Настройка JMS под JBoss EAP 6.2

Настройка JMS включена в maven профайл config-jboss.

Для работы JMS в clustered standalone режиме (когда запущено несколько процессов jboss в standalone режиме) необходимо дополнительно добавить следующую конфигурацию:

1. В узле <extensions>

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| --- |
| <extension module="org.jboss.as.clustering.jgroups"/> |

1. В узле <profile>

|  |
| --- |
| <subsystem xmlns="urn:jboss:domain:jgroups:1.1" default-stack="udp">  <stack name="udp">  <transport type="UDP" socket-binding="jgroups-udp"/>  <protocol type="PING"/>  <protocol type="MERGE3"/>  <protocol type="FD\_SOCK" socket-binding="jgroups-udp-fd"/>  <protocol type="FD"/>  <protocol type="VERIFY\_SUSPECT"/>  <protocol type="pbcast.NAKACK"/>  <protocol type="UNICAST2"/>  <protocol type="pbcast.STABLE"/>  <protocol type="pbcast.GMS"/>  <protocol type="UFC"/>  <protocol type="MFC"/>  <protocol type="FRAG2"/>  <protocol type="RSVP"/>  </stack>  <stack name="tcp">  <transport type="TCP" socket-binding="jgroups-tcp"/>  <protocol type="MPING" socket-binding="jgroups-mping"/>  <protocol type="MERGE2"/>  <protocol type="FD\_SOCK" socket-binding="jgroups-tcp-fd"/>  <protocol type="FD"/>  <protocol type="VERIFY\_SUSPECT"/>  <protocol type="pbcast.NAKACK"/>  <protocol type="UNICAST2"/>  <protocol type="pbcast.STABLE"/>  <protocol type="pbcast.GMS"/>  <protocol type="UFC"/>  <protocol type="MFC"/>  <protocol type="FRAG2"/>  <protocol type="RSVP"/>  </stack>  </subsystem> |

1. В узле <hornetq-server>

|  |
| --- |
| <cluster-password>password</cluster-password>  <broadcast-groups>  <broadcast-group name="bg-group1">  <socket-binding>messaging-group</socket-binding>  <broadcast-period>5000</broadcast-period>  <connector-ref>netty</connector-ref>  </broadcast-group>  </broadcast-groups>  <discovery-groups>  <discovery-group name="dg-group1">  <socket-binding>messaging-group</socket-binding>  <refresh-timeout>10000</refresh-timeout>  </discovery-group>  </discovery-groups>  <cluster-connections>  <cluster-connection name="my-cluster">  <address>jms</address>  <connector-ref>netty</connector-ref>  <discovery-group-ref discovery-group-name="dg-group1"/>  </cluster-connection>  </cluster-connections> |

1. В узле <socket-binding-group name="standard-sockets" default-interface="public" port-offset="${jboss.socket.binding.port-offset:0}">

|  |
| --- |
| <socket-binding name="jgroups-mping" port="0" multicast-address="${jboss.default.multicast.address:230.0.0.4}" multicast-port="45700"/>  <socket-binding name="jgroups-tcp" port="7600"/>  <socket-binding name="jgroups-tcp-fd" port="57600"/>  <socket-binding name="jgroups-udp" port="55200" multicast-address="${jboss.default.multicast.address:230.0.0.4}" multicast-port="45688"/>  <socket-binding name="jgroups-udp-fd" port="54200"/>  <socket-binding name="messaging-group" port="0" multicast-address="${jboss.messaging.group.address:231.7.7.7}" multicast-port="${jboss.messaging.group.port:9876}"/> |

