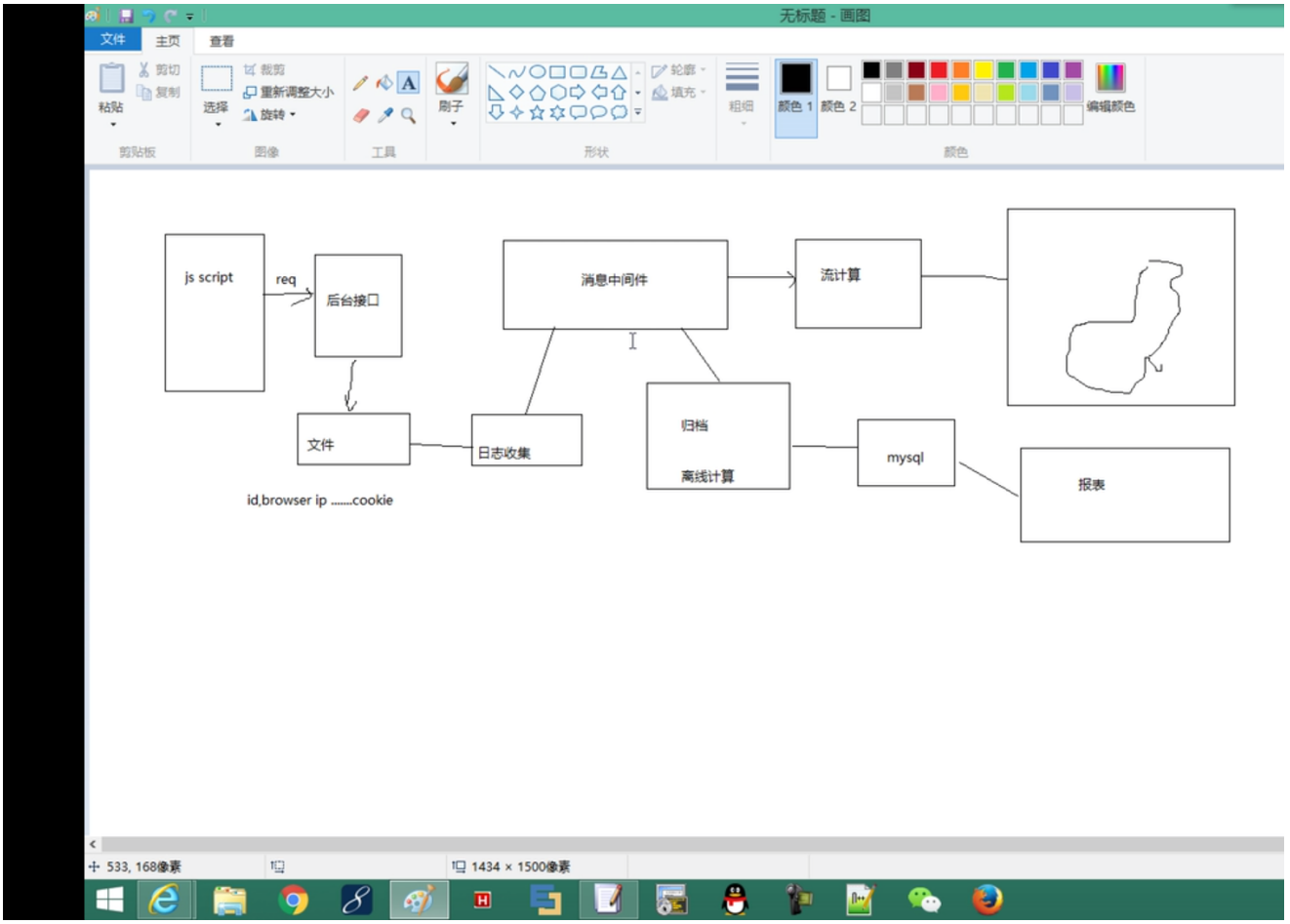
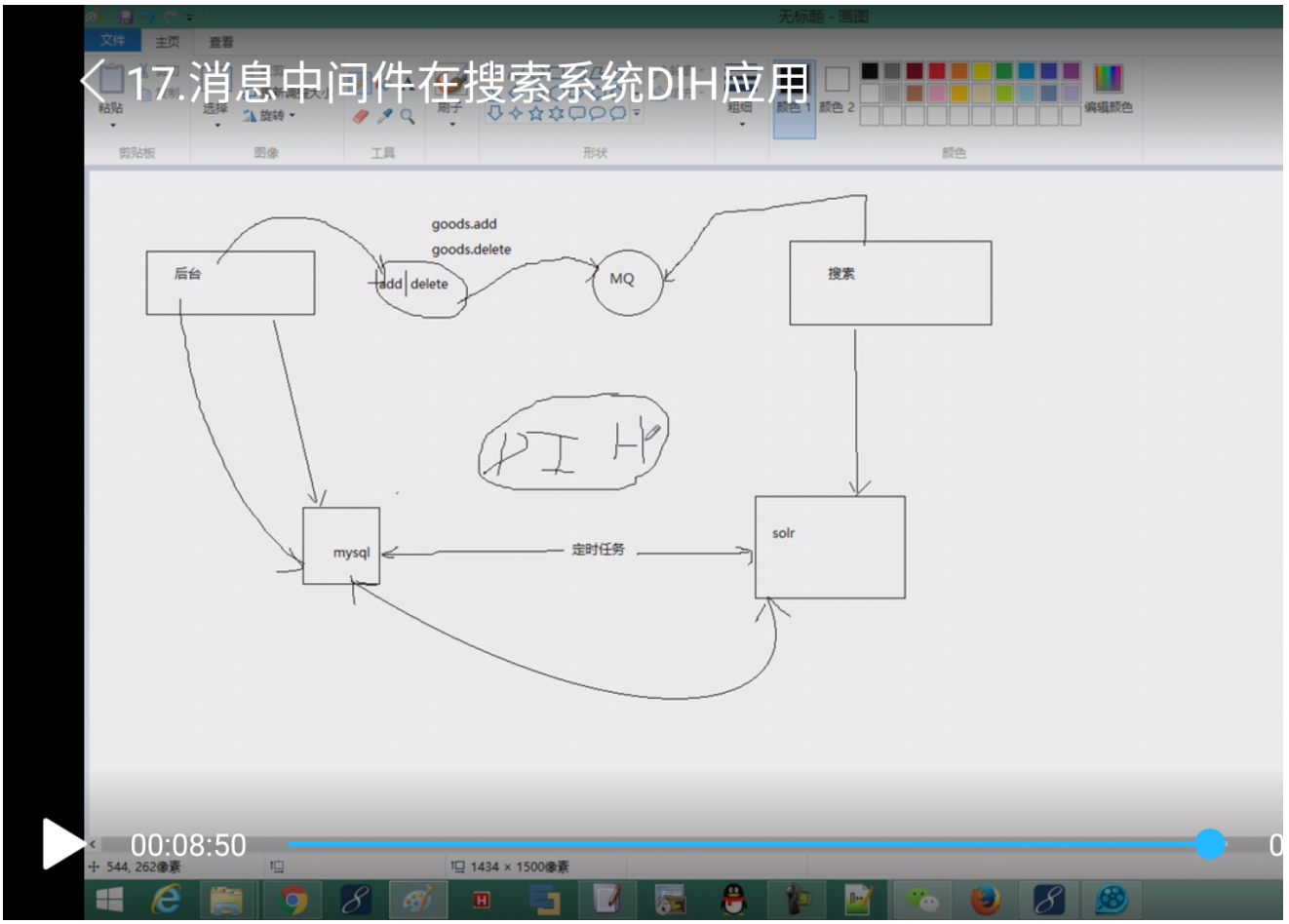
