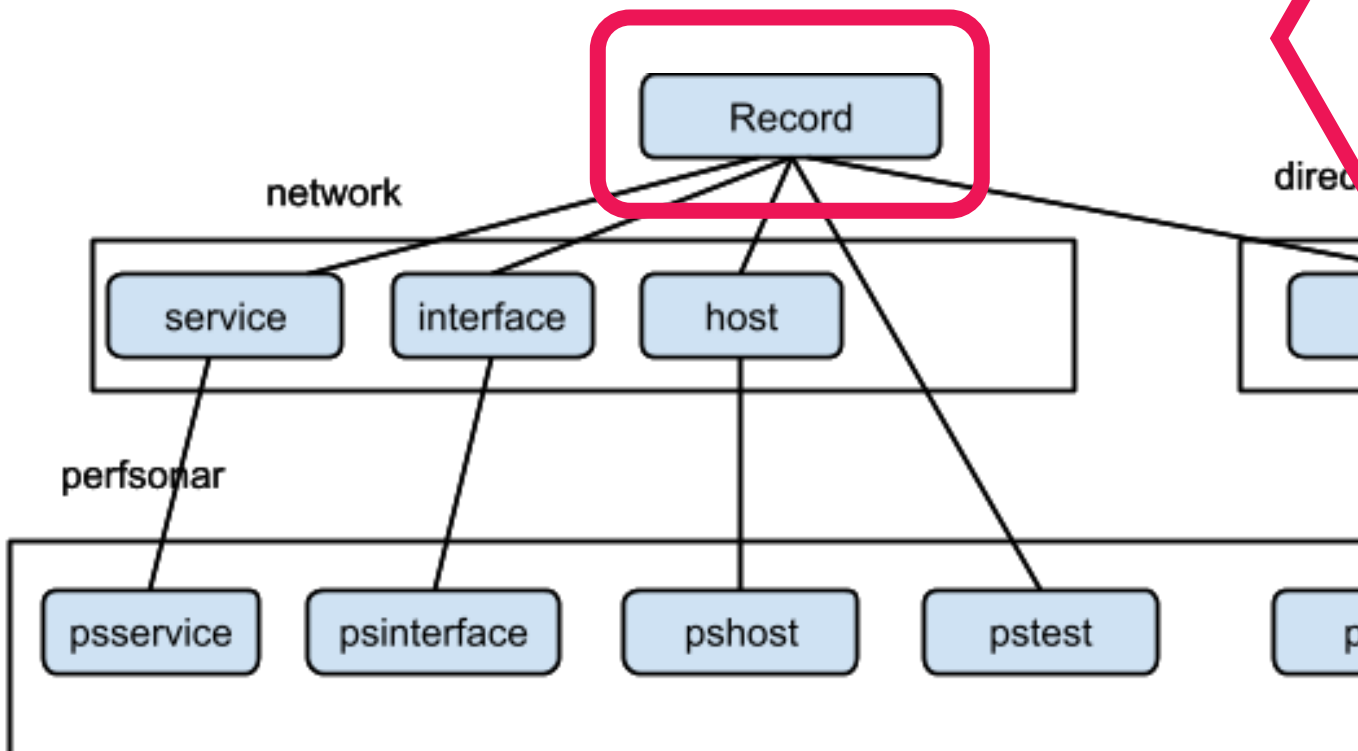


perfSONAR Lookup Service records





Lookup Service “base” record



```
"expires" : {  
  "type" : "date"  
},  
"state" : {  
  "type" : "keyword"  
},  
"type" : {  
  "type" : "keyword"  
},  
"uri" : {  
  "type" : "keyword"  
},  
"client-uuid" : {  
  "type" : "keyword"  
},
```

