



Architecture des Systèmes d'Information

TP

Jboss 1

WildFly





- Wild**Fly** 

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WildFly




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The technology behind WildFly is also available in JBoss Enterprise Application Platform 7. JBoss EAP is a hardened enterprise subscription with Red Hat's world-class support, long multi-year maintenance cycles, and exclusive content. You can download EAP for free, for development use.

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 For the most recent development releases, check out our [Nightly Builds](#).


Version	Date	Description	License	Size	Format
11.0.0.Final	2017-10-23	Java EE7 Full & Web Distribution	LGPL	152 MB	ZIP
				151 MB	TGZ
		Servlet-Only Distribution	LGPL	35 MB	ZIP
				34 MB	TGZ
		Application Server Source Code	LGPL	36 MB	ZIP
				24 MB	TGZ

Compliance




LGPL v2.1


Licensed




Java EE7


Implements

 Full & Web Configs


 Supported by Tools

 Tested with Arquillian

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Emmanuel fuchs Architecture des Systèmes d' Information

A faire partie 1 : Installation et Démarrage WildFly



- Installation WildFlix
 - Unzip
- Ligne de commande Unix
- Rendre une Copie d' écran du lancement réussi du serveur
 - « server started in xxx ms »



standalone.sh



fuchs@fuchs-Latitude-E6530: ~/Téléchargements/wildfly-11.0.0.Final/bin



Fichier Édition Affichage Rechercher Terminal Aide

```
fuchs@fuchs-Latitude-E6530:~/Téléchargements/wildfly-11.0.0.Final/bin$ sudo ./standalone.sh
```



standalone.sh



fuchs@fuchs-Latitude-E6530: ~/Téléchargements/wildfly-11.0.0.Final/bin

Fichier Édition Affichage Rechercher Terminal Aide

fuchs@fuchs-Latitude-E6530:~/Téléchargements/wildfly-11.0.0.Final/bin\$ sudo ./standalone.sh

