

# Home

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# 1 Welcome to WildFly Camel

---

This is the umbrella project for [Apache Camel](#) integration with the [WildFly Application Server](#). It is the home of the integration testsuite, the installer, documentation, etc.

## 2 Running the Installer

To run the Project Distribution installer execute the following command

```
[tdiesler@localhost wildfly-camel]$ cd build  
[tdiesler@localhost build]$ java -jar target/wildfly-camel-installer-1.0.0-SNAPSHOT.jar
```

This should produce a welcome screen like this



On the following screens you'll be asked to select the wildfly distro that is used to install the Camel Subsystem. If you're curious checkout the [install-definition.xml](#) file to see what is actually being written.

## 3 Running Integration Tests

All WildFly Camel integration tests are based on [Arquillian](#).

The integration tests are best executed against a [running server](#).

```
[tdiesler@localhost wildfly-camel]$ cd itests
[tdiesler@localhost itests]$ mvn clean install

-----

T E S T S

-----

Running org.wildfly.camel.test.jms.MessagingTestCase
Tests run: 4, Failures: 0, Errors: 0, Skipped: 0, Time elapsed: 5.11 sec
Running org.wildfly.camel.test.provision.FeatureProvisionTestCase
Tests run: 1, Failures: 0, Errors: 0, Skipped: 0, Time elapsed: 0.291 sec
Running org.wildfly.camel.test.smoke.BeanTransformTestCase
Tests run: 1, Failures: 0, Errors: 0, Skipped: 0, Time elapsed: 0.201 sec
Running org.wildfly.camel.test.smoke.SimpleTransformTestCase
Tests run: 1, Failures: 0, Errors: 0, Skipped: 0, Time elapsed: 0.171 sec
Running org.wildfly.camel.test.smoke.SpringBeanDeploymentTestCase
Tests run: 1, Failures: 0, Errors: 0, Skipped: 0, Time elapsed: 0.713 sec
Running org.wildfly.camel.test.smoke.SpringBeanTransformTestCase
Tests run: 1, Failures: 0, Errors: 0, Skipped: 0, Time elapsed: 0.451 sec
Running org.wildfly.camel.test.smoke.SpringContextDeploymentTestCase
Tests run: 1, Failures: 0, Errors: 0, Skipped: 0, Time elapsed: 0.404 sec
Running org.wildfly.camel.test.smoke.SpringContextTestCase
Tests run: 1, Failures: 0, Errors: 0, Skipped: 0, Time elapsed: 0.327 sec
Running org.wildfly.camel.test.smoke.SystemContextTestCase
Tests run: 1, Failures: 0, Errors: 0, Skipped: 0, Time elapsed: 0.09 sec

Results :

Tests run: 12, Failures: 0, Errors: 0, Skipped: 0

[INFO] -----
[INFO] BUILD SUCCESS
[INFO] -----
[INFO] Total time: 16.168s
[INFO] Finished at: Fri May 24 14:47:16 CEST 2013
[INFO] Final Memory: 60M/229M
[INFO] -----
```

### 3.1 Running individual tests

We support execution of single tests like this

```
[tdiesler@localhost itests]$ mvn -Dtest=MessagingTestCase test
```

## 3.2 Running tests from the IDE

---

To run the tests from the IDE you need to set these [system properties](#)

```
-Djava.util.logging.manager=org.jboss.logmanager.LogManager  
  
-Dwildfly.camel.home=${workspace_loc:wildfly-camel-build}/target/wildfly-camel-1.0.0-SNAPSHOT
```

## 3.3 Debugging the running Server

---

Remote debugging can be enabled in [bin/standalone.conf](#)

## 4 Building from Source

The WildFly Camel project has its source code hosted at [github](#) and is built using [Maven 3](#). This page describes the building process for the umbrella project, the project that pulls all the subcomponents together, builds and tests the WildFly Camel integration.

### 4.1 Clone from GitHub

The following command clones the umbrella project into your workspace:

```
git clone git://github.com/tdiesler/wildfly-camel.git
```

### 4.2 Configuring Maven to use the JBoss Repository

To use dependencies from the jboss.org repository the following snippet should be included in settings.xml

```
<settings>
  <profiles>
    <profile>
      <id>jboss-public-repository</id>
      <repositories>
        <repository>
          <id>jboss-public-repository-group</id>
          <name>JBoss Public Maven Repository Group</name>
          <url>https://repository.jboss.org/nexus/content/groups/public/</url>
          <layout>default</layout>
          <releases>
            <enabled>true</enabled>
            <updatePolicy>never</updatePolicy>
          </releases>
          <snapshots>
            <enabled>true</enabled>
            <updatePolicy>never</updatePolicy>
          </snapshots>
        </repository>
      </repositories>
    </profile>
  </profiles>
  <activeProfiles>
    <activeProfile>jboss-public-repository</activeProfile>
  </activeProfiles>
</settings>
```

