

Installation of icinga debug

Freitag, 30. Juni 2023 14:37

- How to check log files

tail -f /var/log/icinga2/icinga2.log

Aus <<https://community.icinga.com/t/error-all-configured-authentication-methods-failed/1093/4>>

- There are many files and settings for icinga . So all must match with each other . If anyone of them does not match , then you get the error . So we have to check one by one.

o What to check

- check features enabled
- check port settings
- check user and password
- check database

o Check the features

- feature list
- icinga2 feature list

```
root@gin-gr-icinga:/home/localadmin# icinga2 feature list
Disabled features: compatlog gelf graphite ido-pgsql influxdb influxdb2 journald
livestatus opentsdb perfdata statusdata
Enabled features: api checker command debuglog elasticsearch icingadb ido-mysql
mainlog notification syslog
root@gin-gr-icinga:/home/localadmin#
```

- You can enable and disable features by
icinga2 feature disable icingadb
icinga2 feature enable icingadb

o Check the redis port

```
redis-server.service - Advanced key-value store
Loaded: loaded (/lib/systemd/system/redis-server.service; enabled; vendor
Active: active (running) since Fri 2023-08-11 12:10:01 UTC; 17min ago
Docs: http://redis.io/documentation,
man:redis-server(1)
Main PID: 4431 (redis-server)
Status: "Ready to accept connections"
Tasks: 5 (limit: 4555)
Memory: 7.3M
CPU: 4.156s
CGroup: /system.slice/redis-server.service
└─4431 /usr/bin/redis-server 127.0.0.1:6379

Aug 11 12:10:00 gin-gr-icinga systemd[1]: Starting Advanced key-value store...
Aug 11 12:10:01 gin-gr-icinga systemd[1]: Started Advanced key-value store.
lines 1-15/15 (END)
```

Here redis is running on port 6379

- You can change the port of redis in the following setting file :
/etc/redis/redis.conf
- use vi or mc editor to change the port of redis

```
root@gin-gr-icinga:/home/localadmin# vi /etc/redis/redis.conf
81 # sockets.
82 #
83 # By default protected mode is enabled. You should disable it only if
84 # you are sure you want clients from other hosts to connect to Redis
85 # even if no authentication is configured, nor a specific set of interfaces
86 # are explicitly listed using the "bind" directive.
87 protected-mode yes
88
89 # Accept connections on the specified port, default is 6379 (IANA #815344).
90 # If port 0 is specified Redis will not listen on a TCP socket.
91 port 6379
92 #port 6380
93
94 # TCP listen() backlog.
95 #
96 # In high requests-per-second environments you need a high backlog in order
97 # to avoid slow clients connection issues. Note that the Linux kernel
98 # will silently truncate it to the value of /proc/sys/net/core/somaxconn so
99 # make sure to raise both the value of somaxconn and tcp_max_syn_backlog
100 # in order to get the desired effect.
101 tcp-backlog 511
102
103 # Unix socket.
104 :set nu 92,1 4%
```

- After changing the port of redis, you should restart the redis service
using the command:
systemctl restart redis
systemctl status redis

o Check icingadb

```
root@gin-gr-icinga:/home/localadmin# vi /etc/redis/redis.conf
root@gin-gr-icinga:/home/localadmin# systemctl status icingadb
● icingadb.service - Icinga DB
Loaded: loaded (/lib/systemd/system/icingadb.service; enabled; vendor preset: enabled)
Active: active (running) since Fri 2023-08-11 12:14:16 UTC; 44min ago
Main PID: 4669 (icingadb)
Tasks: 11 (limit: 4555)
Memory: 36.2M
CPU: 1min 22.258s
CGroup: /system.slice/icingadb.service
└─4669 /usr/sbin/icingadb --config /etc/icingadb/config.yml

Aug 11 12:14:17 gin-gr-icinga icingadb[4669]: heartbeat: Received Icinga heartbeat
Aug 11 12:14:17 gin-gr-icinga icingadb[4669]: Taking over
Aug 11 12:14:17 gin-gr-icinga icingadb[4669]: Starting config sync
Aug 11 12:14:17 gin-gr-icinga icingadb[4669]: Starting overdue sync
Aug 11 12:14:17 gin-gr-icinga icingadb[4669]: Starting initial state sync
Aug 11 12:14:17 gin-gr-icinga icingadb[4669]: Starting state runtime updates sync
Aug 11 12:14:17 gin-gr-icinga icingadb[4669]: config-sync: Finished initial state sync in 21.361s
Aug 11 12:14:17 gin-gr-icinga icingadb[4669]: Starting config runtime updates sync
Aug 11 12:14:17 gin-gr-icinga icingadb[4669]: config-sync: Finished config sync in 61.239996ms
Aug 11 12:14:17 gin-gr-icinga icingadb[4669]: Starting history retention
root@gin-gr-icinga:/home/localadmin#
```