JBoss Bootstrap Environment

JBoss_HOME: /home/fuchs/Téléchargements/wildfly-11.0.0.Final

JAVA: java

JAVA_OPTS: -server -Xms64m -Xmx512m -XX:MetaspaceSize=96M -XX:MaxMetaspaceSize=256m -Djava.net.preferIPv4Stack=true -Djboss.modules.system.pkgs=org.jboss.byteman -Djava.awt.headless=true

```
21:30:26,961 INFO [org.jboss.modules] (main) JBoss Modules version 1.6.1.Final
21:30:27,769 INFO [org.jboss.msc] (main) JBoss MSC version 1.2.7.SP1
21:30:28,054 INFO [org.jboss.as] (MSC service thread 1-8) WFLYSRV0049: WildFly Full 11.0.0.Final (WildFly Core 3.0.8.Final) starting
21:30:32,062 INFO [org.jboss.as.controller.management-deprecated] (Controller Boot Thread) WFLYCTL0028: Attribute 'security-realm' in the resource at address '/core-service=management/management-interface
=http-interface' is deprecated, and may be removed in future version. See the attribute description in the output of the read-resource-description operation to learn more about the deprecation.
21:30:32,137 INFO [org.wildfly.security] (ServerService Thread Pool -- 19) ELY00001: WildFly Elytron version 1.1.6.Final
21:30:32,184 INFO [org.jboss.as.controller.management-deprecated] (ServerService Thread Pool -- 29) WFLYCTL0028: Attribute 'security-realm' in the resource at address '/subsystem=undertow/server=default-s
erver/https-listener=https' is deprecated, and may be removed in future version. See the attribute description in the output of the read-resource-description operation to learn more about the deprecation.
21:30:32,507 INFO [org.jboss.as.server] (Controller Boot Thread) WFLYSRV0039: Creating http management service using socket-binding (management-http)
21:30:32,562 INFO [org.xnio] (MSC service thread 1-3) XNIO version 3.5.4.Final
21:30:32,588 INFO [org.xnio.nio] (MSC service thread 1-3) XNIO NIO Implementation Version 3.5.4.Final
21:30:32,734 INFO [org.jboss.remoting] (MSC service thread 1-6) JBoss Remoting version 5.0.5.Final
21:30:32,759 INFO [org.jboss.as.clustering.infinispan] (ServerService Thread Pool -- 42) WFLYCLINF0001: Activating Infinispan subsystem.
21:30:32,787 INFO [org.jboss.as.naming] (ServerService Thread Pool -- 50) WFLYNAM0001: Activating Naming Subsystem
21:30:32,835 INFO [org.jboss.as.security] (ServerService Thread Pool -- 57) WFLYSEC0002: Activating Security Subsystem
21:30:32,781 INFO [org.jboss.as.jsf] (ServerService Thread Pool -- 48) WFLYJSF0007: Activated the following JSF Implementations: [main]
21:30:32,814 WARN [org.jboss.as.txn] (ServerService Thread Pool -- 58) WFLYTX0013: The node-identifier attribute on the /subsystem=transactions is set to the default value. This is a danger for environmen
ts running multiple servers. Please make sure the attribute value is unique.
21:30:32,867 INFO [org.jboss.as.jaxrs] (ServerService Thread Pool -- 43) WFLYRS0016: RESTEasy version 3.0.24.Final
21:30:32,959 INFO [org.jboss.as.webservices] (ServerService Thread Pool -- 60) WFLYWS0002: Activating WebServices Extension
21:30:33,046 INFO [org.jboss.as.security] (MSC service thread 1-2) WFLYSEC0001: Current PicketBox version=5.0.2.Final
21:30:33,219 INFO [org.wildfly.extension.io] (ServerService Thread Pool -- 41) WFLYIO0001: Worker 'default' has auto-configured to 8 core threads with 64 task threads based on your 4 available processors
21:30:33,220 INFO [org.jboss.as.connector] (MSC service thread 1-4) WFLYJCA0009: Starting JCA Subsystem (WildFly/IronJacamar 1.4.6.Final)
21:30:33,314 INFO [org.jboss.as.naming] (MSC service thread 1-5) WFLYNAM0003: Starting Naming Service
21:30:33,318 INFO [org.jboss.as.connector.subsystems.datasources] (ServerService Thread Pool -- 36) WFLYJCA0004: Deploying JDBC-compliant driver class org.h2.Driver (version 1.4)
21:30:33,320 INFO [org.wildfly.extension.undertow] (MSC service thread 1-8) WFLYUT0003: Undertow 1.4.18.Final starting
21:30:33,383 INFO [org.jboss.as.mail.extension] (MSC service thread 1-6) WFLYMAIL0001: Bound mail session [java:jboss/mail/Default]
21:30:33,478 INFO [org.jboss.as.connector.deployers.jdbc] (MSC service thread 1-8) WFLYJCA0018: Started Driver service with driver-name = h2
21:30:34,660 INFO [org.wildfly.extension.undertow] (ServerService Thread Pool -- 59) WFLYUT0014: Creating file handler for path '/home/fuchs/Téléchargements/wildfly-11.0.0.Final/welcome-content' with opti
ons [directory-listing: 'false', follow-symlink: 'false', case-sensitive: 'true', safe-symlink-paths: '[]']
21:30:34,683 INFO [org.jboss.as.ejbs] (MSC service thread 1-7) WFLYEJB0482: Strict pool mdb-strict-max-pool is using a max instance size of 16 (per class), which is derived from the number of CPUs on this
host.
21:30:34,683 INFO [org.jboss.as.ejbs] (MSC service thread 1-4) WFLYEJB0481: Strict pool slsb-strict-max-pool is using a max instance size of 64 (per class), which is derived from thread worker pool sizing
.
21:30:34,704 INFO [org.wildfly.extension.undertow] (MSC service thread 1-1) WFLYUT0012: Started server default-server.
21:30:34,716 INFO [org.wildfly.extension.undertow] (MSC service thread 1-1) WFLYUT0018: Host default-host starting
21:30:35,075 INFO [org.wildfly.extension.undertow] (MSC service thread 1-8) WFLYUT0006: Undertow HTTP listener default listening on 127.0.0.1:8080
21:30:35,146 INFO [org.jboss.as.ejbs] (MSC service thread 1-4) WFLYEJB0493: EJB subsystem suspension complete
21:30:35,569 INFO [org.jboss.as.connector.subsystems.datasources] (MSC service thread 1-2) WFLYJCA0001: Bound data source [java:jboss/datasources/ExampleDS]
21:30:36,051 INFO [org.jboss.as.patching] (MSC service thread 1-5) WFLYPAT0050: WildFly Full cumulative patch ID is: base, one-off patches include: none
21:30:36,277 INFO [org.jboss.as.server.deployment.scanner] (MSC service thread 1-2) WFLYD50013: Started FileSystemDeploymentService for directory /home/fuchs/Téléchargements/wildfly-11.0.0.Final/standalon
e/deployments
21:30:36,832 INFO [org.wildfly.extension.undertow] (MSC service thread 1-7) WFLYUT0006: Undertow HTTPS listener https listening on 127.0.0.1:8443
```

