

Результаты выполненного задания по практике ArtemisMQ

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Printscreen с сообщением отправленным в SENDER.QUEUE и переложенным в RECIEVER.QUEUE

The screenshot displays the Apache ActiveMQ Artemis Console interface. The left sidebar contains navigation links: Artemis, Artemis JMX, JMX, and Runtime. The main panel shows the 'Queues' tab selected, displaying a message on the 'RECEIVER.QUEUE'. The message ID is 4295250467, and its body is 'TestMessagePMU'. Below the message body, a table lists the message headers.

Broker: 0.0.0.0

Status Connections Sessions Producers Consumers Addresses **Queues** Broker Diagram

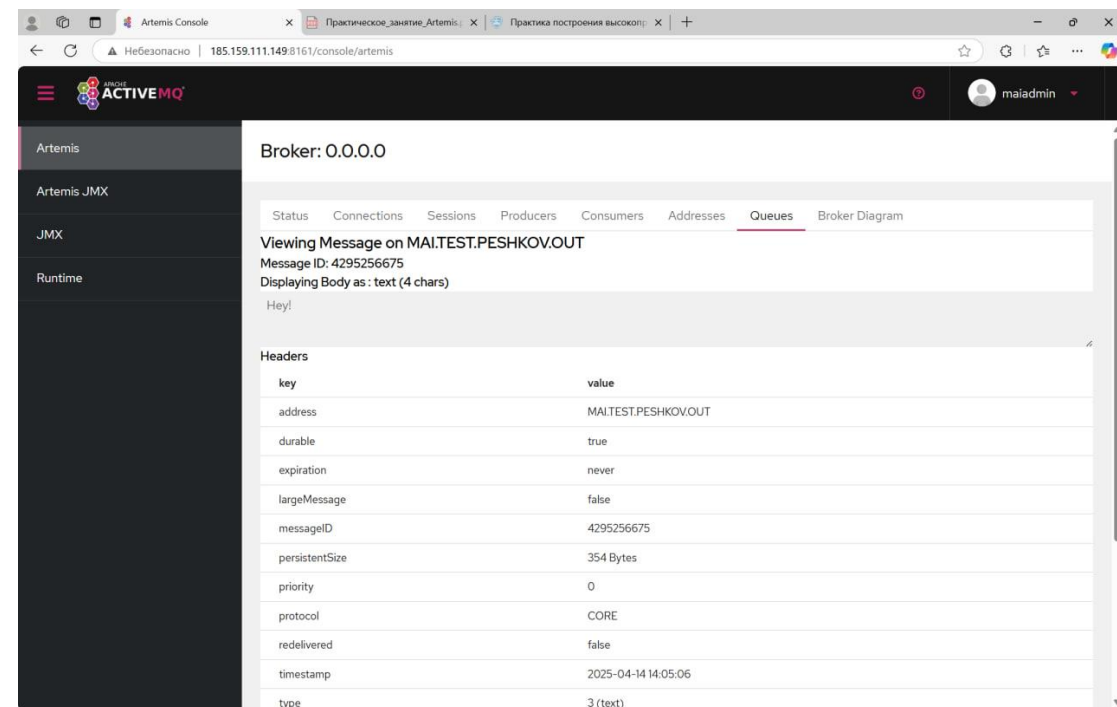
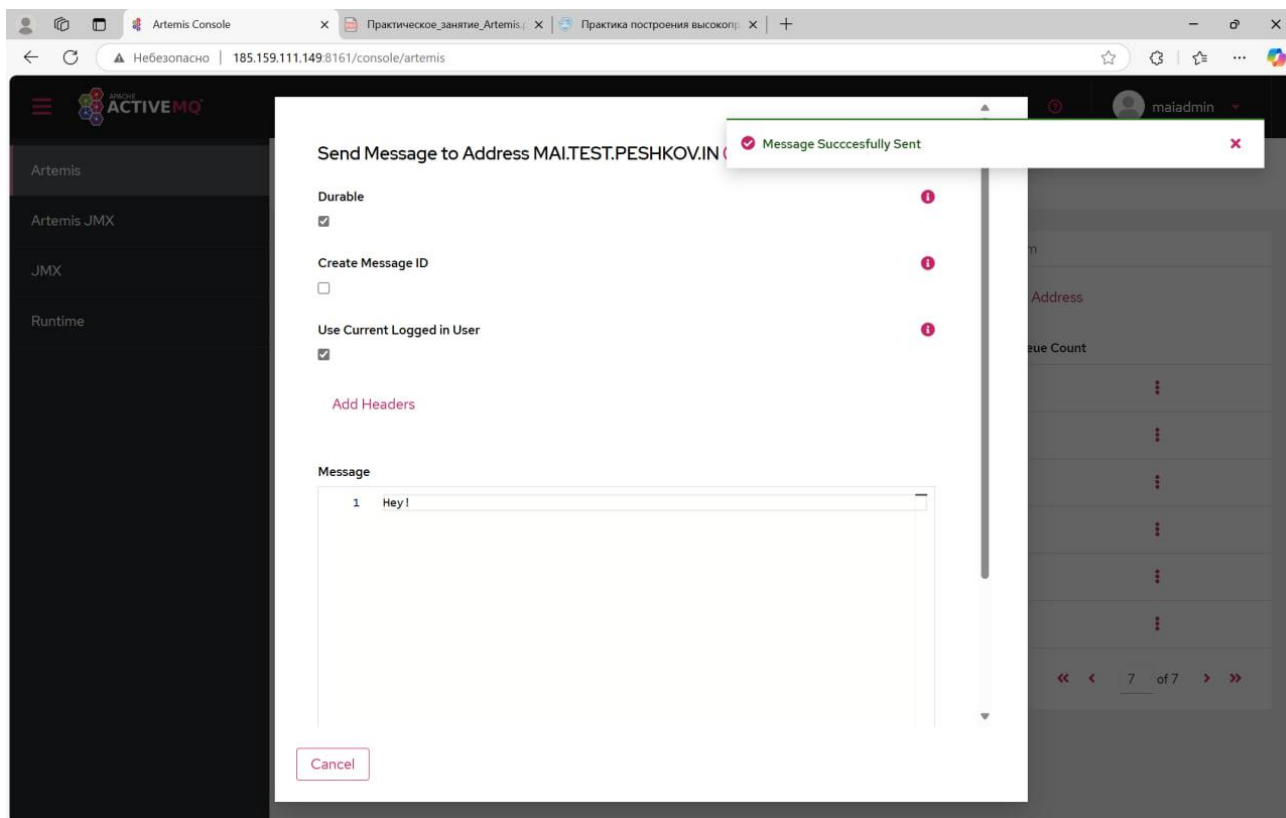
Viewing Message on RECEIVER.QUEUE
Message ID: 4295250467
Displaying Body as : text (14 chars)
TestMessagePMU