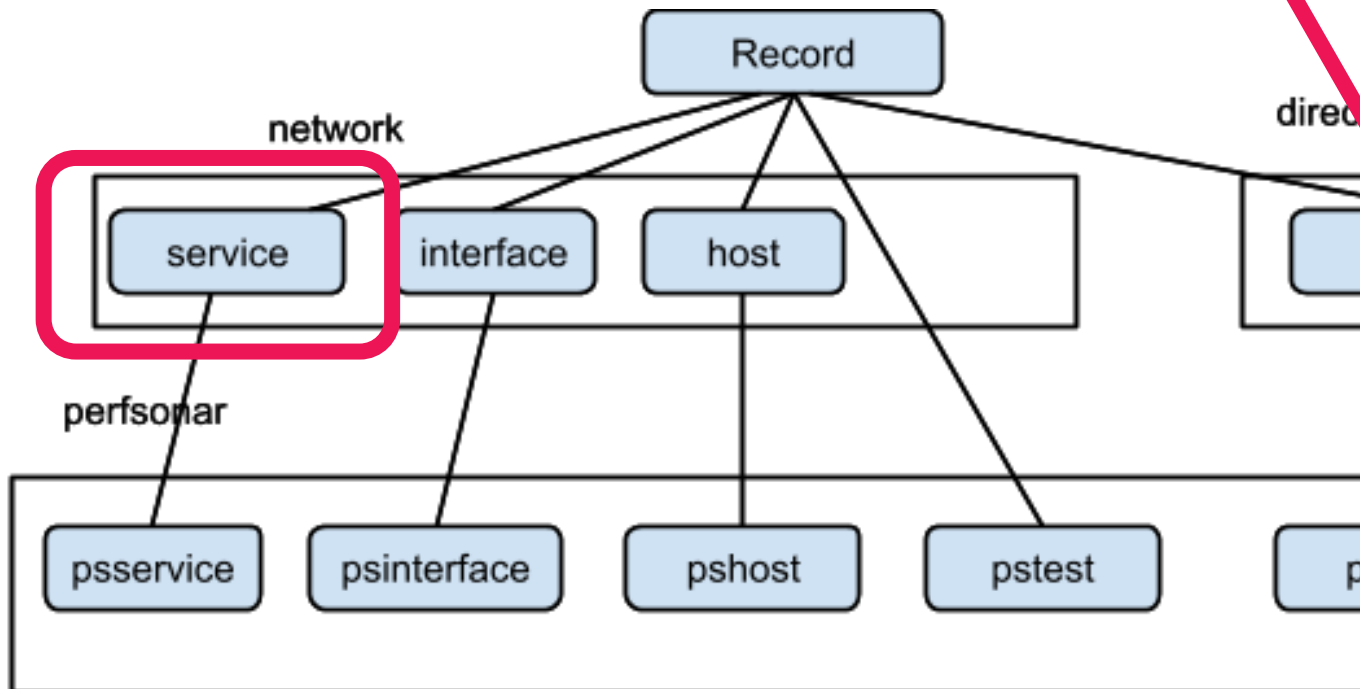
Elasticsearch Data Source Plugin for Grafana

The screenshot shows the Grafana configuration page for an Elasticsearch data source. The page is titled "Data Sources / Elasticsearch" and has a "Type: Elasticsearch" label. A "Settings" dropdown menu is visible at the top. The configuration is organized into several sections:

- Name:** "Elasticsearch" with a "Default" toggle switch.
- HTTP:**
 - URL:** "http://34.123.110.14/lis"
 - Access:** "Server (default)" with a "Help" link.
 - Allowed cookies:** "New tag (enter key to add)"
 - Timeout:** "Timeout in seconds"
- Elasticsearch details:**
 - Index name:** "lookup" (highlighted with a red box)
 - Pattern:** "No pattern"
 - Time field name:** "expires"
 - Version:** "7.0+"
 - Max concurrent Shard Requests:** "5"
 - Min time interval:** "10s"
 - X-Pack enabled:** (toggle switch)
- Logs:**
 - Message field name:** "_source"
 - Level field name:** (empty)