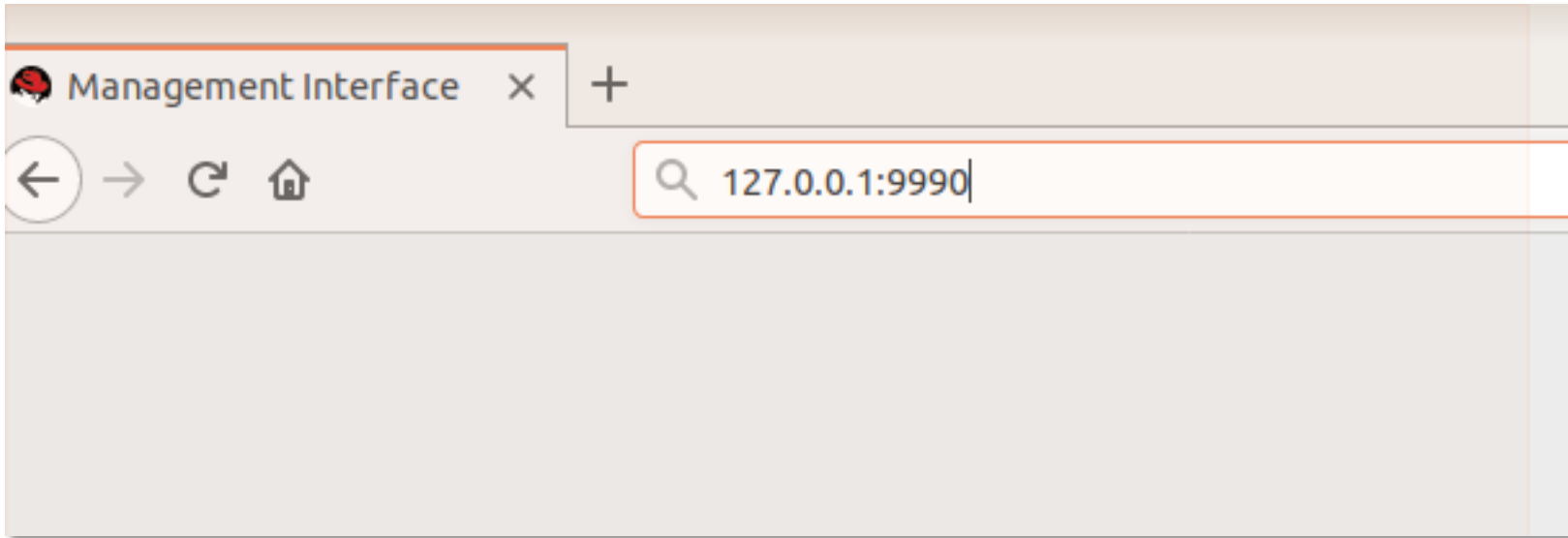



Fichier Édition Affichage Rechercher Terminal Aide

```
JAVA_OPTS: -server -Xms64m -Xmx512m -XX:MetaspaceSize=96m -XX:MaxMetaspaceSize=256m -Djava.net.preferIPv4Stack=true -Djboss.modules.system.pkgs=org.jboss.byteman -Djava.awt.headless=true
```

```
21:35:51: Admin console listening on http://127.0.0.1:9990
21:35:55: WildFly Full 11.0.0.Final (WildFly Core 3.0.8.Final) started in 11106ms
```

standalone.sh




```
51: Admin console listening on http://127.0.0.1:9990
25: WildFly Full 11.0.0.Final (WildFly Core 3.0.8.Final) started in 11106ms -
```



