

```
C:\Users\Elite8300\Documents\CNRefactory\Wildfly with Docker\docker-compose.yml - Sublime Text 2 [UNREGISTERED]
File Edit Selection Find View Goto Tools Project Preferences Help

rest.yaml  x  Dockerfile  x  docker-compose.yml  x

1  version: "3"
2  services:
3    user:
4      image: jboss/wildfly
5      ports:
6        - 8080:8080
7        - 8080:8080
8        - 9990:9990
9      volumes:
10       - ./User/target:/opt/jboss/wildfly/standalone/deployments/
11      container_name: "user"
12      restart: always
13      command: >
14        bash -c "/opt/jboss/wildfly/bin/add-user.sh admin Admin#007 --silent
15        && /opt/jboss/wildfly/bin/standalone.sh -b 0.0.0.0 -bmanagement 0.0.0.0"
16
```

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MINGW64: c:\Users\Elite8300\Documents\CNRefactory\Wildfly with Docker
$ docker images
REPOSITORY          TAG          IMAGE ID          CREATED
dpkg/pgadmin4       latest       df872ce2bc9e     3 weeks ago
postgres            latest       293e4ed402ba     4 weeks ago
mysql               latest       c0cdc95609f1     4 weeks ago
alpine              latest       6dbb9cc54074     2 months ago