Lookup Service records of “service” type



service-administrators

service-host

service-locator

service-name

service-type

service-version

location-city

location-code

location-country

location-latitude

location-longitude

location-sitename

location-state

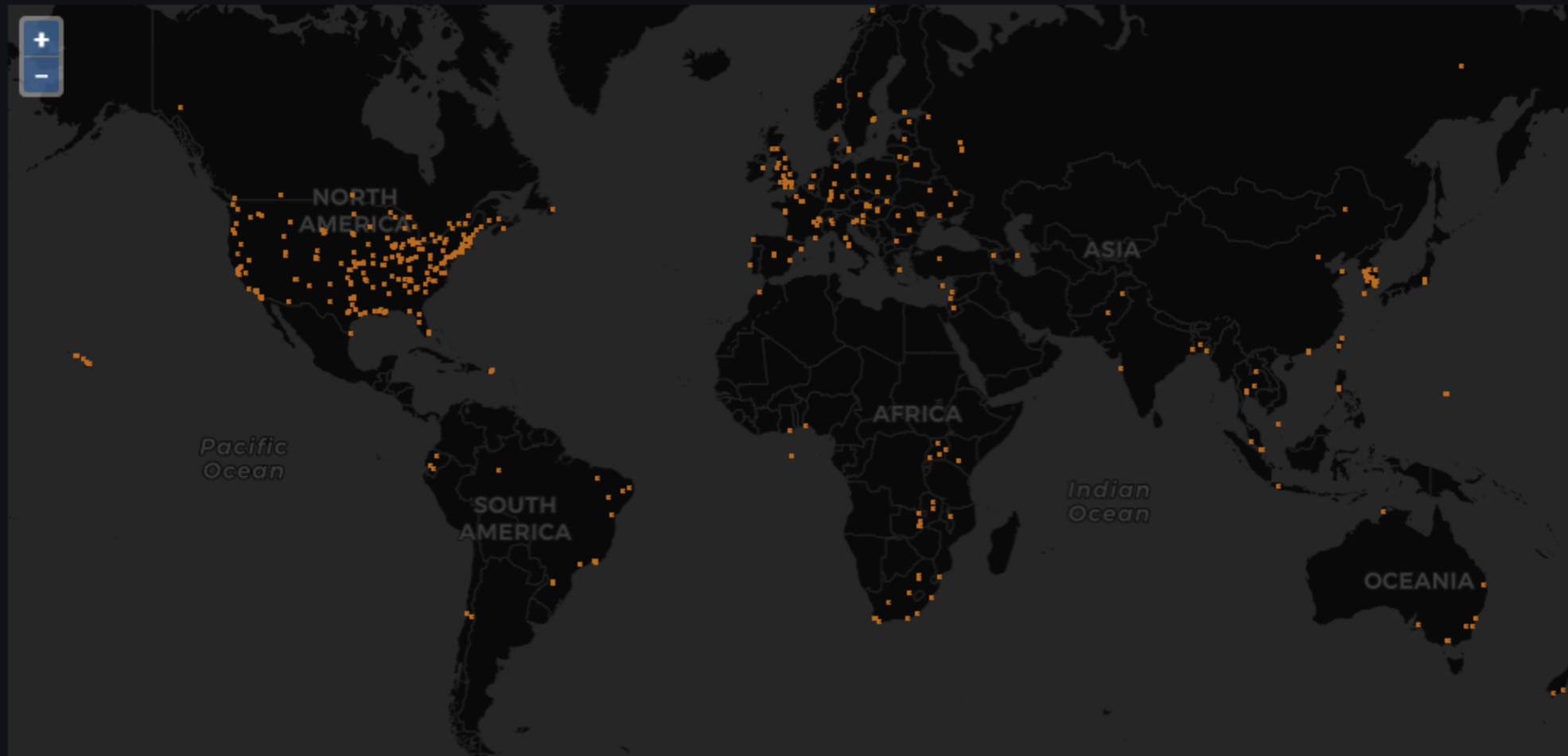
group-communities

group-domains

LS records of “service” type

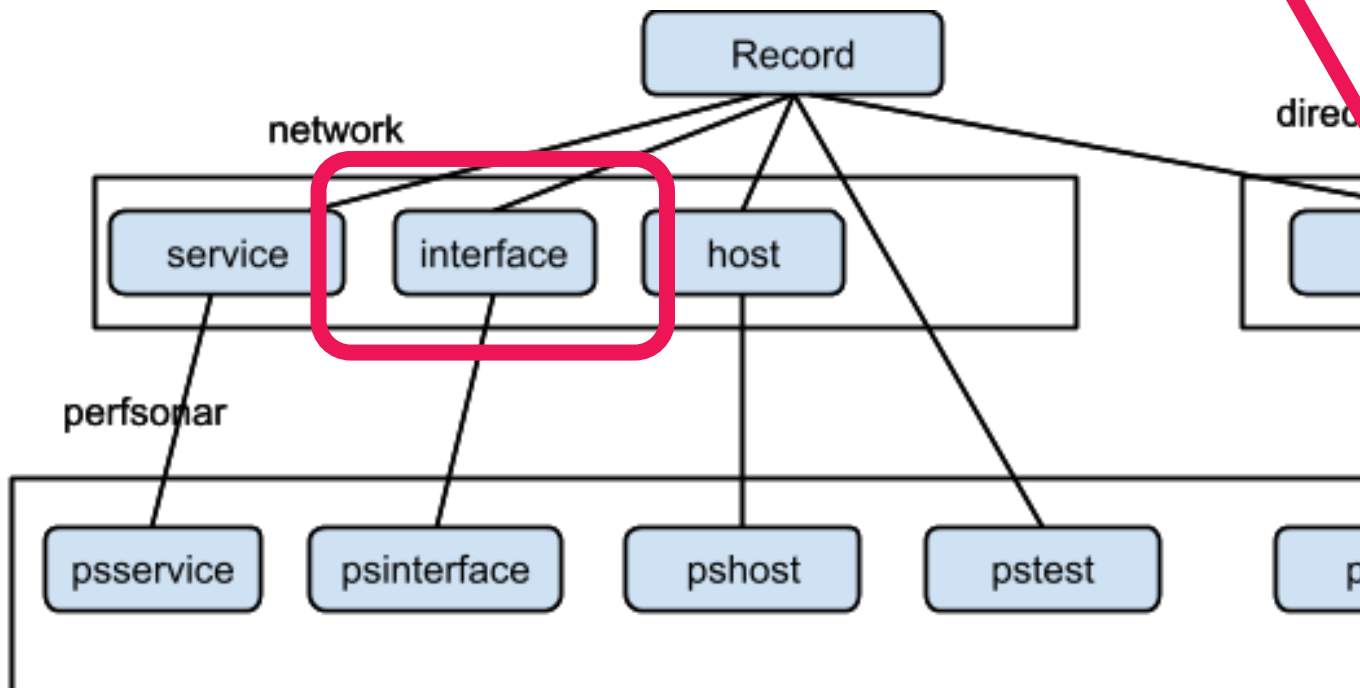
perfSONAR services ▾
7888

Services Locations





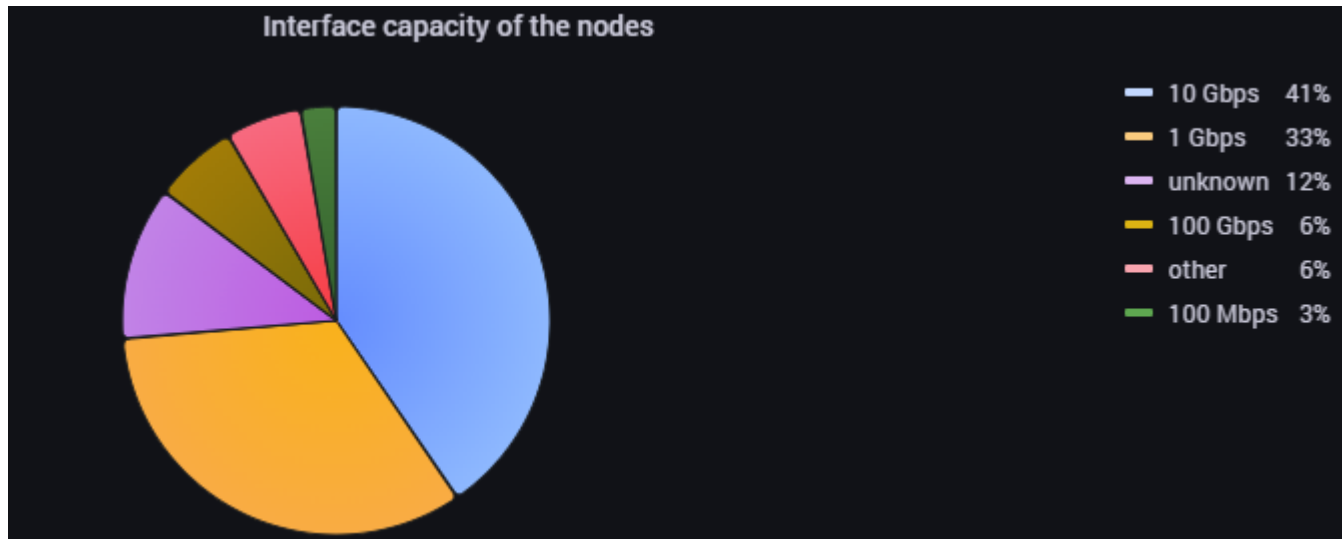
Lookup Service records of “interface” type