Add user



Authentification requise

 Le site <http://127.0.0.1:9990> demande un nom d'utilisateur et un mot de passe. Le site indique : « ManagementRealm »

Utilisateur :

Mot de passe :



standalone.sh



WildFly Management - Mozilla Firefox

WildFly Management x +

127.0.0.1:9990/console/App.html#home

Rechercher

WildFly

Home Deployments Configuration Runtime Access Control Patching

WildFly

Deployments
Add and manage deployments

Deploy an Application | Start

Deploy an application to the server.

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

Configuration
Configure subsystem settings

Create a Datasource | Start

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 an XA or non-XA datasource
3. Use the 'Create Datasource' wizard to configure the datasource settings

Create a JMS Queue | Start

Runtime
Monitor server status

Monitor the Server | Start

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 | Start

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 patches

Apply a Patch | Start

Apply a WildFly 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

Need Help?

General Resources

- WildFly Home
- WildFly Documentation
- Admin Guide
- Model Reference Documentation
- Browse Issues
- Latest News

Get Help

- Access tutorials and quickstarts
- User Forums
- IRC
- Developers Mailing List

11.0.0.Final

WildFly

Tools Settings



WildFly Management x +

127.0.0.1:9990/console/App.html#profile ... ✓ ☆ Rechercher

WildFly Messages: 0 elfu

Home Deployments **Configuration** Runtime Access Control Patching

Configuration	Subsystem (30)
Subsystems >	Q <input type="text"/>
Interfaces	JCA
Socket Binding	Datasources >
Paths	Resource Adapters >
System Properties	Mail >
	Transactions
	EJB 3
	EE
	JPA
	Batch

Subsystems

A subsystem is a set of capabilities that extends the core functionality of the server. Subsystems provide capabilities such as messaging, logging, and application security. Each subsystem has configuration options specific to that subsystem's functionality.



standalone.sh



[<< Back](#) Configuration: Paths

PATHS

Path References

Named file system paths. The specified path can either be absolute or relative to another path.

Add

Remove

Name	Path
java.home	/usr/lib/jvm/java-8-openjdk-amd64/jre
jboss.controller.temp.dir	/home/fuchs/Téléchargements/wildfly-11.0.0.Final/standalone/tmp
jboss.home.dir	/home/fuchs/Téléchargements/wildfly-11.0.0.Final
jboss.server.base.dir	/home/fuchs/Téléchargements/wildfly-11.0.0.Final/standalone
jboss.server.config.dir	/home/fuchs/Téléchargements/wildfly-11.0.0.Final/standalone/configuration
jboss.server.data.dir	/home/fuchs/Téléchargements/wildfly-11.0.0.Final/standalone/data

<< < 1-6 of 10 > >>

[Attributes](#)



standalone.sh



« Back Server: Standalone Server > Monitor: JVM

VIRTUAL MACHINE STATUS

OpenJDK 64-Bit Server VM

[Refresh Results](#)

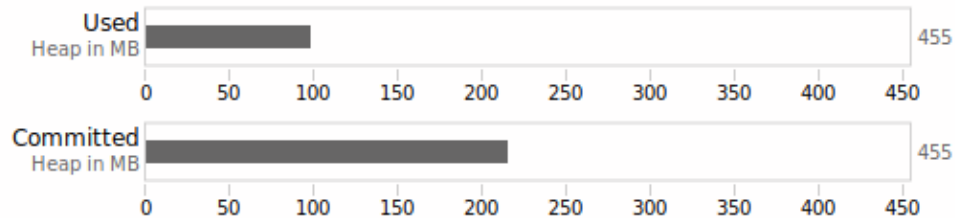
Operating System: Linux 4.13.0-31-generic