Headers

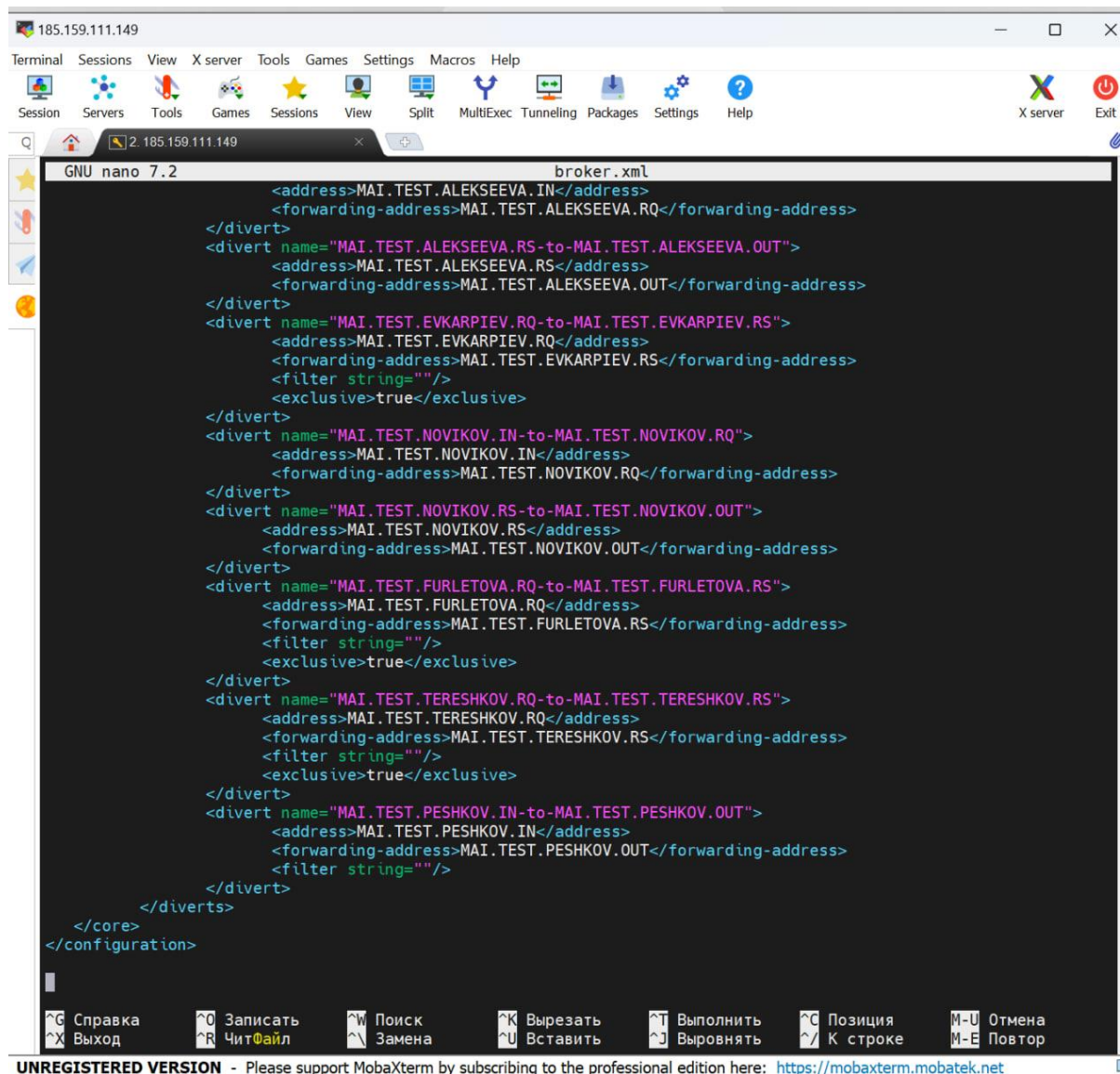
key	value
address	RECEIVER.QUEUE
durable	true
expiration	never
largeMessage	false
messageID	4295250467
persistentSize	338 Bytes
priority	0
protocol	CORE
redelivered	false
timestamp	2025-04-14 10:52:36
type	3 (text)

10:53
14.04.2025

Отправка сообщения через Веб-брокера в MAI.TEST.PESHKOV.IN и чтение сообщения в MAI.TEST.PESHKOV.OUT