For more details, see [Configuring Maven](#)

## 4.3 Build with Maven

When you see a reference to a WildFly snapshot in the [main pom](#) you need to build wildfly [camel branch](#) first.

```
git clone -b camel git://github.com/tdiesler/wildfly.git
mvn clean install
```

When this is done use the command below to build the project and run the testsuite

```
[tdiesler@tdvaio trunk]$ mvn clean install
...
[INFO] -----
[INFO] Reactor Summary:
[INFO]
[INFO] Wildfly Camel ..... SUCCESS [0.660s]
[INFO] Wildfly Camel Subsystem ..... SUCCESS [5.489s]
[INFO] Wildfly Camel Build ..... SUCCESS [10.225s]
[INFO] Wildfly Camel Enricher ..... SUCCESS [1.803s]
[INFO] Wildfly Camel Testsuite ..... SUCCESS [20.401s]
[INFO] -----
[INFO] BUILD SUCCESS
[INFO] -----
[INFO] Total time: 39.133s
[INFO] Finished at: Fri May 24 09:45:09 CEST 2013
[INFO] Final Memory: 85M/250M
[INFO] -----
```



## 5 Building the Server

---

The WildFly Camel Server is built using the [modular build](#) functionality to define the minimum set of subsystems and to reduce the set of binaries that are reachable.

Currently we include and integrate with these subsystems

- logging
- camel
- deployment-scanner
- jmx
- messaging
- naming
- provision
- remoting
- security

As part of the build, we also generate and auto run the [installer](#) on the virgin wildfly server. This approach ensures that all integration tests can actually be run when installing Camel on the WildFly Application Server.

## 5.1 Running the Server

```
[tdiesler@localhost wildfly-camel]$ cd build/target/wildfly-camel-1.0.0-SNAPSHOT
[tdiesler@localhost wildfly-camel-1.0.0-SNAPSHOT]$ bin/standalone.sh
=====

JBoss Bootstrap Environment

JBOSS_HOME: /Users/tdiesler/git/wildfly-camel/build/target/wildfly-camel-1.0.0-SNAPSHOT

JAVA: /Library/Java/JavaVirtualMachines/jdk1.7.0_13.jdk/Contents/Home/bin/java

JAVA_OPTS: -server -XX:+UseCompressedOops -Xms64m -Xmx512m -XX:MaxPermSize=256m
-Djava.net.preferIPv4Stack=true -Djboss.modules.system.pkgs=org.jboss.byteman
-Djava.awt.headless=true

=====

14:32:36,221 INFO [org.jboss.as] (MSC service thread 1-6) JBAS015899: WildFly
8.0.0.Alpha2-SNAPSHOT "WildFly" starting
...
14:32:36,912 INFO [org.jboss.as.provision] (ServerService Thread Pool -- 15) JBAS020300:
Activating Provision Subsystem
14:32:36,912 INFO [org.jboss.as.naming] (ServerService Thread Pool -- 14) JBAS011800:
Activating Naming Subsystem
14:32:36,919 INFO [org.jboss.camel] (MSC service thread 1-1) JBAS020000: Activating Camel
Subsystem
14:32:36,919 INFO [org.jboss.camel] (MSC service thread 1-7) JBAS020001: Register camel
context: system-context-1
14:32:36,972 INFO [org.jboss.as.naming] (MSC service thread 1-3) JBAS011802: Starting Naming
Service
...
14:32:37,527 INFO [org.hornetq.core.server] (ServerService Thread Pool -- 18) HQ221001:
HornetQ Server version 2.3.1.Final (Wild Hornet, 123) [72ff288e-c46d-11e2-bb0c-b12f6f705d79]
...
14:32:38,757 INFO [org.apache.camel.spring.SpringCamelContext] (MSC service thread 1-7) Apache
Camel 2.11.0 (CamelContext: system-context-1) started in 0.414 seconds
14:32:38,793 INFO [org.jboss.as] (Controller Boot Thread) JBAS015961: Http management
interface listening on http://127.0.0.1:9990/management
14:32:38,793 INFO [org.jboss.as] (Controller Boot Thread) JBAS015951: Admin console listening
on http://127.0.0.1:9990
14:32:38,793 INFO [org.jboss.as] (Controller Boot Thread) JBAS015874: WildFly
8.0.0.Alpha2-SNAPSHOT "WildFly" started in 3174ms - Started 81 of 85 services (20 services are
lazy, passive or on-demand)
```

## 6 Project Infrastructure

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### 6.1 Source

---

<https://github.com/tdiesler/wildfly-camel>

### 6.2 Issue Tracker

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<https://issues.jboss.org/browse/wfcam>

### 6.3 Continuous Integration

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TODO

### 6.4 Downloads

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TODO

### 6.5 Forums, Lists, IRC

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TODO

Meanwhile you can use [wildfly channels](#)