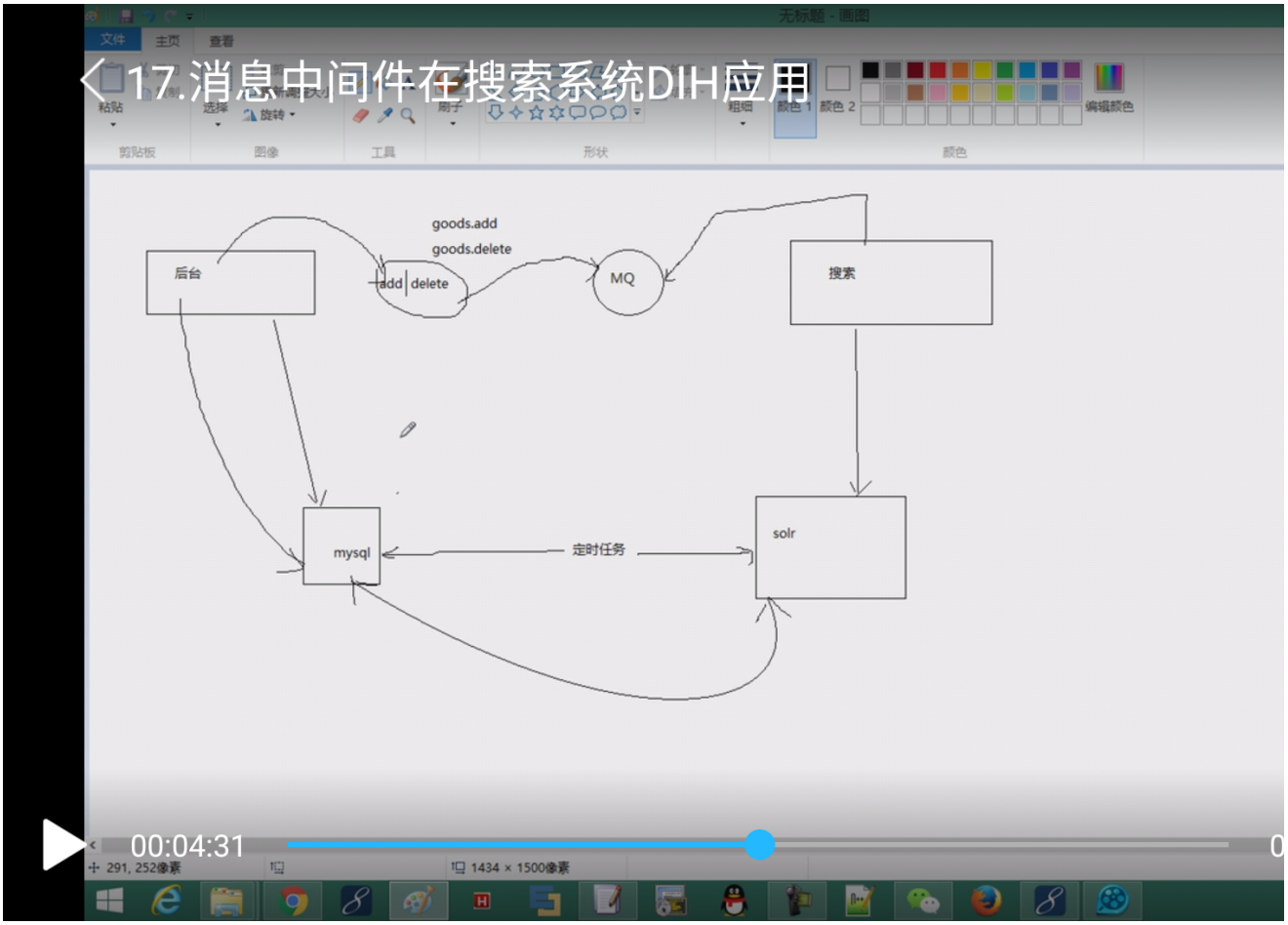
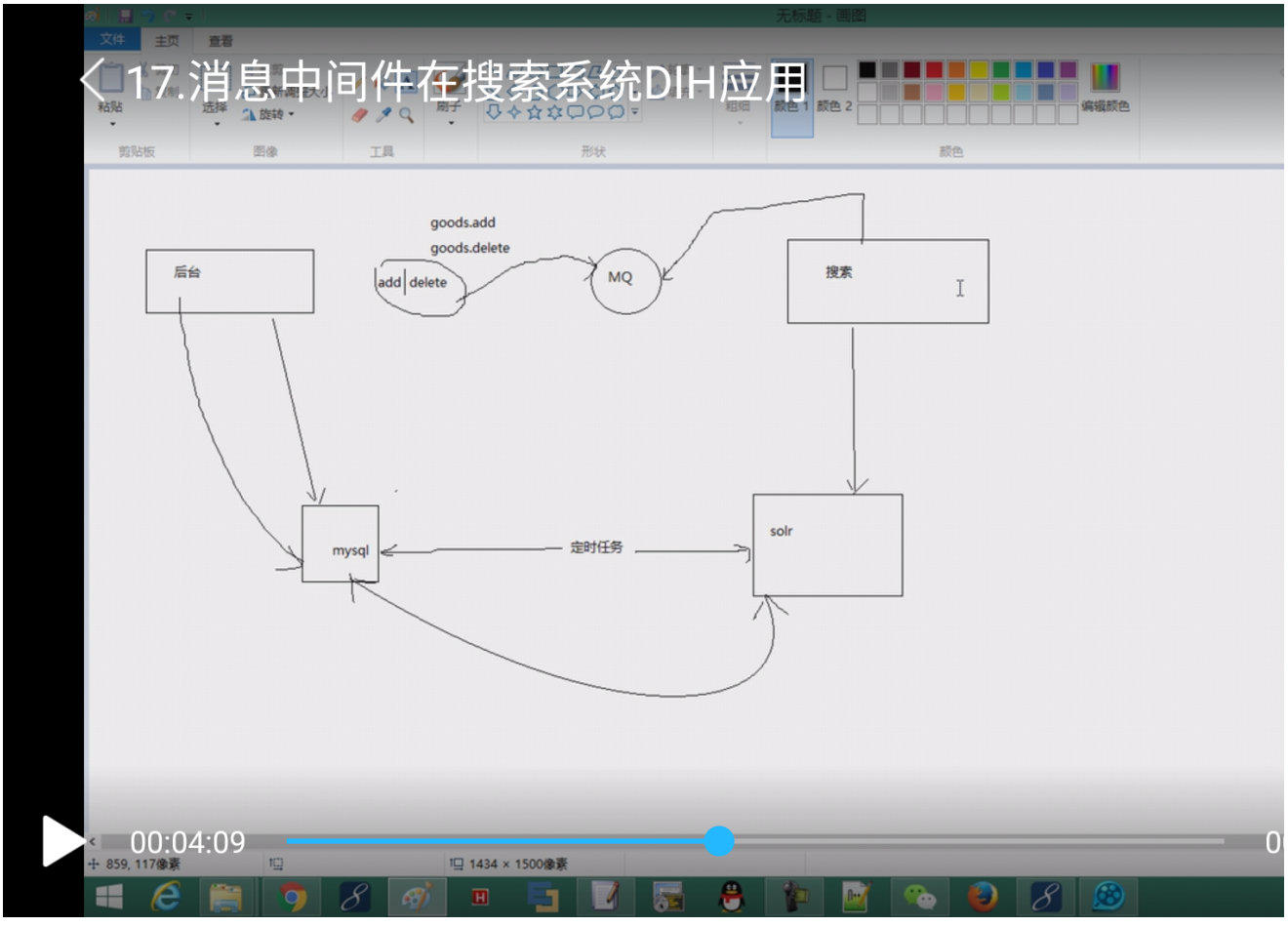
