

Title: Testcontainer cannot configure port binding

Post Body:

I'm using testcontainer version 1.15.2. Tests are run in IntelliJ on Windows 10. I have a WireMock container. By default it listens on the port 8080. I would like to map this port to let's say 8081. So I do:

```
public WireMockContainer() {
    super("wiremock/wiremock:2.9.0-alpine");
    self().waitingFor(Wait.forLogMessage("Listening on port 8081"));
}
```

When the container is created it listens on the random port, not the 8081[1]. What am I doing wrong? What should I do to make the container listen on 8081 instead of the random port?

[1]

1. I have another container that tries to connect on `http://wiremock:8081` and keep getting `Connection refused`
2. When I add: `.waitingFor(...).forPort(8081)(...)`; timeout occurs.

Accepted Answer:

You cannot choose which actual port is used on the host machine. TestContainers chooses one automatically and makes it accessible through `getMappedPort(containerPort)` method on the container instance. You can also use `getFirstMappedPort()` if you only have one.

```
Integer hostPort = container.getMappedPort(8080); Integer hostPort = container.getFirstMappedPort();
```

<https://www.testcontainers.org/features/networking/>

Highest Rated Answer:

You can use set port bindings

```
List<String> portBindings = new ArrayList<>(); portBindings.add("5673:5672"); // hostPort:containerPort portBindings.add("1567:1568");
```