Processors: 4

JVM Uptime: 8 min, 45 s

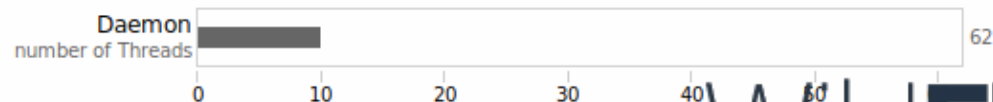
Heap Usage

Max 455
Used 98
Committed 216



Thread Usage

Live 62
Daemon 10



standalone.sh



WildFly Management x +

127.0.0.1:9990/console/App.html#standalone-runtime;backButton=/logfiles ... ☆ Q Rechercher

WildFly Messages:

« Back Server: Standalone Server > Monitor: Log Files

LOG FILES SERVER.LOG x

server.log

Find Find < > Refresh

```
1 2018-01-25 00:46:49,973 INFO [org.jboss.modules] (main) JBoss Modules version 1.6.1.Final
2 2018-01-25 00:46:50,841 INFO [org.jboss.msc] (main) JBoss MSC version 1.2.7.SP1
3 2018-01-25 00:46:51,247 INFO [org.jboss.as] (MSC service thread 1-8) WFLYSRV0049: WildFly Full 11.0.0.Final (WildFly Core 3.0.8.Final) starting
4 2018-01-25 00:46:51,255 DEBUG [org.jboss.as.config] (MSC service thread 1-8) Configured system properties:
5 [Standalone] =
6   awt.toolkit = sun.awt.X11.XToolkit
7   file.encoding = UTF-8
8   file.encoding.pkg = sun.io
9   file.separator = /
10  java.awt.graphicsenv = sun.awt.X11GraphicsEnvironment
11  java.awt.headless = true
12  java.awt.printerjob = sun.print.PSPrinterJob
13  java.class.path = /home/fuchs/Téléchargements/wildfly-11.0.0.Final/jboss-modules.jar
14  java.class.version = 52.0
15  java.endorsed.dirs = /usr/lib/jvm/java-8-openjdk-amd64/jre/lib/endorsed
16  java.ext.dirs = /usr/lib/jvm/java-8-openjdk-amd64/jre/lib/ext:/usr/java/packages/lib/ext
17  java.home = /usr/lib/jvm/java-8-openjdk-amd64/jre
18  java.io.tmpdir = /tmp
19  java.library.path = /usr/java/packages/lib/amd64:/usr/lib/x86_64-linux-gnu/jni:/lib/x86_64-linux-gnu:/usr/lib/x86_64-linux-gnu:/usr/lib/jni:/lib:/usr/lib
20  java.net.preferIPv4Stack = true
21  java.runtime.name = OpenJDK Runtime Environment
22  java.runtime.version = 1.8.0_151-8u151-b12-0ubuntu0.17.10.2-b12
```



standalone.sh



standalone.sh



GitHub, Inc. [US] | https://github.com/wildfly/quickstart

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Code Pull requests 0 Wiki Insights