Printscreen с дивертом MAI.TEST.PESHKOV.IN-to-MAI.TEST.PESHKOV.OUT



The screenshot shows a MobaXterm terminal window with the title bar '185.159.111.149'. The window contains a GNU nano 7.2 editor editing a file named 'broker.xml'. The XML content defines several network diversions. The specific diversion being highlighted is 'MAI.TEST.PESHKOV.IN-to-MAI.TEST.PESHKOV.OUT', which forwards traffic from 'MAI.TEST.PESHKOV.IN' to 'MAI.TEST.PESHKOV.OUT'. The terminal interface includes a menu bar (Terminal, Sessions, View, X server, Tools, Games, Settings, Macros, Help), a toolbar with icons for Session, Servers, Tools, Games, Sessions, View, Split, MultiExec, Tunneling, Packages, Settings, Help, X server, and Exit, and a status bar at the bottom with keyboard shortcuts and a notice about the unregistered version of MobaXterm.

```
broker.xml
<address>MAI.TEST.ALEKSEEVA.IN</address>
<forwarding-address>MAI.TEST.ALEKSEEVA.RQ</forwarding-address>
</divert>
<divert name="MAI.TEST.ALEKSEEVA.RS-to-MAI.TEST.ALEKSEEVA.OUT">
  <address>MAI.TEST.ALEKSEEVA.RS</address>
  <forwarding-address>MAI.TEST.ALEKSEEVA.OUT</forwarding-address>
</divert>
<divert name="MAI.TEST.EVKARPIEV.RQ-to-MAI.TEST.EVKARPIEV.RS">
  <address>MAI.TEST.EVKARPIEV.RQ</address>
  <forwarding-address>MAI.TEST.EVKARPIEV.RS</forwarding-address>
  <filter string=""/>
  <exclusive>true</exclusive>
</divert>
<divert name="MAI.TEST.NOVIKOV.IN-to-MAI.TEST.NOVIKOV.RQ">
  <address>MAI.TEST.NOVIKOV.IN</address>
  <forwarding-address>MAI.TEST.NOVIKOV.RQ</forwarding-address>
</divert>
<divert name="MAI.TEST.NOVIKOV.RS-to-MAI.TEST.NOVIKOV.OUT">
  <address>MAI.TEST.NOVIKOV.RS</address>
  <forwarding-address>MAI.TEST.NOVIKOV.OUT</forwarding-address>
</divert>
<divert name="MAI.TEST.FURLETOVA.RQ-to-MAI.TEST.FURLETOVA.RS">
  <address>MAI.TEST.FURLETOVA.RQ</address>
  <forwarding-address>MAI.TEST.FURLETOVA.RS</forwarding-address>
  <filter string=""/>
  <exclusive>true</exclusive>
</divert>
<divert name="MAI.TEST.TERESHKOV.RQ-to-MAI.TEST.TERESHKOV.RS">
  <address>MAI.TEST.TERESHKOV.RQ</address>
  <forwarding-address>MAI.TEST.TERESHKOV.RS</forwarding-address>
  <filter string=""/>
  <exclusive>true</exclusive>
</divert>
<divert name="MAI.TEST.PESHKOV.IN-to-MAI.TEST.PESHKOV.OUT">
  <address>MAI.TEST.PESHKOV.IN</address>
  <forwarding-address>MAI.TEST.PESHKOV.OUT</forwarding-address>
  <filter string=""/>
</divert>
</diverts>
</core>
</configuration>
```

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Сборка проекта по примеру MAI_TEST_EXAMPLE.rar и отправка сообщения через приложение

[illegible]

Лог отправки сообщения через приложение и его чтение в веб-брокере

```
2025-04-14T14:17:00.048+03:00 INFO 20788 --- [nio-8081-exec-1] o.example.controller.MessageController : Received POST request with message: HEY TEST
2025-04-14T14:17:00.048+03:00 INFO 20788 --- [nio-8081-exec-1] org.example.artemis.MessageProducer : Attempting to send message to MAI.TEST.PESHKOV.IN queue: HEY TEST
2025-04-14T14:17:01.182+03:00 INFO 20788 --- [ntContainer#0-1] org.example.artemis.MessageConsumer : Received message from MAI.TEST.PESHKOV.OUT queue: HEY TEST
2025-04-14T14:17:01.182+03:00 INFO 20788 --- [ntContainer#0-1] org.example.artemis.MessageConsumer : Message processing completed
2025-04-14T14:17:01.213+03:00 INFO 20788 --- [nio-8081-exec-1] org.example.artemis.MessageProducer : Message successfully sent to MAI.TEST.PESHKOV.IN queue
```

The screenshot shows the Artemis Console web interface. The left sidebar contains navigation links: Artemis, Artemis JMX, JMX, and Runtime. The main content area displays the 'Queues' tab for the 'Broker: 0.0.0.0'. It shows a message being viewed on the 'MAI.TEST.PESHKOV.IN' queue. The message ID is 4295257442, and the body is 'HEY TEST' (8 chars). Below the body, a table lists the message headers.

key	value
address	MAI.TEST.PESHKOV.IN
durable	true
expiration	never
largeMessage	false
messageID	4295257442
persistentSize	256 Bytes
priority	4
protocol	CORE
redelivered	false
timestamp	2025-04-14 14:17:01
type	3 (text)

Не смотря на то, что сообщение отправляется на MAI.TEST.PESHKOV.IN, а затем перекладывается в MAI.TEST.PESHKOV.OUT, затем оно снова перенаправляется в MAI.TEST.PESHKOV.IN – причина такого поведения не выявлена.