- interface-name
- interface-addresses
- interface-capacity
- interface-mac
- interface-mtu
- group-domains

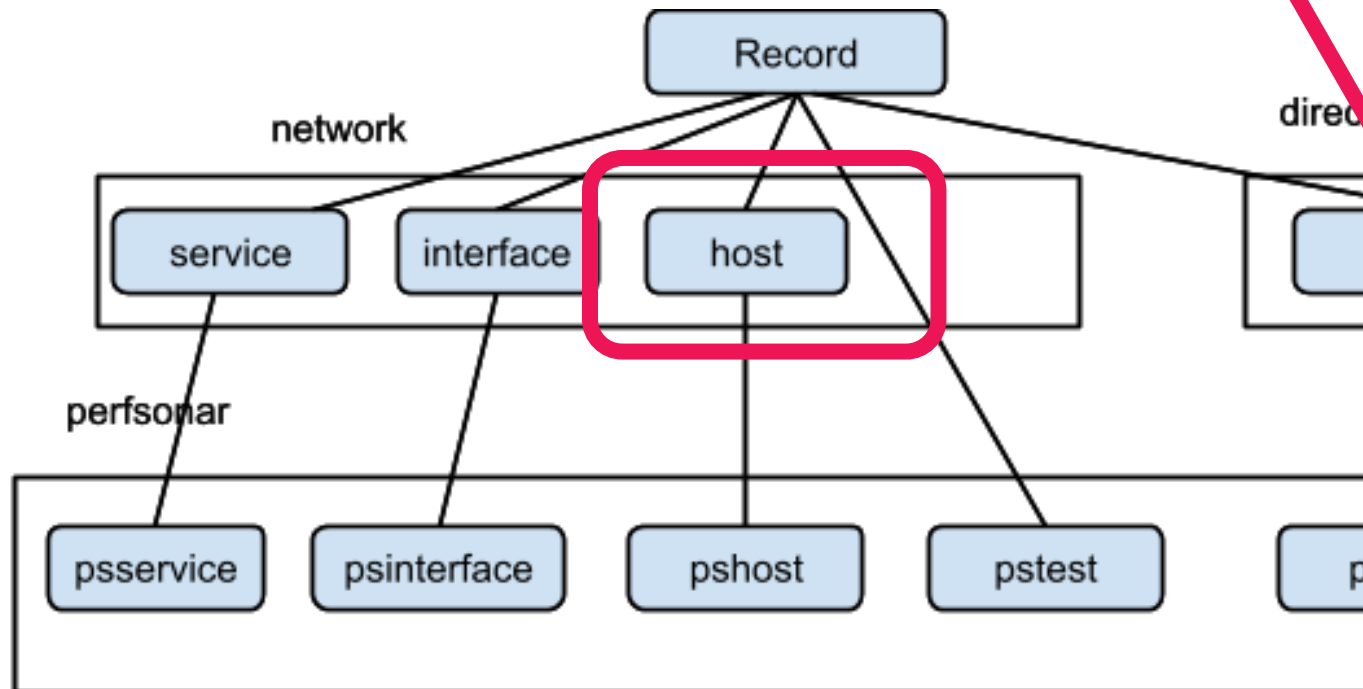
LS records of “interface” type

perfSONAR interfaces ▾
2377





Lookup Service records of “host” type

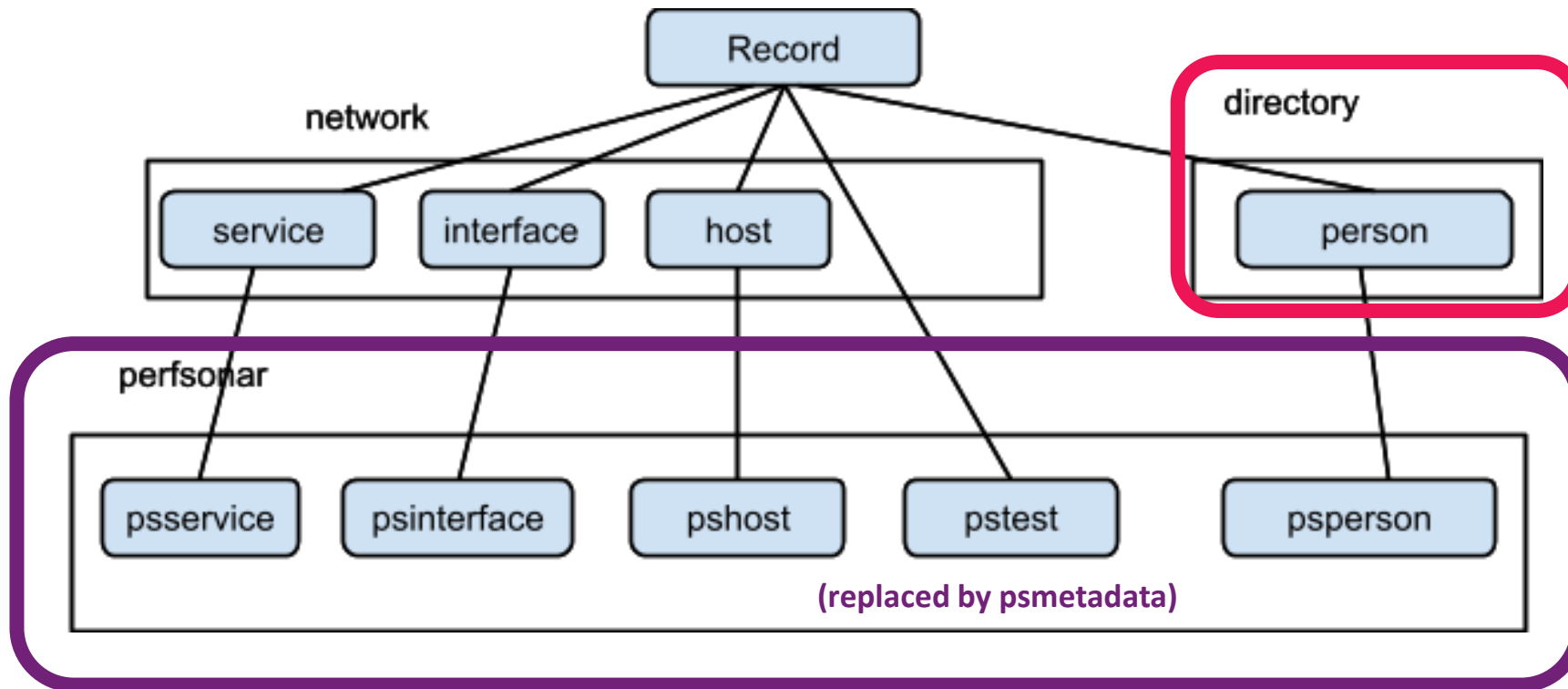


- host-administrators
- host-hardware-cpuid
- host-hardware-memory
- host-hardware-processorcore
- host-hardware-processorcount
- host-hardware-processorspeed
- host-manufacturer
- host-name
- host-net-interfaces
- host-net-ipv6-enabled
- host-net-tcp-autotunemaxbuffer-recv
- host-net-tcp-autotunemaxbuffer-send
- host-net-tcp-congestionalgorithm
- host-net-tcp-maxbacklog
- host-net-tcp-maxbuffer-recv
- host-net-tcp-maxbuffer-send
- host-os-architecture
- host-os-kernel
- host-os-name
- host-os-version
- host-productname
- host-vm
- group-communities
- group-domains
- location-city
- location-code
- location-country
- location-latitude
- location-longitude
- location-sitename
- location-state