Пример конфигурации в clustered standalone режиме:

|  |
| --- |
| <?xml version='1.0' encoding='UTF-8'?>  <server xmlns="urn:jboss:domain:1.5">  <extensions>  <extension module="org.jboss.as.clustering.infinispan"/>  <extension module="org.jboss.as.connector"/>  <extension module="org.jboss.as.deployment-scanner"/>  <extension module="org.jboss.as.ee"/>  <extension module="org.jboss.as.ejb3"/>  <extension module="org.jboss.as.jaxrs"/>  <extension module="org.jboss.as.jdr"/>  <extension module="org.jboss.as.jmx"/>  <extension module="org.jboss.as.jpa"/>  <extension module="org.jboss.as.jsf"/>  <extension module="org.jboss.as.logging"/>  <extension module="org.jboss.as.mail"/>  <extension module="org.jboss.as.naming"/>  <extension module="org.jboss.as.pojo"/>  <extension module="org.jboss.as.remoting"/>  <extension module="org.jboss.as.sar"/>  <extension module="org.jboss.as.security"/>  <extension module="org.jboss.as.threads"/>  <extension module="org.jboss.as.transactions"/>  <extension module="org.jboss.as.web"/>  <extension module="org.jboss.as.webservices"/>  <extension module="org.jboss.as.weld"/>  <extension module="org.jboss.as.messaging"/>  <extension module="org.jboss.as.clustering.jgroups"/>  </extensions>  <system-properties>  <property name="server.properties.location" value="C:/jboss-as-7.1.1.Final/bin"/>  <property name="spring.profiles.active" value="default"/>  <property name="solr.solr.home" value="$"/>  <property name="org.apache.catalina.connector.URI\_ENCODING" value="UTF-8"/>  <property name="org.apache.catalina.connector.USE\_BODY\_ENCODING\_FOR\_QUERY\_STRING" value="true"/>  </system-properties>  <management>  <security-realms>  <security-realm name="ManagementRealm">  <authentication>  <local default-user="$local"/>  <properties path="mgmt-users.properties" relative-to="jboss.server.config.dir"/>  </authentication>  <authorization map-groups-to-roles="false">  <properties path="mgmt-groups.properties" relative-to="jboss.server.config.dir"/>  </authorization>  </security-realm>  <security-realm name="ApplicationRealm">  <authentication>  <jaas name="CM5"/>  </authentication>  </security-realm>  </security-realms>  <audit-log>  <formatters>  <json-formatter name="json-formatter"/>  </formatters>  <handlers>  <file-handler name="file" formatter="json-formatter" path="audit-log.log" relative-to="jboss.server.data.dir"/>  </handlers>  <logger log-boot="true" log-read-only="false" enabled="false">  <handlers>  <handler name="file"/>  </handlers>  </logger>  </audit-log>  <management-interfaces>  <native-interface security-realm="ManagementRealm">  <socket-binding native="management-native"/>  </native-interface>  <http-interface security-realm="ManagementRealm">  <socket-binding http="management-http"/>  </http-interface>  </management-interfaces>  <access-control provider="simple">  <role-mapping>  <role name="SuperUser">  <include>  <user name="$local"/>  </include>  </role>  </role-mapping>  </access-control>  </management>  <profile>    <subsystem xmlns="urn:jboss:domain:jgroups:1.1" default-stack="udp">  <stack name="udp">  <transport type="UDP" socket-binding="jgroups-udp"/>  <protocol type="PING"/>  <protocol type="MERGE3"/>  <protocol type="FD\_SOCK" socket-binding="jgroups-udp-fd"/>  <protocol type="FD"/>  <protocol type="VERIFY\_SUSPECT"/>  <protocol type="pbcast.NAKACK"/>  <protocol type="UNICAST2"/>  <protocol type="pbcast.STABLE"/>  <protocol type="pbcast.GMS"/>  <protocol type="UFC"/>  <protocol type="MFC"/>  <protocol type="FRAG2"/>  <protocol type="RSVP"/>  </stack>  <stack name="tcp">  <transport type="TCP" socket-binding="jgroups-tcp"/>  <protocol type="MPING" socket-binding="jgroups-mping"/>  <protocol type="MERGE2"/>  <protocol