Elite8300@Elite8300-PC MINGW64 ~/Documents/CNRefactory/Wildfly with Docker
$ docker-compose up
Creating network "wildflywithdocker_default" with the default driver
Pulling user (jboss/wildfly):...
latest: Pulling from jboss/wildfly
75f829a71a1c: Already exists
7b11f246b3d3: Already exists
b765640e2a58: Already exists
506aff4a9c5a: Already exists
ca9f53a874f0: Already exists
Digest: sha256:81c99dfe1f662468e73f37cf702dfce2a2f7b9f2948a5a6842e0a10522b06bbe
Status: Downloaded newer image for jboss/wildfly:latest
Creating user ... done
Attaching to user
user | =====
user | JBoss Bootstrap Environment
user | JBOSS_HOME: /opt/jboss/wildfly
user | JAVA: /usr/lib/jvm/java/bin/java
user | JAVA_OPTS: -server -Xms64m -Xmx512m -XX:MetaspaceSize=96M -XX:MaxMe
user | taspaceSize=256m -Djava.net.preferIPv4Stack=true -Djboss.modules.system.pkgs=org
user | .jboss.byteman -Djava.awt.headless=true --add-exports=java.base/sun.nio.ch=ALL-
user | UNNAMED --add-exports=jdk.unsupported/sun.misc=ALL-UNNAMED --add-exports=jdk.uns
user | supported/sun.reflect=ALL-UNNAMED
user | =====
user | 16:30:38.439 INFO [org.jboss.modules] (main) JBoss Modules version 1.
user | 11.0.Final
user | 16:30:41.090 INFO [org.jboss.msc] (main) JBoss MSC version 1.4.12.Fin
user | 16:30:41.117 INFO [org.jboss.threads] (main) JBoss Threads version 2.
user | 4.0.Final
user | 16:30:41.663 INFO [org.jboss.as] (MSC service thread 1-2) WFLVSU0049
user | : WildFly Full 23.0.2.Final (WildFly Core 15.0.1.Final) starting
user | 16:30:49.251 INFO [org.wildfly.security] (ServerService Thread Pool -
user | - 28) ELV00001: WildFly Elytron version 1.15.3.Final
user | 16:30:50.605 INFO [org.jboss.as.controller.management-deprecated] (Se
user | rverService Thread Pool - 10) WFLVCTL0033: Extension 'security' is deprecated a
user | nd may not be supported in future versions
user | 16:30:53.062 INFO [org.jboss.as.controller.management-deprecated] (Co
user | ntroller Boot Thread) WFLVCTL0028: Attribute 'security-realm' in the resource at
user | address '/core-service=management/management-interface=http-interface' is depre
user | cated, and may be removed in a future version. See the attribute description in
user | the output of the read-resource-description operation to learn more about the de
user | precation.
user | 16:30:53.210 INFO [org.jboss.as.controller.management-deprecated] (Se
user | rverService Thread Pool - 24) WFLVCTL0028: Attribute 'security-realm' in the re
user | source at address '/subsystem=undertow/server=default-server/https-listener=http
user | s' is deprecated, and may be removed in a future version. See the attribute desc
user | ription in the output of the read-resource-description operation to learn more a
user | bout the deprecation.
user | 16:30:53.457 INFO [org.jboss.as.server] (Controller Boot Thread) WFLY
user | SRU0039: Creating http management service using socket-binding 'management-http'
user | 16:30:53.643 INFO [org.xnio] (MSC service thread 1-1) XNIO version 3.
user | 8.4.Final
user | 16:30:53.673 INFO [org.xnio.nio] (MSC service thread 1-1) XNIO NIO Im
user | plementation version 3.8.4.Final
user | 16:30:53.847 INFO [org.jboss.as.clustering.infinispan] (ServerService
user | Thread Pool - 53) WFLVCLINF0001: Activating Infinispan subsystem.
user | 16:30:53.874 INFO [org.wildfly.extension.health] (ServerService Threa
user | d Pool - 52) WFLVHEALTH0001: Activating Base Health Subsystem
user | 16:30:53.904 INFO [org.wildfly.extension.microprofile.config.smallrye
user | .private] (ServerService Thread Pool - 63) WFLVJMP0001: Activating WildFly Mi
user | croProfile Config Subsystem
user | 16:30:53.924 INFO [org.wildfly.extension.metrics] (ServerService Thre
user | ad Pool - 62) WFLVMETRICS0001: Activating Base Metrics Subsystem
user | 16:30:54.039 INFO [org.wildfly.extension.microprofile.jwt.smallrye.p
user | .private] (ServerService Thread Pool - 64) WFLVJWT0001: Activating WildFly MicroP
user | rofile JWT Subsystem
user | 16:30:54.056 INFO [org.jboss.as.security] (ServerService Thread Pool
user | - 72) WFLVSEC0002: Activating Security Subsystem
user | 16:30:54.060 INFO [org.jboss.as.naming] (ServerService Thread Pool -
user | 66) WFLVNAME0001: Activating Naming Subsystem
user | 16:30:54.075 INFO [org.wildfly.extension.microprofile.opentracing] (S
user | erverService Thread Pool - 65) WFLVTRACEXT0001: Activating MicroProfile OpenTra
user | cing Subsystem
user | 16:30:54.085 INFO [org.wildfly.extension.io] (ServerService Thread Po
user | ol - 54) WFLVIO0001: Worker 'default' has auto-configured to 2 IO threads with 1
user | 6 max task threads based on your 1 available processors
user | 16:30:54.101 WARN [org.jboss.as.txn] (ServerService Thread Pool - 74
user | ) WFLVXT0013: The node-identifier attribute on the /subsystem=transactions is se
user | t to the default value. This is a danger for environments running multiple serve
user | rs. Please make sure the attribute value is unique.
user | 16:30:54.734 INFO [org.jboss.as.webservices] (ServerService Thread Po
user | ol - 76) WFLVWS0002: Activating WebServices Extension
user | 16:30:54.762 INFO [org.jboss.as.jsf] (ServerService Thread Pool - 60
user | ) WFLVJSF0007: Activated the following Jakarta Server Faces Implementations: [ma
user | in]
user | 16:30:54.941 INFO [org.jboss.as.connector.subsystems.datasources] (Se
user | rverService Thread Pool - 44) WFLVJCA0004: Deploying JDBC-compliant driver clas
user | s org.h2.Driver (version 1.4)
user | 16:30:55.343 INFO [org.jboss.remoting] (MSC service thread 1-1) JBoss
user | Remoting version 5.0.20.Final
user | 16:30:55.588 INFO [org.jboss.as.security] (MSC service thread 1-2) WF
user | LVSEC0001: Current PicketBox version=5.0.3.Final-redhat-00007
user | 16:30:55.655 INFO [org.jboss.as.connector] (MSC service thread 1-1) W
user | FLVJCA0009: Starting Jakarta Connectors Subsystem (WildFly/IronJacinar 1.4.27.Fi
user | nal)
user | 16:30:55.760 INFO [org.jboss.as.jaxrs] (ServerService Thread Pool -
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user | 16:30:56.876 INFO |org.jboss.as.naming| <MSC service thread 1-1> WFLVNM0003: Starting Naming Service
user | 16:30:57.111 INFO |org.wildfly.extension.undertow| <ServerService Thread Pool - 75> WFLVUT0014: Creating file handler for path '/opt/jboss/wildfly/welcome-content' with options {directory-listing: 'false', follow-symlink: 'false', case-sensitive: 'true', safe-symlink-paths: ['']}
user | 16:30:57.526 INFO |org.jboss.as.mail.extension| <MSC service thread 1-1> WFLVMAI160001: Bound mail session [java:jboss/mail/Default]
user | 16:30:57.718 INFO |org.jboss.as.ejb3| <MSC service thread 1-1> WFLVEJB00481: Strict pool slsb-strict-max-pool is using a max instance size of 16 (per class), which is derived from thread worker pool sizing.
user | 16:30:57.735 INFO |org.jboss.as.ejb3| <MSC service thread 1-2> WFLVEJB00482: Strict pool mdb-strict-max-pool is using a max instance size of 4 (per class), which is derived from the number of CPUs on this host.
user | 16:30:57.780 WARN |org.wildfly.extension.elytron| <MSC service thread 1-2> WFLVELV00023: KeyStore file '/opt/jboss/wildfly/standalone/configuration/application.keystore' does not exist. Used blank.
user | 16:30:58.033 WARN |org.wildfly.extension.elytron| <MSC service thread 1-1> WFLVELV01084: KeyStore /opt/jboss/wildfly/standalone/configuration/application.keystore not found, it will be auto generated on first use with a self-signed certificate for host localhost
user | WARNING: An illegal reflective access operation has occurred
user | WARNING: Illegal reflective access by org.wildfly.extension.elytron.SSLDefinitions (jar:file:/opt/jboss/wildfly/modules/system/layers/base/org.wildfly/extension/elytron/main/wildfly-elytron-integration-15.0.1.Final.jar!/> to method com.sun.net.ssl.internal.ssl.Provider.isFIPSC()
user | WARNING: Please consider reporting this to the maintainers of org.wildfly.extension.elytron.SSLDefinitions
user | WARNING: Use --illegal-access=warn to enable warnings of further illegal reflective access operations
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user | 16:30:59.741 INFO |org.jboss.as.connector.subsystems.datasources| <MSC service thread 1-2> WFLVJCA0001: Bound data source [java:jboss/datasources/ExampleDS]
user | 16:30:59.758 INFO |org.jboss.as.patching| <MSC service thread 1-1> WFLVPAT0050: WildFly Full cumulative patch ID is: base, one-off patches include: none
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user | 16:30:59.950 INFO |org.jboss.as.server.deployment.scanner| <MSC service thread 1-1> WFLVDS0013: Started FileSystemDeploymentService for directory /opt/jboss/wildfly/standalone/deployments
user | 16:31:00.448 INFO |org.wildfly.extension.undertow| <MSC service thread 1-1> WFLVUT0006: Undertow HTTPS listener https listening on 0.0.0.0:8443
user | 16:31:00.755 INFO |org.jboss.ws.common.management| <MSC service thread 1-1> JBWS022052: Starting JBossWS 5.4.3.Final (Apache CXF 3.3.10)
user | 16:31:01.124 INFO |org.jboss.as.server| <Controller Boot Thread> WFLVSRU0212: Resuming server
user | 16:31:01.129 INFO |org.jboss.as| <Controller Boot Thread> WFLVSRU0025: WildFly Full 23.0.2.Final (WildFly Core 15.0.1.Final) started in 24951ms - Started 319 of 558 services (344 services are lazy, passive or on-demand)
user | 16:31:01.137 INFO |org.jboss.as| <Controller Boot Thread> WFLVSRU0060: Http management interface listening on http://0.0.0.0:9990/management
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Welcome to WildFly