Holds all versioned WildFly quickstarts

1,813 commits 5 branches 7 releases 122 contributors

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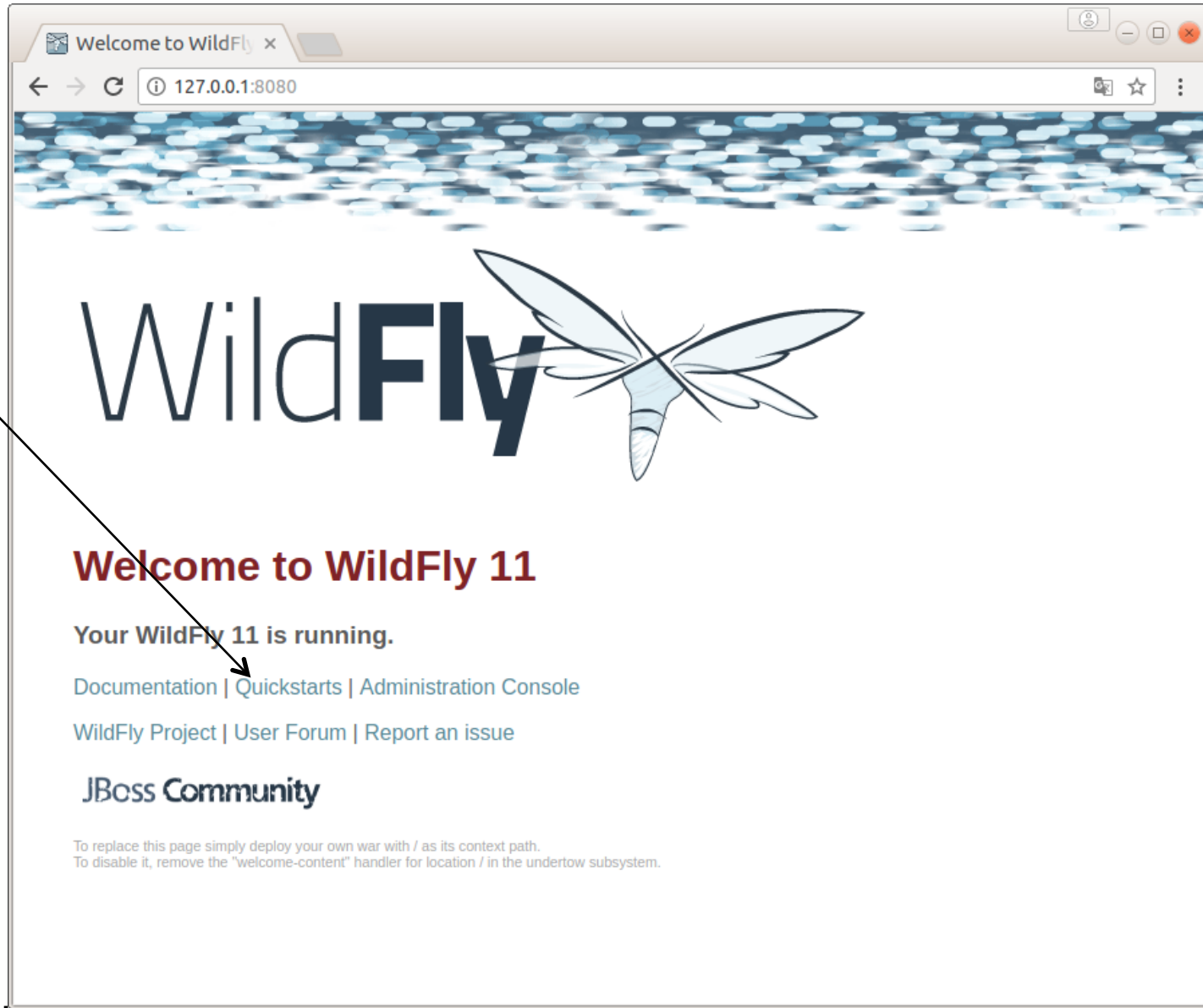
sgilda committed with ctomc JBEAP-14084: Create shared content - Start the servers Latest commit 7de01c4 6 days ago

.mvn	update docs	6 months ago
app-client	JBEAP-14084: Create shared content - Start the servers	2 days ago
batch-processing	JBEAP-14084: Create shared content - Start the servers	2 days ago
bean-validation-custom-constraint	JBEAP-14084: Create shared content - Start the servers	2 days ago
bean-validation	JBEAP-14084: Create shared content - Start the servers	2 days ago
bmt	JBEAP-14084: Create shared content - Start the servers	2 days ago
cmt	JBEAP-14084: Create shared content - Start the servers	2 days ago
contacts-jquerymobile	JBEAP-14084: Create shared content - Start the servers	2 days ago
deltaspikes-authorization	Move documentation to asciidoc	2 months ago
deltaspikes-beanbuilder	Move documentation to asciidoc	2 months ago
deltaspikes-projectstage	Move documentation to asciidoc	2 months ago
dist	sync	3 months ago
ejb-asynchronous	JBEAP-14084: Create shared content - Start the servers	2 days ago
ejb-in-ear	JBEAP-14084: Create shared content - Start the servers	2 days ago
ejb-in-war	JBEAP-14084: Create shared content - Start the servers	2 days ago
ejb-multi-server	JBEAP-14084: Create shared content - Start the servers	2 days ago

standalone.sh



A faire partie 2 : Helloworld





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Star 562

Fork 856

Code

Pull requests 0

Wiki

Insights

Branch: master

quickstart / helloworld /

Create new file

Upload files

Find file

History



sgilda committed with ctomc JBEAP-14084: Create shared content - Start the servers