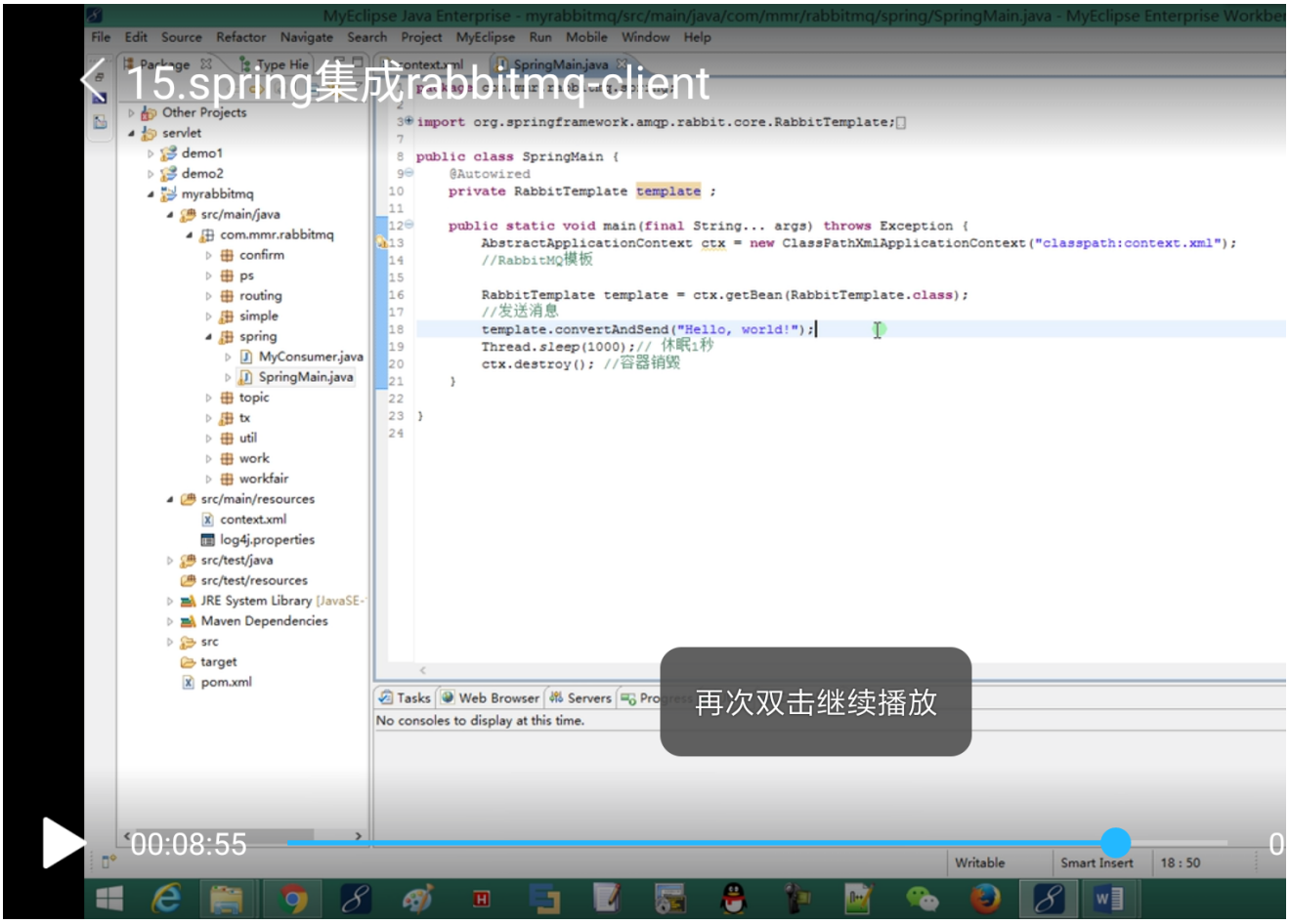
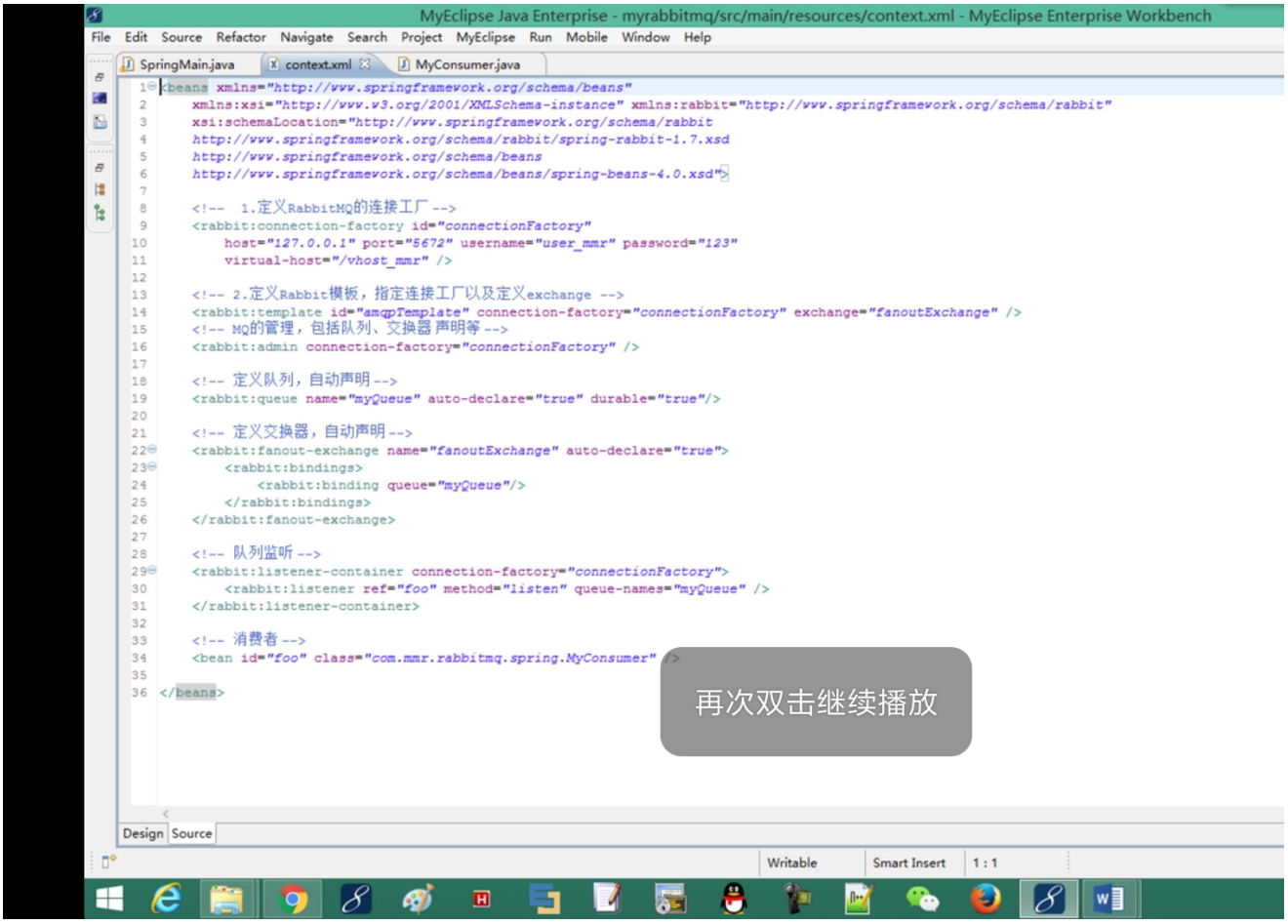