Your WildFly instance is running.

[Documentation](#) | [Quickstarts](#) | [Administration Console](#)

[WildFly Project](#) | [User Forum](#) | [Report an issue](#)

JBoss Community

To replace this page simply deploy your own war with / as its context path.
To disable it, remove the "welcome-content" handler for location / in the undertow subsystem.

The screenshot shows the HAL Management Console in a web browser. The browser's address bar displays '192.168.99.100:9990/console/index.html'. The console has a dark navigation bar with links: Homepage, Deployments, Configuration, Runtime, Patching, and Access Control. The main content area is titled 'HAL Management Console' and contains four sections: Deployments, Configuration, Runtime, and Access Control. Each section has a 'Start' button and a list of instructions. At the bottom right, there is a status bar showing '3.3.6.Final', 'Tools', and 'Settings'.


Below the console, a 'Sign in' dialog box is displayed. It shows the URL 'http://192.168.99.100:9990' and a warning: 'Your connection to this site is not private'. The 'Username' field is filled with 'admin', and the 'Password' field is filled with eight dots. There are 'Sign in' and 'Cancel' buttons at the bottom of the dialog.

Use the username/password combination of **admin/Admin#007** to log into the HAL Management Console.

HAL Management Console

Homepage Deployments Configuration Runtime Patching Access Control

HAL Management Console




Deployments

Add and manage deployments

Deploy an application to the server

1. Use the 'Add Deployment' wizard to deploy the application
2. Enable the deployment




Configuration

Configure subsystem settings

Create a Datasource

Define a datasource to be used by deployed applications. The proper JDBC driver must be deployed and registered.

1. Select the Datasources subsystem
2. Add a Non-XA or XA datasource
3. Use the 'Create Datasource' wizard to configure the datasource settings




Runtime

Monitor server status

Monitor the Server

View runtime information such as server status, JVM status, and server log files.

1. Select the server
2. View log files or JVM usage




Access Control

Manage user and group permissions for management operations

Assign User Roles

Assign roles to users or groups to determine access to system resources.

1. Add a new user or group
2. Assign one or more roles to that user or group



Patching

Manage WildFly Full patches

Apply a Patch

Apply a WildFly Full patch to the server.

1. Download the patch file to the local machine
2. Use the 'Apply Patch' wizard to select and apply the patch

HAL Management Console

Homepage **Deployments** Configuration Runtime Patching Access Control

Deployment (0)

Filter by: name or deployment status

No items

Deployments

A deployment represents anything that can be deployed (e.g. an application such as EJB-JAR, WAR, EAR, any kind of standard archive such as RAR or JBoss-specific deployment) into a server.

You can use **drag and drop** to add new content or replace existing deployments. Simply drag one or several files onto the deployment column. If there's already a deployment with the same name, the deployment will be replaced, otherwise the deployment will be added. The deployments added by drag and drop will be enabled by default.

HAL Management Console

Homepage **Deployments** Configuration Runtime Patching Access Control

Deployment (0)

Filter by: name or deployment status

No items

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Upload Deployment

Add Unmanaged Deployment

Create Empty Deployment