Latest commit 7de01c4 6 days ago

..

src/main

JDF-841 - Synchronize Wildfly and EAP Quickstarts

2 years ago

.cheatsheet.xml

JDF-841 - Synchronize Wildfly and EAP Quickstarts

2 years ago

README.adoc

JBEAP-14084: Create shared content - Start the servers

2 days ago

pom.xml

start v12 development

3 months ago

README.adoc

helloworld: Helloworld Example

The `helloworld` quickstart demonstrates the use of CDI and Servlet 3 and is a good starting point to verify WildFly is configured correctly.

What is it?

The `helloworld` quickstart demonstrates the use of *CDI* and *Servlet 3* in WildFly Application Server 12.




[../shared-doc/system-requirements.adoc](#)



helloworld



m/wildfly/quickstart/tree/master/helloworld

 .cheatsheet.xml	JDF-841 - Synchronize Wildfly and EAP Quickstarts	2 years ago
 README.adoc	JBEAP-14084: Create shared content - Start the servers	2 days ago
 pom.xml	start v12 development	3 months ago

README.adoc

helloworld: Helloworld Example

The `helloworld` quickstart demonstrates the use of CDI and Servlet 3 and is a good starting point to verify WildFly is configured correctly.

What is it?

The `helloworld` quickstart demonstrates the use of *CDI* and *Servlet 3* in WildFly Application Server 12.

[../shared-doc/system-requirements.adoc](#)

[../shared-doc/use-of-jboss-home-name.adoc](#)

[../shared-doc/start-server-default-profile.adoc](#)

Build and Deploy the Quickstart

1. Make sure you have started the WildFly server as described above.
2. Open a terminal and navigate to the root directory of this quickstart.
3. Type this command to build and deploy the archive:

```
$ mvn clean install wildfly:deploy
```