无标题 - 画图
文件
主页
查看
粘贴
剪切
复制
选择
裁剪
重新调整大小
旋转
刷子
轮廓
填充
粗细
颜色 1
颜色 2
编辑颜色
剪贴板
图像
工具
形状
颜色
js script
req
后台接口
文件
日志收集
消息中间件
流计算
归档
离线计算
mysql
报表
id,browser ip .....cookie
533, 168像素
1434 × 1500像素

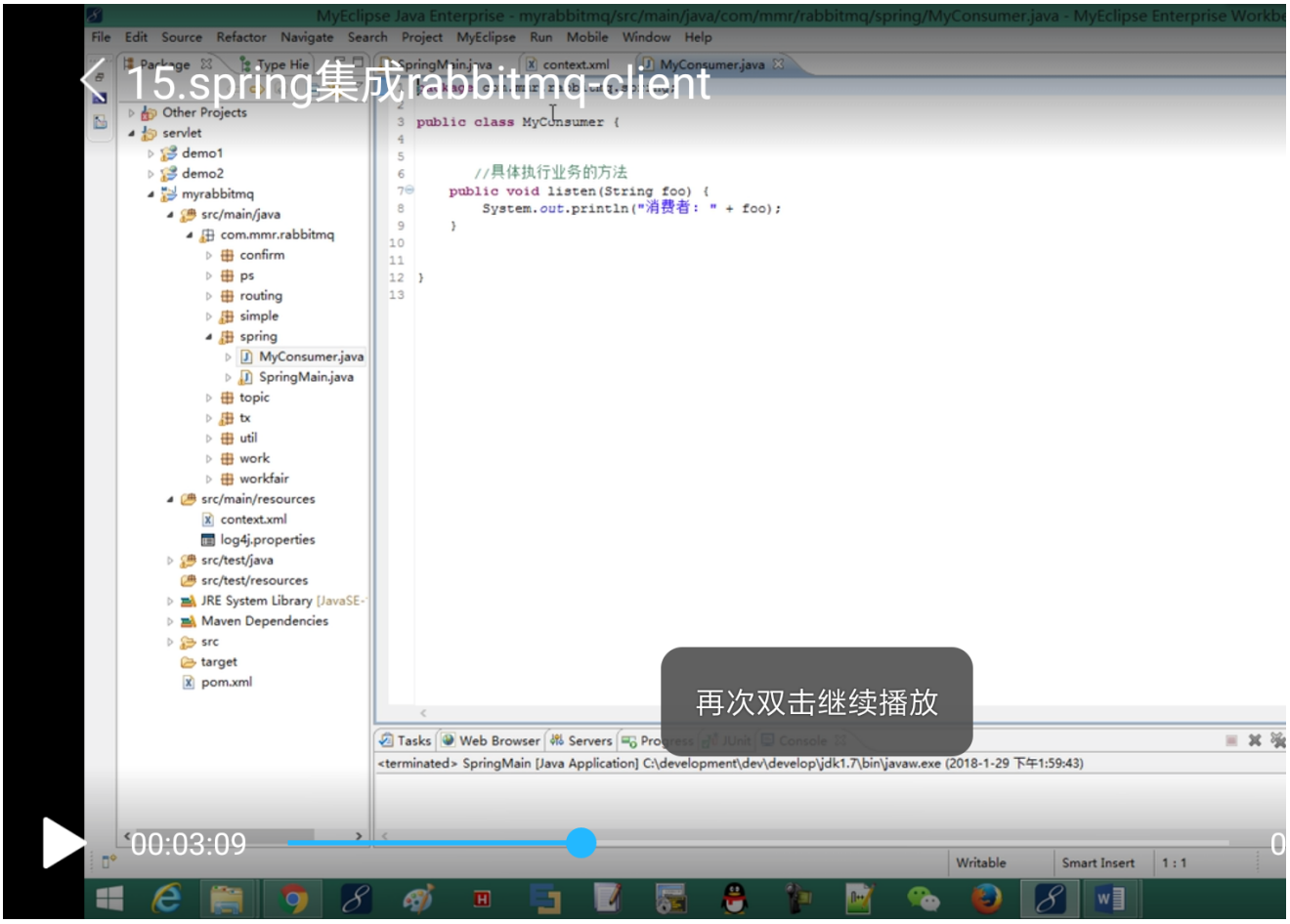

无标题 - 画图
文件
主页
查看
粘贴
选择
旋转
刷子
粗细
颜色 1
颜色 2
编辑颜色
剪贴板
图像
工具
形状
颜色
17.消息中间件在搜索系统DIH应用
goods.add
goods.delete
后台
add
delete
MQ
搜索
DIH
mysql
定时任务
solr
00:08:50
544, 262像素
1434 × 1500像素

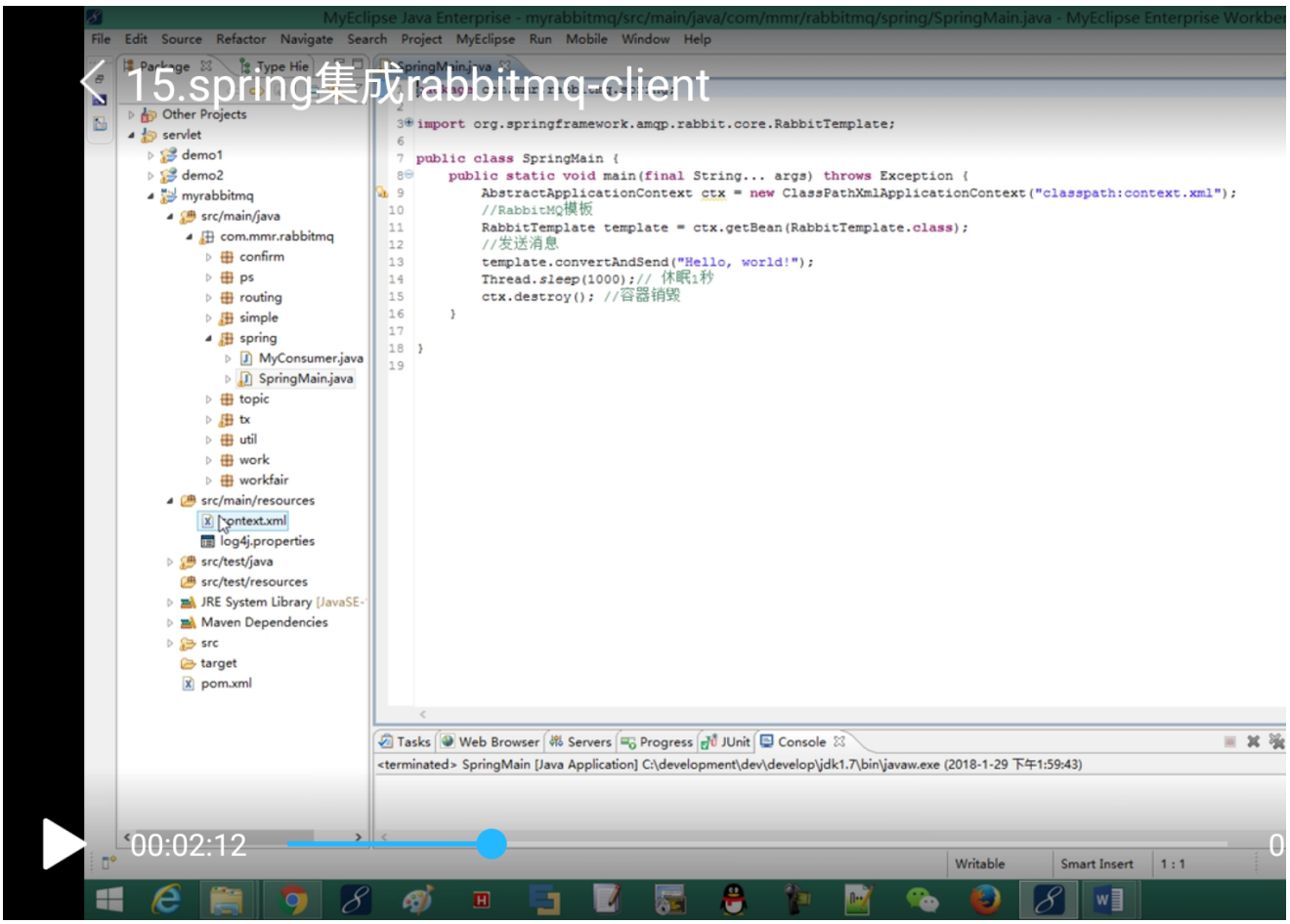

17.消息中间件在搜索系统DIH应用
goods.add
goods.delete
后台
add
delete
MQ
搜索
mysql
定时任务
solr
00:04:31

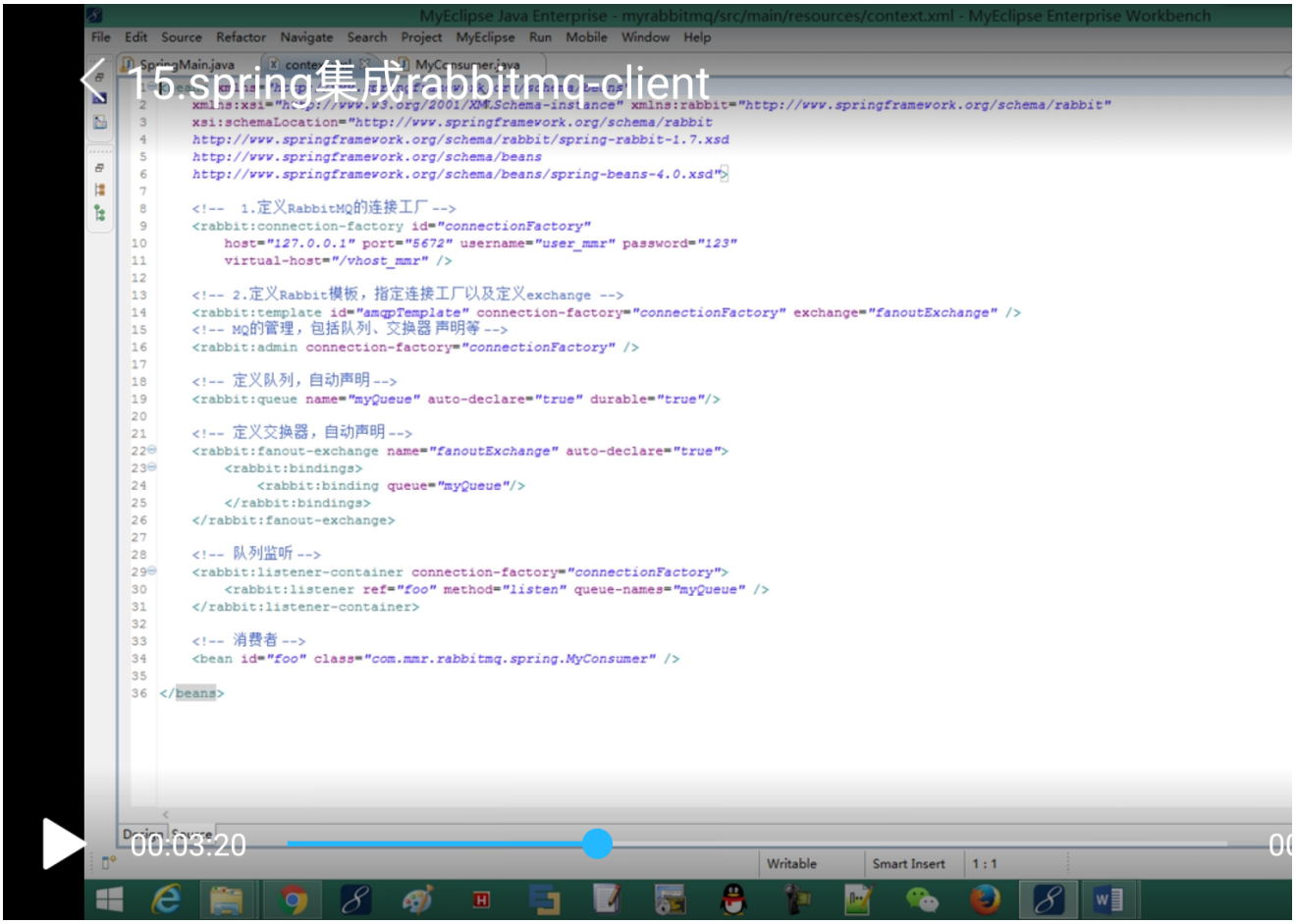

17.消息中间件在搜索系统DIH应用
goods.add
goods.delete
后台
add
delete
MQ
搜索
mysql
定时任务
solr
00:04:09