- all configuration data are mentioned in /etc/icingadb/config.yml
- see redis port etc

```
root@gin-gr-icinga: /home/localadmin
```

```
9 # type: mysql
10
11 # Database host or absolute Unix socket path.
12 host: localhost
13
14 # Database port. By default, the MySQL or PostgreSQL port, depending on the database type.
15 port: 3306
16
17 # Database name.
18 database: icingadb
19
20 # Database user.
21 user: icingadb
22
23 # Database password.
24 password: RYUFKYBG7
25
26 # Connection configuration for the Redis server where Icinga 2 writes its configuration, state and history items.
27 # This is the same connection as configured in the 'icingadb' feature of the corresponding Icinga 2 node.
28 # High availability setups require a dedicated Redis server per Icinga 2 node and
29 # therefore a dedicated Icinga DB instance that connects to it.
30 redis:
31 # Redis host or absolute Unix socket path.
32 host: localhost
33
34 # Redis port.
35 # Defaults to '6380' since the Redis server provided by the 'icingadb-redis' package listens on that port.
36 #port: 6380
37 port: 6379
38
39 # Redis password.
40 # password:
```

- You can check configuration, possible change in it and then restart the service
systemctl restart icingadb
systemctl status icingadb
- I changed here mysql port and redis port also the database, username and password
- another setting file for icingadb
/etc/icinga2/features-available/icingadb.conf

○ Check icinga2 service

- systemctl status icinga2

```
root@gin-gr-icinga:/home/localadmin# systemctl status icinga2
● icinga2.service - Icinga host/service/network monitoring system
   Loaded: loaded (/lib/systemd/system/icinga2.service; enabled; vendor preset: enabled)
   Drop-In: /etc/systemd/system/icinga2.service.d
           └─ limits.conf
   Active: active (running) since Fri 2023-08-11 12:13:59 UTC; 51min ago
   Process: 4519 ExecStartPre=/usr/lib/icinga2/prepare-dirs /etc/default/icinga2 (code=exited, status=0/SUCCESS)
   Main PID: 4524 (icinga2)
   Status: "Startup finished."
   Tasks: 40
   Memory: 25.1M
   CPU: 14.513s
   CGroup: /system.slice/icinga2.service
           └─ 4524 /usr/lib/x86_64-linux-gnu/icinga2/sbin/icinga2 --no-stack-rlimit daemon --close-stdio -e /var/log/icinga2/error.log
             4550 /usr/lib/x86_64-linux-gnu/icinga2/sbin/icinga2 --no-stack-rlimit daemon --close-stdio -e /var/log/icinga2/error.log
             4559 /usr/lib/x86_64-linux-gnu/icinga2/sbin/icinga2 --no-stack-rlimit daemon --close-stdio -e /var/log/icinga2/error.log

Aug 11 13:01:09 gin-gr-icinga icinga2[4550]: Can't connect to Elasticsearch on host '127.0.0.1' port '9200'.
Aug 11 13:01:09 gin-gr-icinga icinga2[4550]: Flush failed, cannot connect to Elasticsearch: Error: connect: Connection refused
Aug 11 13:02:09 gin-gr-icinga icinga2[4550]: Can't connect to Elasticsearch on host '127.0.0.1' port '9200'.
Aug 11 13:02:09 gin-gr-icinga icinga2[4550]: Flush failed, cannot connect to Elasticsearch: Error: connect: Connection refused
Aug 11 13:03:09 gin-gr-icinga icinga2[4550]: Can't connect to Elasticsearch on host '127.0.0.1' port '9200'.
Aug 11 13:03:09 gin-gr-icinga icinga2[4550]: Flush failed, cannot connect to Elasticsearch: Error: connect: Connection refused
Aug 11 13:04:09 gin-gr-icinga icinga2[4550]: Can't connect to Elasticsearch on host '127.0.0.1' port '9200'.
Aug 11 13:04:09 gin-gr-icinga icinga2[4550]: Flush failed, cannot connect to Elasticsearch: Error: connect: Connection refused
Aug 11 13:05:19 gin-gr-icinga icinga2[4550]: Can't connect to Elasticsearch on host '127.0.0.1' port '9200'.
Aug 11 13:05:19 gin-gr-icinga icinga2[4550]: Flush failed, cannot connect to Elasticsearch: Error: connect: Connection refused
root@gin-gr-icinga:/home/localadmin#
```