type="FD\_SOCK" socket-binding="jgroups-tcp-fd"/>  <protocol type="FD"/>  <protocol type="VERIFY\_SUSPECT"/>  <protocol type="pbcast.NAKACK"/>  <protocol type="UNICAST2"/>  <protocol type="pbcast.STABLE"/>  <protocol type="pbcast.GMS"/>  <protocol type="UFC"/>  <protocol type="MFC"/>  <protocol type="FRAG2"/>  <protocol type="RSVP"/>  </stack>  </subsystem>  <subsystem xmlns="urn:jboss:domain:logging:1.3">  <console-handler name="CONSOLE">  <level name="INFO"/>  <formatter>  <pattern-formatter pattern="%K{level}%d{HH:mm:ss,SSS} %-5p [%c] (%t) %s%E%n"/>  </formatter>  </console-handler>  <periodic-rotating-file-handler name="FILE" autoflush="true">  <formatter>  <pattern-formatter pattern="%d{HH:mm:ss,SSS} %-5p [%c] (%t) %s%E%n"/>  </formatter>  <file relative-to="jboss.server.log.dir" path="server.log"/>  <suffix value=".yyyy-MM-dd"/>  <append value="true"/>  </periodic-rotating-file-handler>  <logger category="com.arjuna">  <level name="WARN"/>  </logger>  <logger category="org.apache.tomcat.util.modeler">  <level name="WARN"/>  </logger>  <logger category="org.jboss.as.config">  <level name="DEBUG"/>  </logger>  <logger category="sun.rmi">  <level name="WARN"/>  </logger>  <logger category="jacorb">  <level name="WARN"/>  </logger>  <logger category="jacorb.config">  <level name="ERROR"/>  </logger>  <root-logger>  <level name="INFO"/>  <handlers>  <handler name="CONSOLE"/>  <handler name="FILE"/>  </handlers>  </root-logger>  </subsystem>  <subsystem xmlns="urn:jboss:domain:datasources:1.1">  <datasources>  <datasource jndi-name="java:jboss/datasources/ExampleDS" pool-name="ExampleDS" enabled="true" use-java-context="true">  <connection-url>jdbc:h2:mem:test;DB\_CLOSE\_DELAY=-1;DB\_CLOSE\_ON\_EXIT=FALSE</connection-url>  <driver>h2</driver>  <security>  <user-name>sa</user-name>  <password>sa</password>  </security>  </datasource>  <datasource jndi-name="java:jboss/datasources/CM5" pool-name="CompanyMedia" enabled="true" use-ccm="false">  <connection-url>jdbc:postgresql://localhost:5432/cm5</connection-url>  <datasource-class>org.postgresql.xa.PGXADataSource</datasource-class>  <driver>postgresql-jdbc4.jar</driver>  <security>  <user-name>postgres</user-name>  <password>password</password>  </security>  </datasource>  <drivers>  <driver name="h2" module="com.h2database.h2">  <xa-datasource-class>org.h2.jdbcx.JdbcDataSource</xa-datasource-class>  </driver>  </drivers>  </datasources>  </subsystem>  <subsystem xmlns="urn:jboss:domain:deployment-scanner:1.1">  <deployment-scanner path="deployments" relative-to="jboss.server.base.dir" scan-interval="5000" deployment-timeout="3600"/>  </subsystem>  <subsystem xmlns="urn:jboss:domain:ee:1.1">  <spec-descriptor-property-replacement>false</spec-descriptor-property-replacement>  <jboss-descriptor-property-replacement>true</jboss-descriptor-property-replacement>  </subsystem>  <subsystem xmlns="urn:jboss:domain:ejb3:1.4">  <session-bean>  <stateless>  <bean-instance-pool-ref pool-name="slsb-strict-max-pool"/>  </stateless>  <stateful default-access-timeout="5000" cache-ref="simple"/>  <singleton default-access-timeout="5000"/>  </session-bean>  <mdb>  <resource-adapter-ref resource-adapter-name="RemoteConnectionFactory"/>  <bean-instance-pool-ref pool-name="mdb-strict-max-pool"/>  </mdb>  <pools>  <bean-instance-pools>  <strict-max-pool name="slsb-strict-max-pool" max-pool-size="20" instance-acquisition-timeout="5" instance-acquisition-timeout-unit="MINUTES"/>  <strict-max-pool name="mdb-strict-max-pool" max-pool-size="20" instance-acquisition-timeout="5" instance-acquisition-timeout-unit="MINUTES"/>  </bean-instance-pools>  </pools>  <caches>  <cache name="simple" aliases="NoPassivationCache"/>  <cache