4. This will deploy `target/{artifactId}.war` to the running instance of the server.

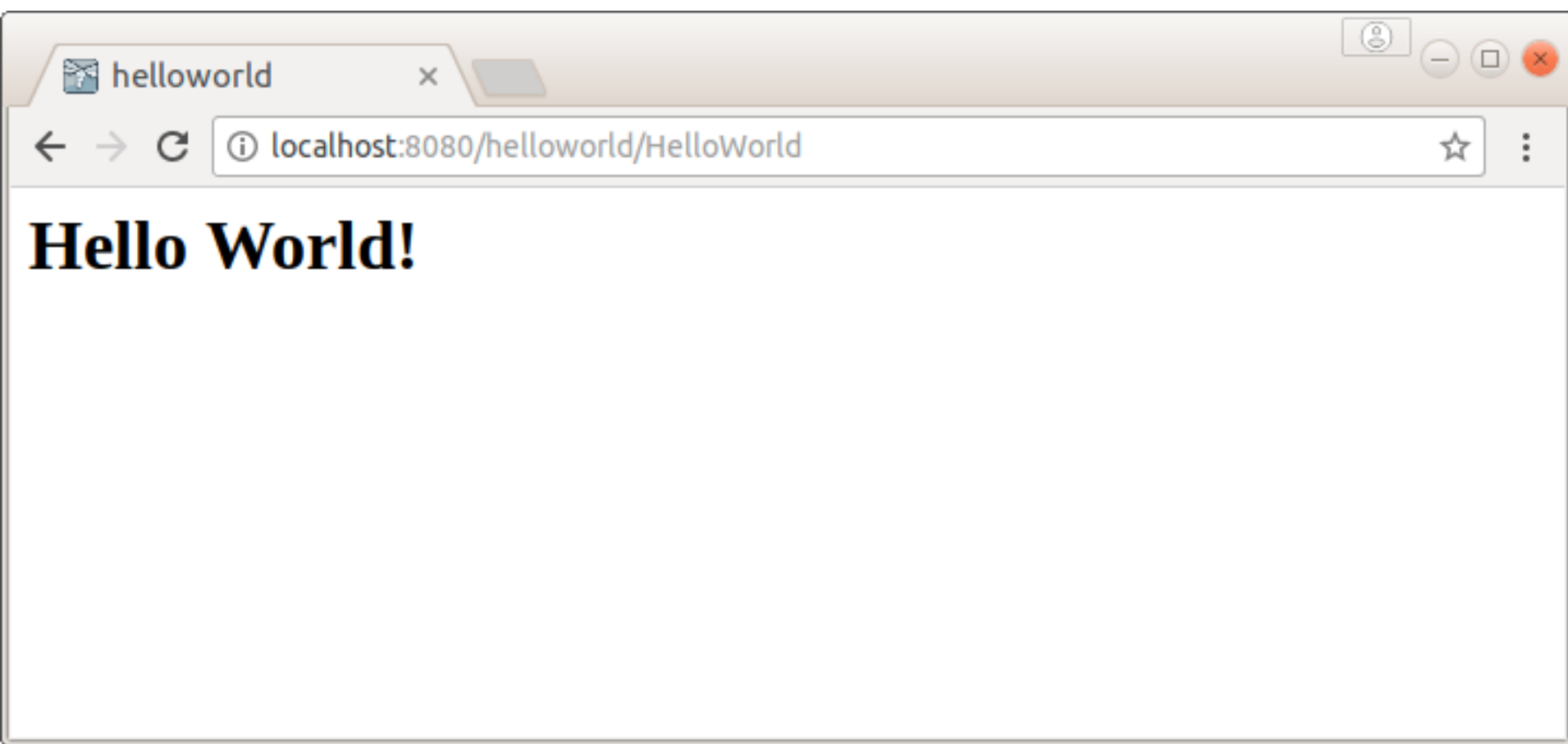


helloworld



```
fuchs@fuchs-Latitude-E6530:~/telechargements/quickstart-master/helloworld$ cd ..
fuchs@fuchs-Latitude-E6530:~/Téléchargements/quickstart-master$ ls
app-client          ejb-security-jaas      helloworld-ws        logging-tools        spring-kitchensink-springmvctest
batch-processing    ejb-security-programmatic-auth  hibernate            mail                spring-petclinic
bean-validation     ejb-throws-exception   hibernate4           managed-executor-service  spring-resteasy
bean-validation-custom-constraint  ejb-timer             inter-app            messaging-clustering   tasks
bnt                forge-from-scratch    jaxrs-client         messaging-clustering-singleton  tasks-jsf
buildReadmes.sh    greeter               jaxws-addressing     numberguess           tasks-rs
cnt               guide                jaxws-ejb            payment-cdi-event      temperature-converter
configure-postgresql.cli  ha-singleton-deployment  jaxws-pojo           pom.xml              template
contacts-jquerymobile  ha-singleton-service    jaxws-retail         README.adoc           thread-racing
CONTRIBUTING.md      helloworld            jsonp                 RELEASE_PROCEDURE.adoc  websocket-client
contributor-settings.xml  helloworld-classfiletransformer  jta-crash-rec       remove-postgresql.cli  websocket-endpoint
deltaspikes-authorization  helloworld-html5        jts                  resteasy-jaxrs-client  websocket-hello
deltaspikes-beanbuilder   helloworld-jms          jts-distributed-crash-rec  security-domain-to-domain  wicket-ear
deltaspikes-projectstage  helloworld-mbean        kitchensink            servlet-async          wicket-war
dist                 helloworld-mdb          kitchensink-angularjs  servlet-filterlistener  wsat-simple
ejb-asynchronous        helloworld-mdb-propertysubstitution  kitchensink-ear      servlet-security        wsba-coordinator-completion-simple
ejb-in-ear              helloworld-mutual-ssl   kitchensink-jsp        settings.xml           wsba-participant-completion-simple
ejb-in-war              helloworld-mutual-ssl-secured  kitchensink-ml        shared-doc              xml-jaxp
ejb-multi-server        helloworld-rf           kitchensink-utjs-angularjs  shopping-cart          spring-greeter
ejb-remote             helloworld-rs           kitchensink-utjs-mustache  shrinkwrap-resolver    spring-kitchensink-basic
ejb-security            helloworld-singleton    LICENSE.txt            logging
ejb-security-context-propagation  helloworld-ssl          logging
```

helloworld



helloworld



- Rendre des copies d' écran :