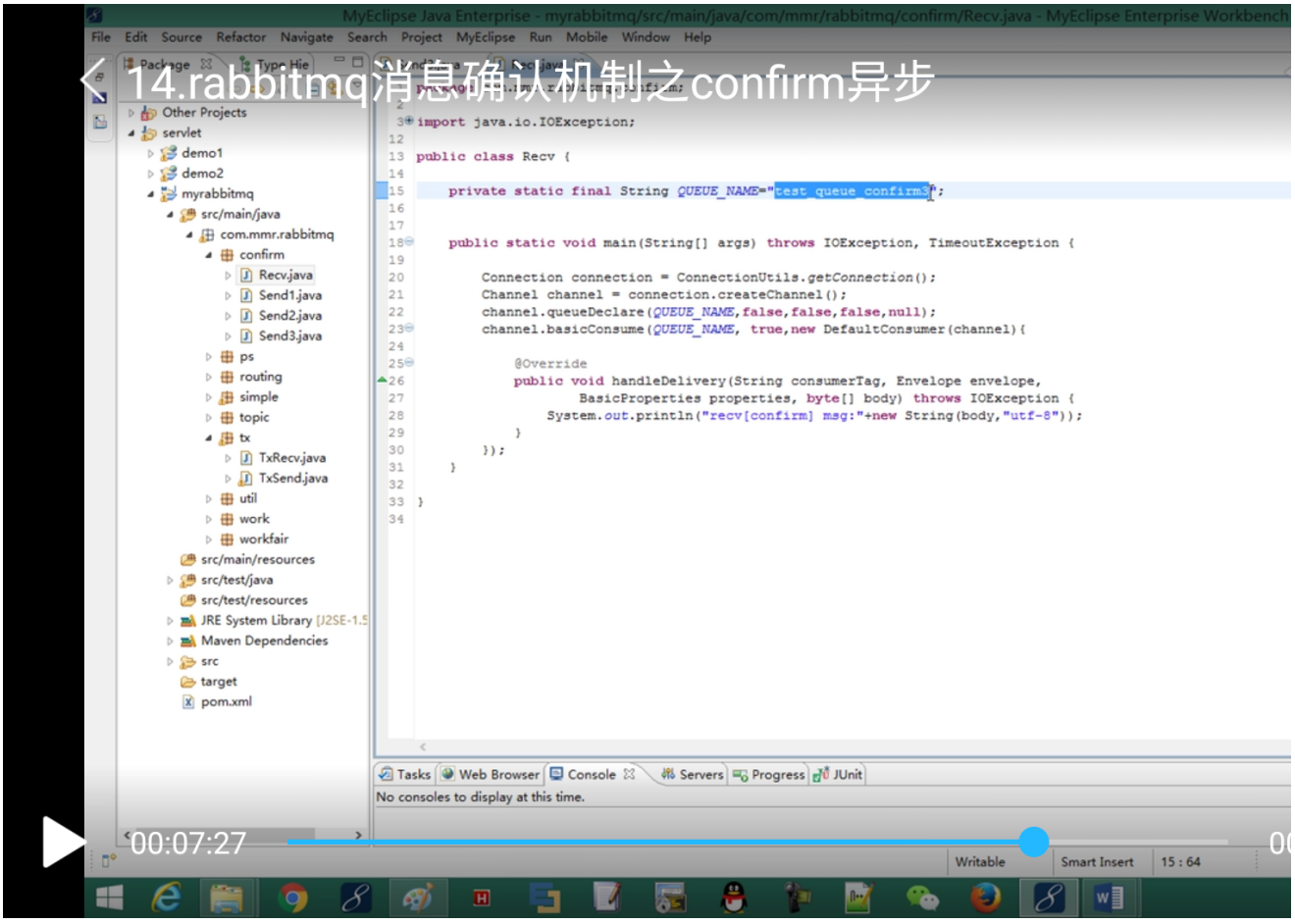

15.spring集成rabbitmq-client
MyEclipse Java Enterprise - myrabbitmq/src/main/java/com/mmr/rabbitmq/spring/SpringMain.java - MyEclipse Enterprise Workbench
File Edit Source Refactor Navigate Search Project MyEclipse Run Mobile Window Help
Other Projects
servlet
demo1
demo2
myrabbitmq
src/main/java
com.mmr.rabbitmq
confirm
ps
routing
simple
spring
MyConsumer.java
SpringMain.java
topic
tx
util
work
workfair
src/main/resources
context.xml
log4j.properties
src/test/java
src/test/resources
JRE System Library [JavaSE-
Maven Dependencies
src
target
pom.xml
import org.springframework.amqp.rabbit.core.RabbitTemplate;
public class SpringMain {
@Autowired
private RabbitTemplate template ;
public static void main(final String... args) throws Exception {
AbstractApplicationContext ctx = new ClassPathXmlApplicationContext("classpath:context.xml");
//RabbitMQ模板
RabbitTemplate template = ctx.getBean(RabbitTemplate.class);
//发送消息
template.convertAndSend("Hello, world!");
Thread.sleep(1000);// 休眠1秒
ctx.destroy(); //容器销毁
}
}
Tasks Web Browser Servers
No consoles to display at this time.
再次双击继续播放
00:08:55
Writable Smart Insert 18 : 50