name="passivating" passivation-store-ref="file" aliases="SimpleStatefulCache"/>  </caches>  <passivation-stores>  <file-passivation-store name="file"/>  </passivation-stores>  <async thread-pool-name="default"/>  <timer-service thread-pool-name="default">  <data-store path="timer-service-data" relative-to="jboss.server.data.dir"/>  </timer-service>  <remote connector-ref="remoting-connector" thread-pool-name="default"/>  <thread-pools>  <thread-pool name="default">  <max-threads count="10"/>  <keepalive-time time="100" unit="milliseconds"/>  </thread-pool>  </thread-pools>  <default-security-domain value="other"/>  <default-missing-method-permissions-deny-access value="false"/>  </subsystem>  <subsystem xmlns="urn:jboss:domain:infinispan:1.4">  <cache-container name="web" aliases="standard-session-cache" default-cache="local-web" module="org.jboss.as.clustering.web.infinispan">  <local-cache name="local-web" batching="true">  <file-store passivation="false" purge="false"/>  </local-cache>  </cache-container>  <cache-container name="hibernate" default-cache="local-query" module="org.jboss.as.jpa.hibernate:4">  <local-cache name="entity">  <transaction mode="NON\_XA"/>  <eviction strategy="LRU" max-entries="10000"/>  <expiration max-idle="100000"/>  </local-cache>  <local-cache name="local-query">  <transaction mode="NONE"/>  <eviction strategy="LRU" max-entries="10000"/>  <expiration max-idle="100000"/>  </local-cache>  <local-cache name="timestamps">  <transaction mode="NONE"/>  <eviction strategy="NONE"/>  </local-cache>  </cache-container>  </subsystem>  <subsystem xmlns="urn:jboss:domain:jaxrs:1.0"/>  <subsystem xmlns="urn:jboss:domain:jca:1.1">  <archive-validation enabled="true" fail-on-error="true" fail-on-warn="false"/>  <bean-validation enabled="true"/>  <default-workmanager>  <short-running-threads>  <core-threads count="50"/>  <queue-length count="50"/>  <max-threads count="50"/>  <keepalive-time time="10" unit="seconds"/>  </short-running-threads>  <long-running-threads>  <core-threads count="50"/>  <queue-length count="50"/>  <max-threads count="50"/>  <keepalive-time time="10" unit="seconds"/>  </long-running-threads>  </default-workmanager>  <cached-connection-manager/>  </subsystem>  <subsystem xmlns="urn:jboss:domain:jdr:1.0"/>  <subsystem xmlns="urn:jboss:domain:jmx:1.3">  <expose-resolved-model/>  <expose-expression-model/>  <remoting-connector/>  </subsystem>  <subsystem xmlns="urn:jboss:domain:jpa:1.1">  <jpa default-datasource="" default-extended-persistence-inheritance="DEEP"/>  </subsystem>  <subsystem xmlns="urn:jboss:domain:jsf:1.0"/>  <subsystem xmlns="urn:jboss:domain:mail:1.1">  <mail-session jndi-name="java:jboss/mail/Default">  <smtp-server outbound-socket-binding-ref="mail-smtp"/>  </mail-session>  </subsystem>  <subsystem xmlns="urn:jboss:domain:naming:1.4">  <remote-naming/>  </subsystem>  <subsystem xmlns="urn:jboss:domain:pojo:1.0"/>  <subsystem xmlns="urn:jboss:domain:remoting:1.1">  <connector name="remoting-connector" socket-binding="remoting" security-realm="ApplicationRealm"/>  </subsystem>  <subsystem xmlns="urn:jboss:domain:resource-adapters:1.1"/>  <subsystem xmlns="urn:jboss:domain:sar:1.0"/>  <subsystem xmlns="urn:jboss:domain:security:1.2">  <security-domains>  <security-domain name="other" cache-type="default">  <authentication>  <login-module code="Remoting" flag="optional">  <module-option name="password-stacking" value="useFirstPass"/>  </login-module>  <login-module code="RealmDirect" flag="required">  <module-option name="password-stacking" value="useFirstPass"/>  </login-module>  </authentication>  </security-domain>  <security-domain name="jboss-web-policy" cache-type="default">  <authorization>  <policy-module code="Delegating" flag="required"/>  </authorization>  </security-domain>  <security-domain name="jboss-ejb-policy" cache-type="default">  <authorization>  <policy-module code="Delegating" flag="required"/>  </authorization>  </security-domain>  <security-domain name="CM5" cache-type="default">  <authentication>  <login-module code="org.jboss.security.ClientLoginModule" flag="optional"/>  <login-module code="Remoting" flag="optional">  <module-option name="password-stacking" value="useFirstPass"/>  </login-module>  <login-module code="Database" flag="required">  <module-option name="dsJndiName" value="java:jboss/datasources/CM5"/>  <module-option name="principalsQuery" value="SELECT info.&quot;password&quot; from &quot;authentication\_info&quot; info where info.&quot;user\_uid&quot; = ?"/>  <module-option name="rolesQuery" value="SELECT 'cm\_user', 'Roles' from &quot;authentication\_info&quot; where &quot;user\_uid&quot; = ?"/>  <module-option name="hashAlgorithm" value="MD5"/>  <module-option name="hashEncoding" value="hex"/>  </login-module>  </authentication>  </security-domain>  </security-domains>  </subsystem>  <subsystem xmlns="urn:jboss:domain:threads:1.1"/>  <subsystem xmlns="urn:jboss:domain:transactions:1.4">  <core-environment>  <process-id>  <uuid/>  </process-id>  </core-environment>  <recovery-environment socket-binding="txn-recovery-environment" status-socket-binding="txn-status-manager"/>  <coordinator-environment default-timeout="300"/>  </subsystem>  <subsystem xmlns="urn:jboss:domain:web:1.5" default-virtual-server="default-host" native="false">  <connector name="http" protocol="HTTP/1.1" scheme="http" socket-binding="http"/>  <virtual-server name="default-host" enable-welcome-root="true">  <alias name="localhost"/>  <alias name="example.com"/>  </virtual-server>  </subsystem>  <subsystem xmlns="urn:jboss:domain:webservices:1.2">  <modify-wsdl-address>true</modify-wsdl-address>  <wsdl-host>${jboss.bind.address:127.0.0.1}</wsdl-host>  <endpoint-config name="Standard-Endpoint-Config"/>  <endpoint-config name="Recording-Endpoint-Config">  <pre-handler-chain name="recording-handlers" protocol-bindings="##SOAP11\_HTTP ##SOAP11\_HTTP\_MTOM ##SOAP12\_HTTP ##SOAP12\_HTTP\_MTOM">  <handler name="RecordingHandler" class="org.jboss.ws.common.invocation.RecordingServerHandler"/>  </pre-handler-chain>  </endpoint-config>  <client-config name="Standard-Client-Config"/>  </subsystem>  <subsystem xmlns="urn:jboss:domain:weld:1.0"/>  <subsystem xmlns="urn:jboss:domain:messaging:1.4">  <hornetq-server>  <persistence-enabled>true</persistence-enabled>  <security-enabled>false</security-enabled>  <journal-file-size>102400</journal-file-size>  <journal-min-files>2</journal-min-files>    <cluster-password>password</cluster-password>    <connectors>  <netty-connector name="netty" socket-binding="messaging"/>  <in-vm-connector name="in-vm" server-id="0"/>  </connectors>      <acceptors>  <netty-acceptor name="netty" socket-binding="messaging"/>  <in-vm-acceptor name="in-vm" server-id="0"/>  </acceptors>    <broadcast-groups>  <broadcast-group name="bg-group1">  <socket-binding>messaging-group</socket-binding>  <broadcast-period>5000</broadcast-period>  <connector-ref>netty</connector-ref>  </broadcast-group>  </broadcast-groups>  <discovery-groups>  <discovery-group name="dg-group1">  <socket-binding>messaging-group</socket-binding>  <refresh-timeout>10000</refresh-timeout>  </discovery-group>  </discovery-groups>  <cluster-connections>  <cluster-connection name="my-cluster">  <address>jms</address>  <connector-ref>netty</connector-ref>  <discovery-group-ref discovery-group-name="dg-group1"/>  </cluster-connection>  </cluster-connections>  <security-settings>  <security-setting match="#">  <permission type="send" roles="guest"/>  <permission type="consume" roles="guest"/>  <permission type="createNonDurableQueue" roles="guest"/>  <permission type="deleteNonDurableQueue" roles="guest"/>  </security-setting>  </security-settings>  <address-settings>  <address-setting match="#">  <dead-letter-address>jms.queue.DLQ</dead-letter-address>  <expiry-address>jms.queue.ExpiryQueue</expiry-address>  <redelivery-delay>5000</redelivery-delay>  <max-delivery-attempts>3</max-delivery-attempts>  <max-size-bytes>10485760</max-size-bytes>  <address-full-policy>BLOCK</address-full-policy>  <message-counter-history-day-limit>10</message-counter-history-day-limit>  </address-setting>  </address-settings>  <jms-connection-factories>  <connection-factory name="LocalConnectionFactory">  <connectors>  <connector-ref connector-name="netty"/>  </connectors>  <entries>  <entry name="java:/LocalConnectionFactory"/>  <entry name="java:jboss/exported/jms/LocalConnectionFactory"/>  </entries>  </connection-factory>  <pooled-connection-factory name="RemoteConnectionFactory">  <transaction mode="xa"/>  <connectors>  <connector-ref connector-name="in-vm"/>  </connectors>  <entries>  <entry name="java:/RemoteConnectionFactory"/>  <entry name="java:jboss/exported/jms/RemoteConnectionFactory"/>  </entries>  </pooled-connection-factory>  </jms-connection-factories>  <jms-destinations>  <jms-topic name="ConfigurationUpdateTopic">  <entry name="topic/ConfigurationUpdateTopic"/>  </jms-topic>  </jms-destinations>  </hornetq-server>  </subsystem>  </profile>  <interfaces>  <interface name="management">  <inet-address value="${jboss.bind.address.management:127.0.0.1}"/>  </interface>  <interface name="public">  <inet-address value="${jboss.bind.address:127.0.0.1}"/>  </interface>  <interface name="unsecure">  <inet-address value="${jboss.bind.address.unsecure:127.0.0.1}"/>  </interface>  </interfaces>  <socket-binding-group name="standard-sockets" default-interface="public" port-offset="${jboss.socket.binding.port-offset:0}">  <socket-binding name="management-native" interface="management" port="${jboss.management.native.port:9999}"/>  <socket-binding name="management-http" interface="management" port="${jboss.management.http.port:9990}"/>  <socket-binding name="management-https" interface="management" port="${jboss.management.https.port:9443}"/>  <socket-binding name="ajp" port="8009"/>  <socket-binding name="http" port="8090"/>  <socket-binding name="https" port="8443"/>  <socket-binding name="remoting" port="4447"/>  <socket-binding name="txn-recovery-environment" port="4712"/>  <socket-binding name="txn-status-manager" port="4713"/>  <socket-binding name="messaging" port="5445"/>    <socket-binding name="jgroups-mping" port="0" multicast-address="${jboss.default.multicast.address:230.0.0.4}" multicast-port="45700"/>  <socket-binding name="jgroups-tcp" port="7600"/>  <socket-binding name="jgroups-tcp-fd" port="57600"/>  <socket-binding name="jgroups-udp" port="55200" multicast-address="${jboss.default.multicast.address:230.0.0.4}" multicast-port="45688"/>  <socket-binding name="jgroups-udp-fd" port="54200"/>  <socket-binding name="messaging-group" port="0" multicast-address="${jboss.messaging.group.address:231.7.7.7}" multicast-port="${jboss.messaging.group.port:9876}"/>  <outbound-socket-binding name="mail-smtp">  <remote-destination host="localhost" port="25"/>  </outbound-socket-binding>  </socket-binding-group>  <deployments>  <deployment name="postgresql-jdbc4.jar" runtime-name="postgresql-jdbc4.jar">  <content sha1="65b528162f7cf20b4d44bc31a446724e217ba35b"/>  </deployment>  <deployment name="cm-sochi.ear" runtime-name="cm-sochi.ear">  <content sha1="7a594066dc769dc2dfc0244445195f87862154c7"/>  </deployment>  </deployments>  </server> |