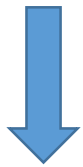


LS records of “person” type and perfSONAR specific records

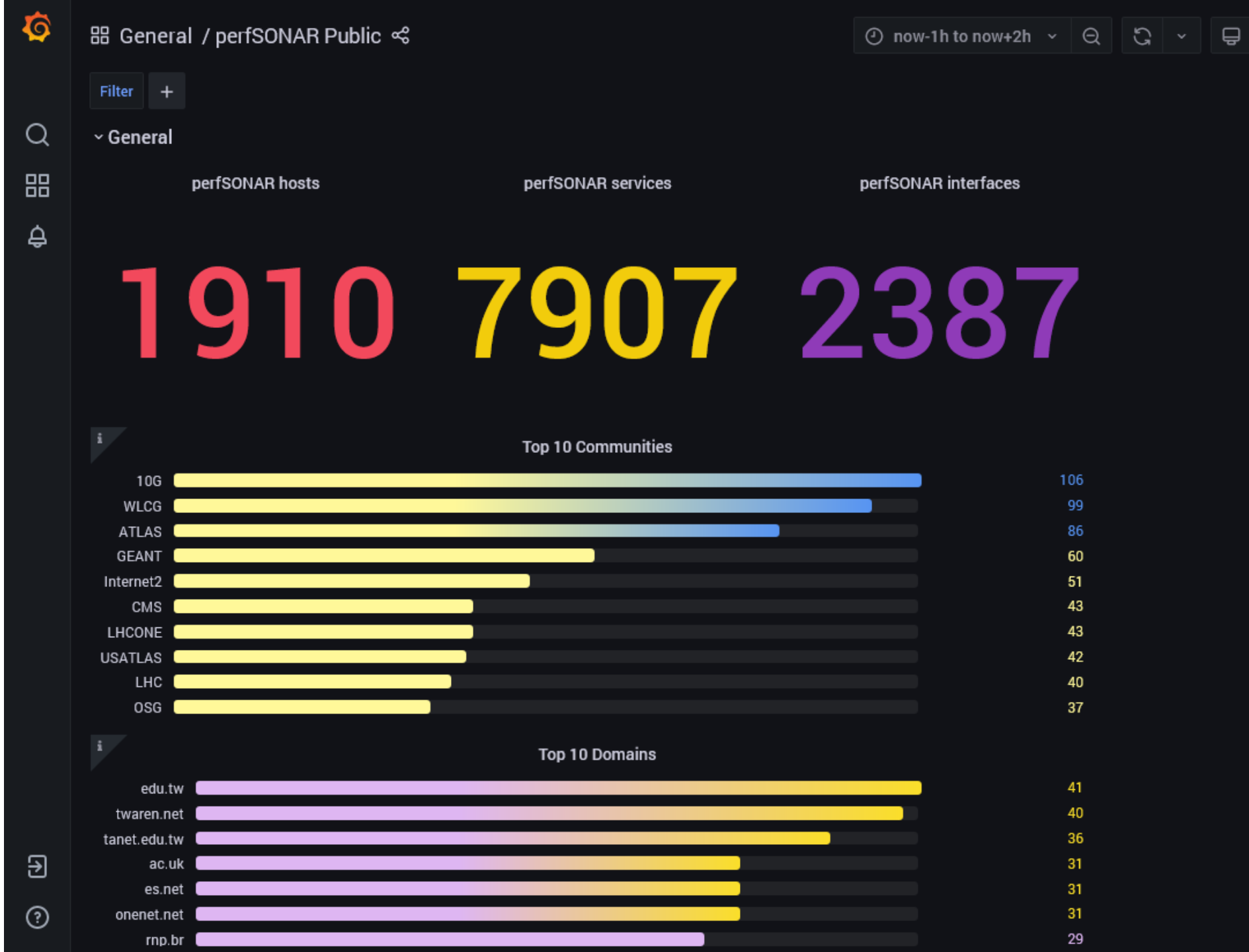


Grafana Dashboards

1. perfSONAR Leads
2. perfSONAR Devs
3. perfSONAR Public



Lookup Service Directory



DEMO

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