- The setting file for icinga2 elastic search is given in /etc/icinga2/features-available/elasticsearch.conf file. I edited the file by using command:
vi /etc/icinga2/features-available/elasticsearch.conf
- Now it is showing another critical mistake .

```
root@gin-gr-icinga:/home/localadmin# vi /etc/icinga2/features-available/elasticsearch.conf
root@gin-gr-icinga:/home/localadmin# systemctl restart icinga2
root@gin-gr-icinga:/home/localadmin# systemctl status icinga2
● icinga2.service - Icinga host/service/network monitoring system
   Loaded: loaded (/lib/systemd/system/icinga2.service; enabled; vendor preset: enabled)
   Drop-In: /etc/systemd/system/icinga2.service.d
           └─ limits.conf
   Active: active (running) since Fri 2023-08-11 13:13:18 UTC; 5s ago
   Process: 6285 ExecStartPre=/usr/lib/icinga2/prepare-dirs /etc/default/icinga2 (code=exited, status=0/SUCCESS)
   Main PID: 6285 (icinga2)
   Status: "Startup finished."
   Tasks: 35
   Memory: 20.2M
   CPU: 322ms
   CGroup: /system.slice/icinga2.service
           └─ 6285 /usr/lib/x86_64-linux-gnu/icinga2/sbin/icinga2 --no-stack-rlimit daemon --close-stdio -e /var/log/icinga2/error.log
             6312 /usr/lib/x86_64-linux-gnu/icinga2/sbin/icinga2 --no-stack-rlimit daemon --close-stdio -e /var/log/icinga2/error.log
             6321 /usr/lib/x86_64-linux-gnu/icinga2/sbin/icinga2 --no-stack-rlimit daemon --close-stdio -e /var/log/icinga2/error.log

Aug 11 13:13:18 gin-gr-icinga icinga2[6312]: ERR AUTH <password> called without any password configured for the default user. Are you sure your configuration is correct?
Aug 11 13:13:18 gin-gr-icinga icinga2[6312]: ERR AUTH <password> called without any password configured for the default user. Are you sure your configuration is correct?
Aug 11 13:13:18 gin-gr-icinga icinga2[6312]: ERR AUTH <password> called without any password configured for the default user. Are you sure your configuration is correct?
Aug 11 13:13:18 gin-gr-icinga icinga2[6312]: ERR AUTH <password> called without any password configured for the default user. Are you sure your configuration is correct?
Aug 11 13:13:18 gin-gr-icinga icinga2[6312]: ERR AUTH <password> called without any password configured for the default user. Are you sure your configuration is correct?
Aug 11 13:13:18 gin-gr-icinga icinga2[6312]: ERR AUTH <password> called without any password configured for the default user. Are you sure your configuration is correct?
Aug 11 13:13:18 gin-gr-icinga icinga2[6312]: ERR AUTH <password> called without any password configured for the default user. Are you sure your configuration is correct?
Aug 11 13:13:18 gin-gr-icinga icinga2[6312]: ERR AUTH <password> called without any password configured for the default user. Are you sure your configuration is correct?
Aug 11 13:13:18 gin-gr-icinga icinga2[6312]: ERR AUTH <password> called without any password configured for the default user. Are you sure your configuration is correct?
Aug 11 13:13:18 gin-gr-icinga icinga2[6312]: ERR AUTH <password> called without any password configured for the default user. Are you sure your configuration is correct?
root@gin-gr-icinga:/home/localadmin#
```

- Err Auth . but its ok because i haven't set any password for redis.

○ How to check where ports are written.

- You can use grep comandnd for example shown below

```
root@gin-gr-icinga:/home/localadmin# grep -r '6379' /etc/
/etc/icingadb/config.yml: port: 6379
/etc/icinga2/features-available/icingadb.conf: port = 6379
/etc/icingaweb2/modules/icingadb/redis.ini:port = "6379"
/etc/icingaweb2/modules/icingadb/redis.ini:port = "6379"
/etc/services:redis        6379/tcp
/etc/redis/redis.conf:# Accept connections on the specified port, default is 6379 (IANA #815344).
/etc/redis/redis.conf:port 6379
/etc/redis/redis.conf:# tls-port 6379
/etc/redis/redis.conf:# cluster-config-file nodes-6379.conf
/etc/redis/redis.conf:# cluster-announce-port 6379
root@gin-gr-icinga:/home/localadmin#
```