How to start keycloak 2.0 on 8080 port?

Asked 6 years, 7 months ago   Modified 1 year, 11 months ago   Viewed 60k times

▲

17

▼

🔖

↺

Default port of Keycloak used to be on **8080**. Now when I am starting keycloak using

```
./bin/standalone.sh
```

then it is getting start on **9990** port. // So I guess now keycloak default port is 9990 nowadays.

but funny part is whenever I am giving explicit keycloak port like below:

```
./bin/standalone.sh  -Djboss.socket.binding.port-offset=8080
```

after this keycloak is starting on port **17101** . So weird.

I am struggling to start keycloak on **8080** port. How can I do that?

And one more thing :

surprisingly something called as undertow is running on 8080 port. When I am trying to start keycloak, I can trace that in stacktrace:

```
YUT0006: Undertow HTTP listener default listening on 127.0.0.1:8080
```

`jboss`   `wildfly`   `keycloak`   `undertow`

Share Edit Follow

edited Feb 26, 2018 at 16:09
Aritz
31.4k ● 16 ● 142 ● 222

asked Nov 27, 2017 at 9:51
Pramod S. Nikam
4,481 ● 6 ● 40 ● 63

---

1   keycloak.org/docs/latest/getting_started/#before-you-start-2 – Koray Tugay Jun 19, 2020 at 0:25

What about not being version specific in the question and leave that to the answer instead?
– David Jonsson May 5, 2022 at 9:30

---

5 Answers

Sorted by: | Highest score (default) ⇕ |

▲

23

I changed the http port of **keycloak** serve (I'm using `19.0.1` version distribution powered by **Quarkus**) by doing the following steps :

1. Open : `keycloak-folder/conf/keycloak.conf`

2. Set the port number : `http-port=8180`

Note that you can also set the port number at the command line :

on Linux/Unix:

```
$ bin/kc.sh start-dev --http-port=8180
```

on Windows:

```
$ bin\kc.bat start-dev --http-port=8180
```

Share   Edit   Follow
                                    edited Aug 19, 2022 at 7:53   answered Aug 19, 2022 at 7:40

                                                                         Ousama
                                                                         2,610 ● 3 ● 28 ● 29

18

If you run basic `bin/standalone.sh` without changing any configuration, your keycloak server will be started on port `8080`.

I believe what confuses you is the log you get when your server starts, more specifically this part:

> 12:25:25,688 INFO [org.jboss.as] (Controller Boot Thread) WFLYSRV0051: Admin console listening on http://127.0.0.1:9990

✓

Port `9990` is not your keycloak server, it is WildFly one.

You are also using offset wrong. Basically, offset is the number you increment your original port (`8080`) for.

If you set offset to 15, your keycloak server will run on port `8095`.

Also, before starting keycloak, check if there is any other process using port 8080

```
lsof -i :8080
```

Share   Edit   Follow
                                                                         answered Dec 1, 2017 at 11:34

                                                                         Dino
                                                                         8,144 ● 12 ● 47 ● 90

16

The default port is still 8080. Check in `standalone/configuration/standalone.xml` in the Keycloak installation directory and look for `jboss.http.port`. If you want to force the port, use `-Djboss.http.port=8080`. You're using the *offset* configuration. In your case, because `standalone.xml` appears to have been changed you're adding 8080 to the base port.

Share   Edit   Follow
                                                                         answered Nov 27, 2017 at 15:56
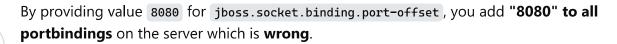
stdunbar
17.1k ● 11 ● 38 ● 56

surprisingly something called as undertow is running on 8080 port. When I am trying to start keycloak. YUT0006: Undertow HTTP listener default listening on 127.0.0.1:8080 – Pramod S. Nikam Nov 28, 2017 at 4:23

- Thanks, I tried -Djboss.http.port=8080 but still its starting on 9990 port. undertow is listening on 8080 – Pramod S. Nikam Nov 28, 2017 at 4:26

▲

9

▼

🔖

🕘

```
./bin/standalone.sh  -Djboss.socket.binding.port-offset=8080
```

By providing value `8080` for `jboss.socket.binding.port-offset`, you add **"8080" to all portbindings** on the server which is **wrong**.

You can do the following to get rid of your problem.

```
./standalone.sh -b 0.0.0.0 -Djboss.socket.binding.port-offset=1000
```

This adds "`1000`" to all `portbindings` on the server, which **avoids port conflicts**.

Share Edit Follow

answered Aug 16, 2018 at 5:13

Du-Lacoste
12.4k ● 2 ● 74 ● 54

▲

2

▼

🔖

🕘

you can also run it by docker instead of installing it. more easy to paste this command in docker-compose file in project and if you want to change port you can do it easly:

```
version: '3'
volumes:
  Postgres_data:
      driver: local
services:
    postgres:
      image: postgres
      volumes:
          - postgres_data:/var/lib/postgresql/data
      ports:
          - 5432:5432
      environment:
          POSTGRES_DB: keycloak
          POSTGRES_USER: keycloak
          POSTGRES_PASSWORD: password
    keycloak:
      image: jboss/keycloak
      environment:
          DB_VENDOR: POSTGRES
          DB_ADDR: postgres
          DB_DATABASE: keycloak
          DB_USER: keycloak
          DB_SCHEMA: public
```

```
            DB_PASSWORD: password
            KEYCLOAK_USER: admin
            KEYCLOAK_PASSWORD: admin
            # Uncomment the line below if you want to specify JDBC
parameters. The parameter below is just an example, and it shouldn't be used in
production without knowledge. It is highly recommended that you read the
PostgreSQL JDBC driver documentation in order to use it.
            #JDBC_PARAMS: "ssl=true"
        ports:
            - 8080:8080
        depends_on:
            - postgres
```

Share Edit Follow

answered Jan 7, 2020 at 9:17

Fateme Ghasemi

275 ● 1 ● 4 ● 10