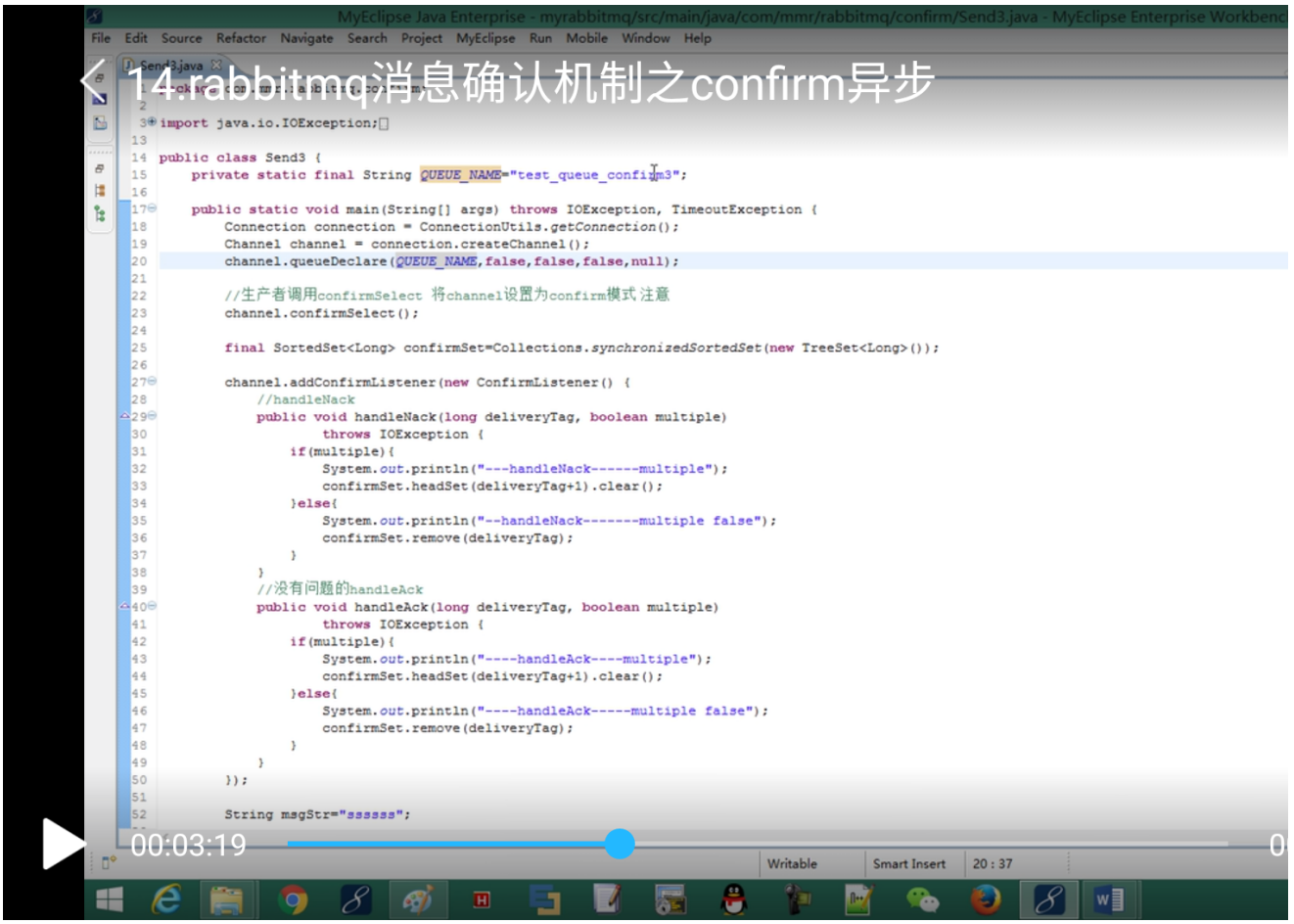

MyEclipse Java Enterprise - myrabbitmq/src/main/resources/context.xml - MyEclipse Enterprise Workbench
File Edit Source Refactor Navigate Search Project MyEclipse Run Mobile Window Help
SpringMain.java
context.xml
MyConsumer.java
<beans xmlns="http://www.springframework.org/schema/beans"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:rabbit="http://www.springframework.org/schema/rabbit"
xsi:schemaLocation="http://www.springframework.org/schema/rabbit
http://www.springframework.org/schema/rabbit/spring-rabbit-1.7.xsd
http://www.springframework.org/schema/beans
http://www.springframework.org/schema/beans/spring-beans-4.0.xsd">
<!-- 1.定义RabbitMQ的连接工厂 -->
<rabbit:connection-factory id="connectionFactory"
host="127.0.0.1" port="5672" username="user_mmr" password="123"
virtual-host="/vhost_mmr" />
<!-- 2.定义Rabbit模板，指定连接工厂以及定义exchange -->
<rabbit:template id="amqpTemplate" connection-factory="connectionFactory" exchange="fanoutExchange" />
<!-- MQ的管理，包括队列、交换器声明等 -->
<rabbit:admin connection-factory="connectionFactory" />
<!-- 定义队列，自动声明 -->
<rabbit:queue name="myQueue" auto-declare="true" durable="true"/>
<!-- 定义交换器，自动声明 -->
<rabbit:fanout-exchange name="fanoutExchange" auto-declare="true">
<rabbit:bindings>
<rabbit:binding queue="myQueue"/>
</rabbit:bindings>
</rabbit:fanout-exchange>
<!-- 队列监听 -->
<rabbit:listener-container connection-factory="connectionFactory">
<rabbit:listener ref="foo" method="listen" queue-names="myQueue" />
</rabbit:listener-container>
<!-- 消费者 -->
<bean id="foo" class="com.mmr.rabbitmq.spring.MyConsumer" />
</beans>
再次双击继续播放
Design Source
Writable Smart Insert 1 : 1


15.spring集成rabbitmq-client
MyEclipse Java Enterprise - myrabbitmq/src/main/java/com/mmr/rabbitmq/spring/MyConsumer.java - MyEclipse Enterprise Workbe
File Edit Source Refactor Navigate Search Project MyEclipse Run Mobile Window Help
Other Projects
servlet
demo1
demo2
myrabbitmq
src/main/java
com.mmr.rabbitmq
confirm
ps
routing
simple
spring
MyConsumer.java
SpringMain.java
topic
tx
util
work
workfair
src/main/resources
context.xml
log4j.properties
src/test/java
src/test/resources
JRE System Library [JavaSE-
Maven Dependencies
src
target
pom.xml
context.xml
MyConsumer.java
public class MyConsumer {
//具体执行业务的方法
public void listen(String foo) {
System.out.println("消费者: " + foo);
}
}
再次双击继续播放
Tasks Web Browser Servers Progress JUnit Console
<terminated> SpringMain [Java Application] C:\development\dev\develop\jdk1.7\bin\javaw.exe (2018-1-29 下午1:59:43)
00:03:09
Writable Smart Insert 1 : 1

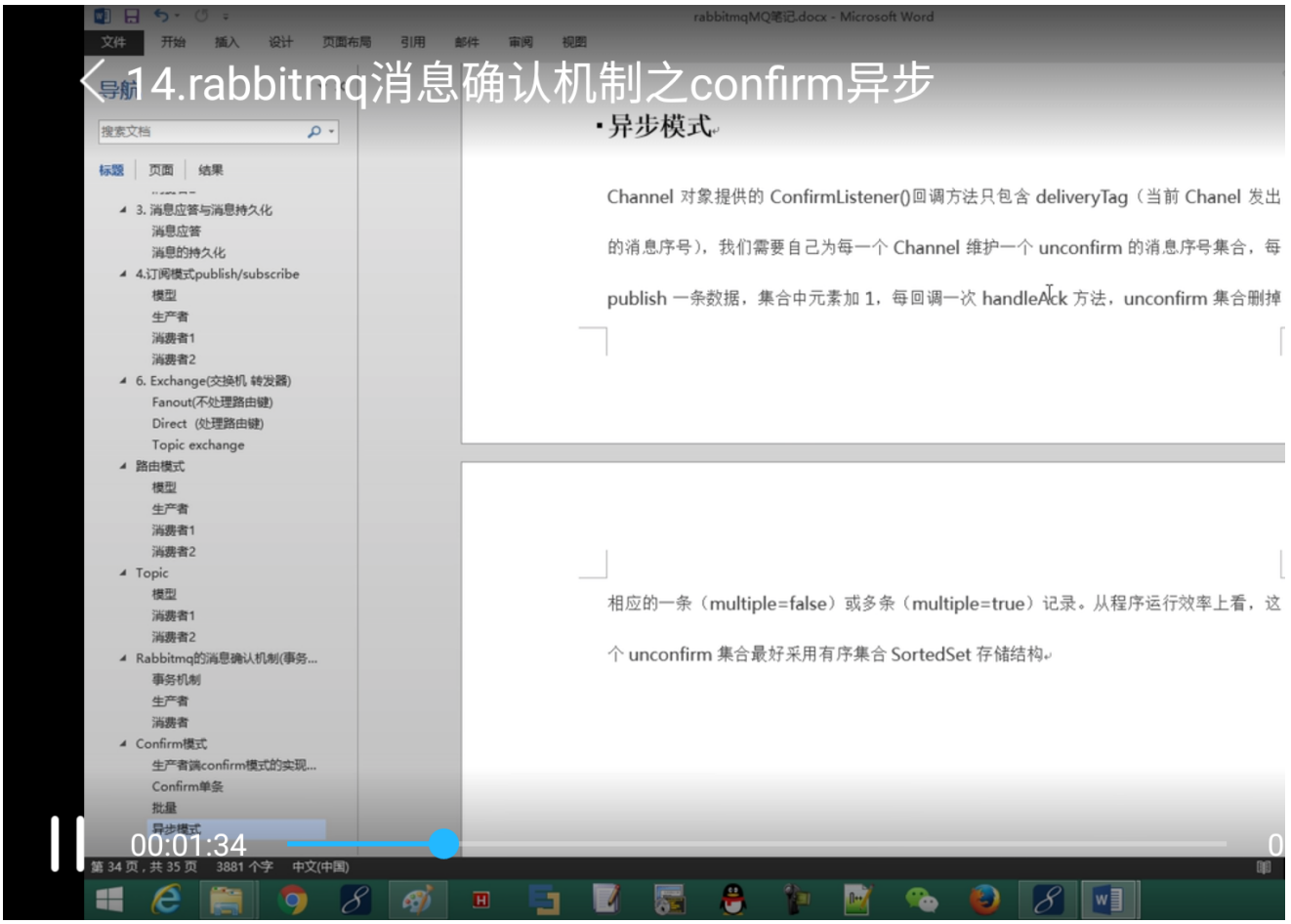

15.spring集成rabbitmq-client
MyEclipse Java Enterprise - myrabbitmq/src/main/java/com/mmr/rabbitmq/spring/SpringMain.java - MyEclipse Enterprise Workbe
File Edit Source Refactor Navigate Search Project MyEclipse Run Mobile Window Help
Other Projects
servlet
demo1
demo2
myrabbitmq
src/main/java
com.mmr.rabbitmq
confirm
ps
routing
simple
spring
MyConsumer.java
SpringMain.java
topic
tx
util
work
workfair
src/main/resources
context.xml
log4j.properties
src/test/java
src/test/resources
JRE System Library [JavaSE-
Maven Dependencies
src
target
pom.xml
import org.springframework.amqp.rabbit.core.RabbitTemplate;
public class SpringMain {
public static void main(final String... args) throws Exception {
AbstractApplicationContext ctx = new ClassPathXmlApplicationContext("classpath:context.xml");
//RabbitMQ模板
RabbitTemplate template = ctx.getBean(RabbitTemplate.class);
//发送消息
template.convertAndSend("Hello, world!");
Thread.sleep(1000);// 休眠1秒
ctx.destroy(); //容器销毁
}
}
Tasks Web Browser Servers Progress JUnit Console
<terminated> SpringMain [Java Application] C:\development\dev\develop\jdk1.7\bin\javaw.exe (2018-1-29 下午1:59:43)
00:02:12
Writable Smart Insert 1 : 1

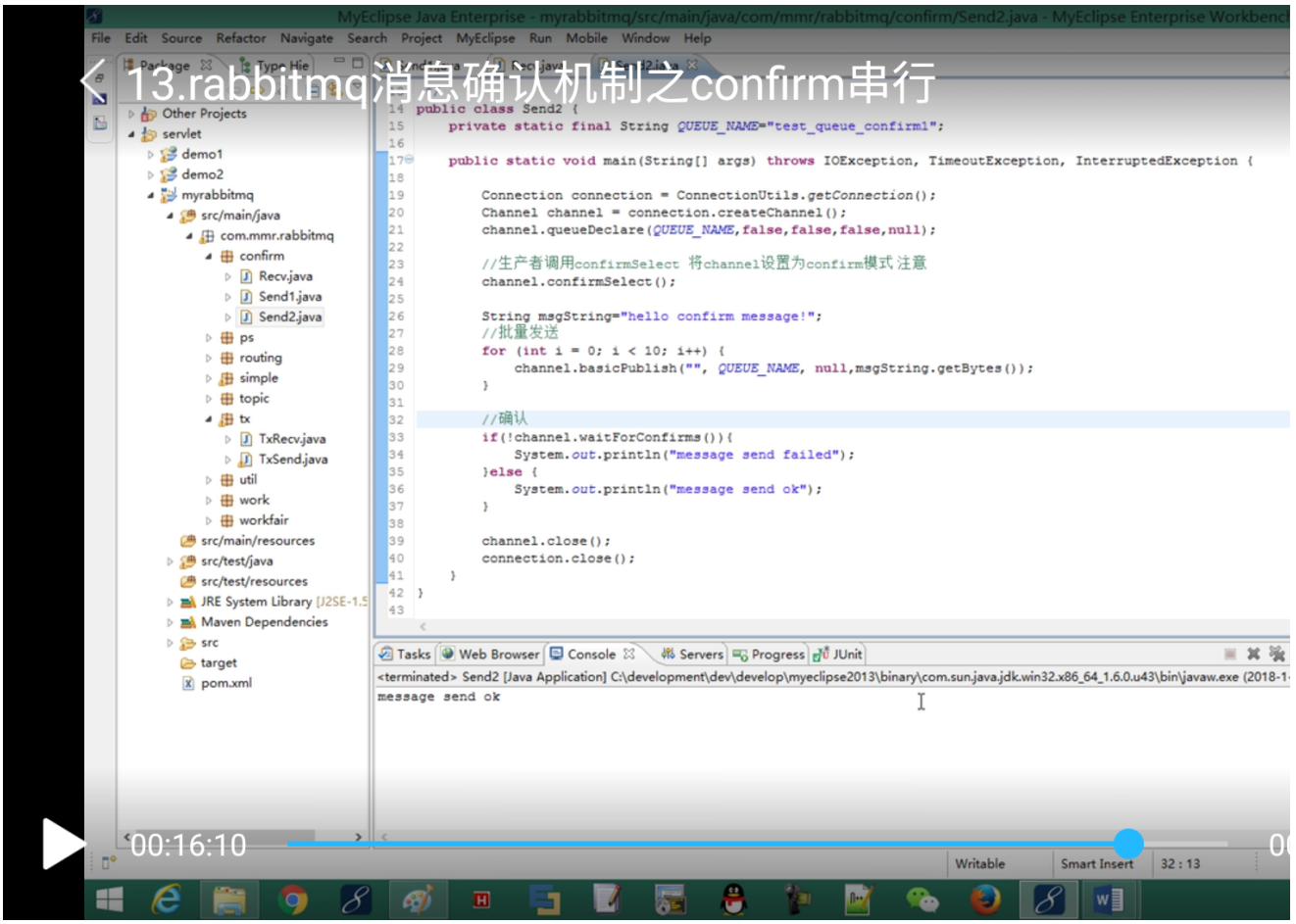

15 spring集成rabbitmq-client
00:03:20

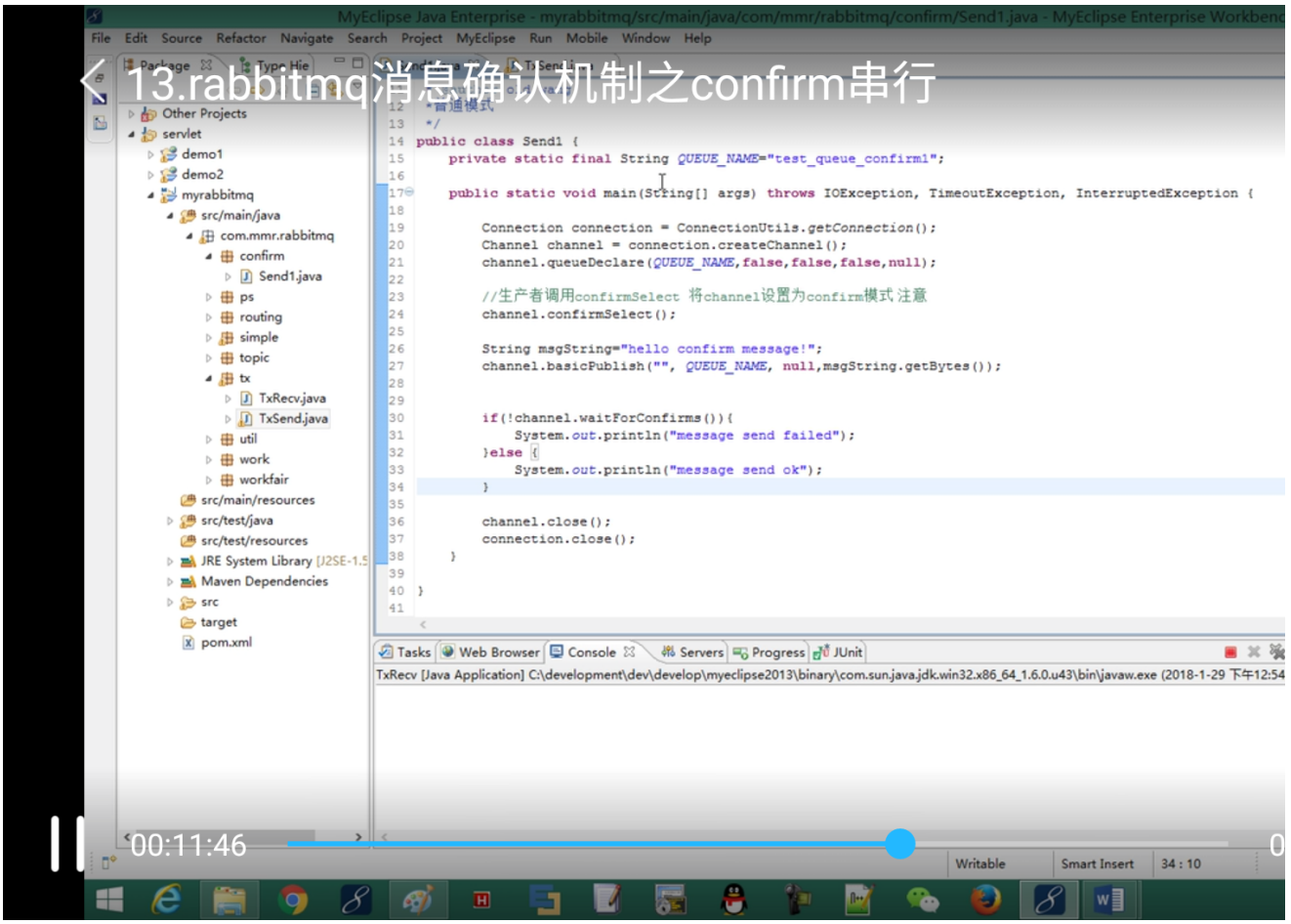

14.rabbitmq消息确认机制之confirm异步
00:07:27

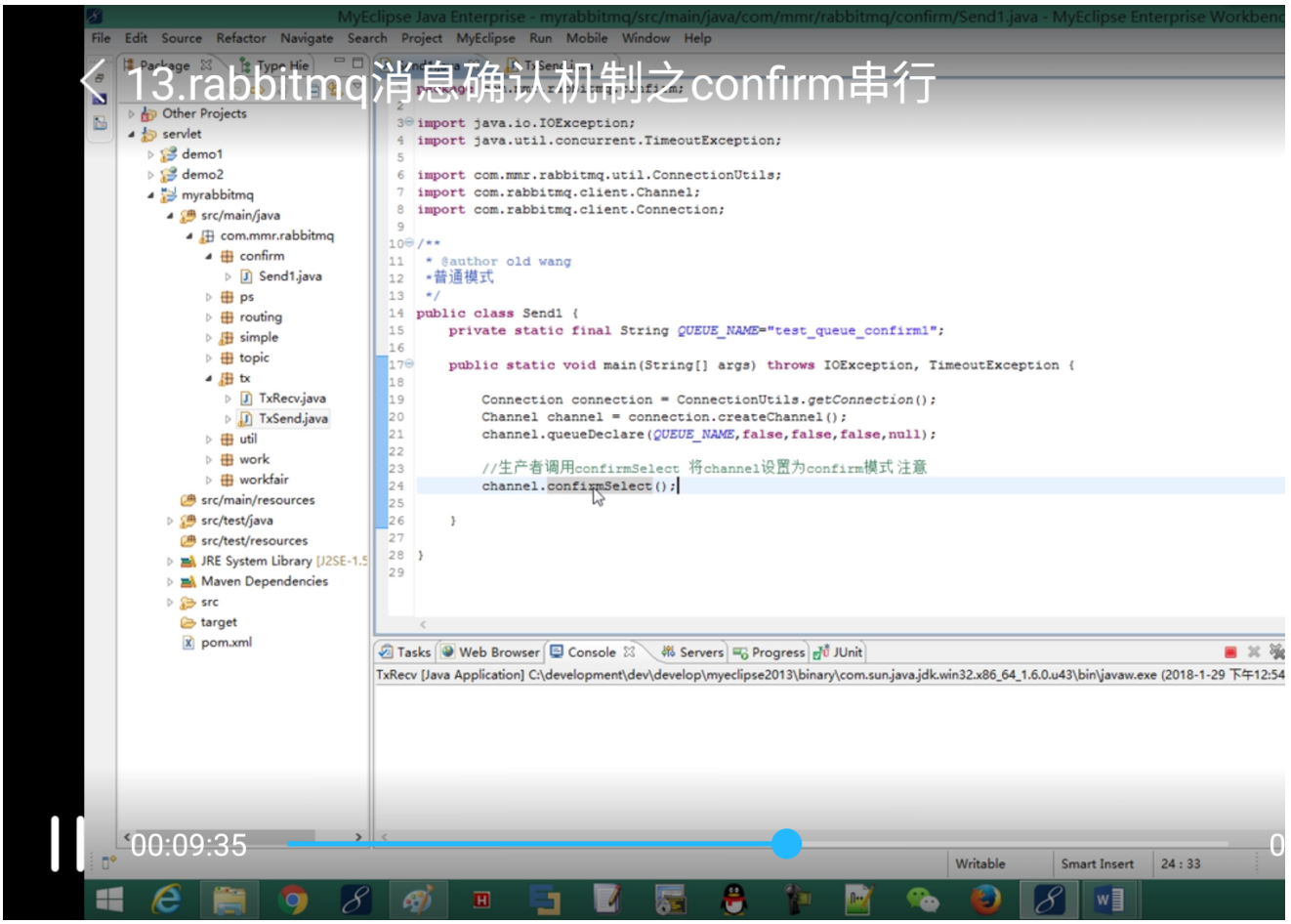


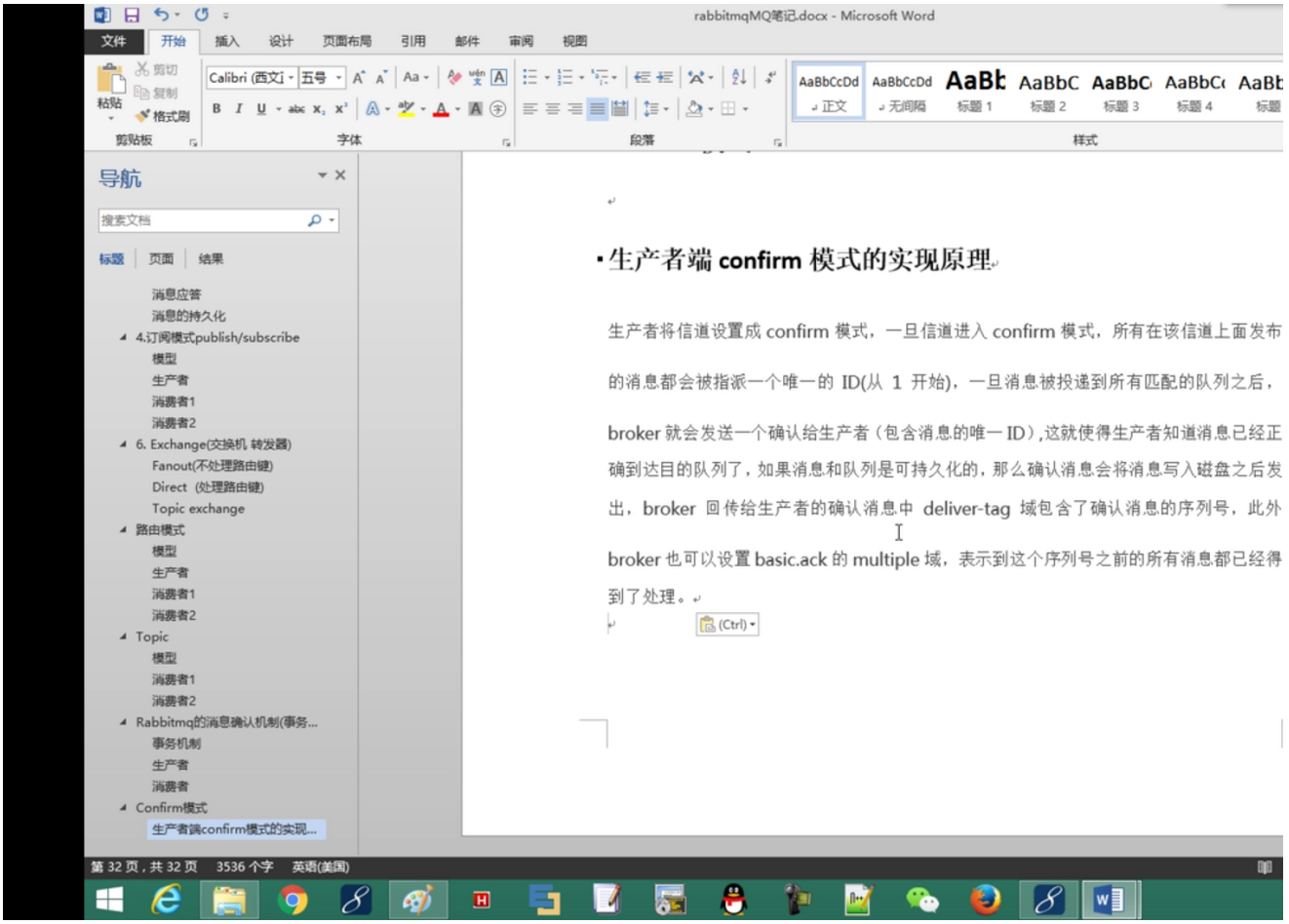

```java
import java.io.IOException;

public class Send3 {
    private static final String QUEUE_NAME="test_queue_confirm3";

    public static void main(String[] args) throws IOException, TimeoutException {
        Connection connection = ConnectionUtils.getConnection();
        Channel channel = connection.createChannel();
        channel.queueDeclare(QUEUE_NAME,false,false,false,null);

        //生产者调用confirmSelect 将channel设置为confirm模式 注意
        channel.confirmSelect();

        final SortedSet<Long> confirmSet=Collections.synchronizedSortedSet(new TreeSet<Long>());

        channel.addConfirmListener(new ConfirmListener() {
            //handleNack
            public void handleNack(long deliveryTag, boolean multiple)
                    throws IOException {
                if(multiple){
                    System.out.println("---handleNack------multiple");
                    confirmSet.headSet(deliveryTag+1).clear();
                }else{
                    System.out.println("--handleNack-------multiple false");
                    confirmSet.remove(deliveryTag);
                }
            }
            //没有问题的handleAck
            public void handleAck(long deliveryTag, boolean multiple)
                    throws IOException {
                if(multiple){
                    System.out.println("----handleAck----multiple");
                    confirmSet.headSet(deliveryTag+1).clear();
                }else{
                    System.out.println("----handleAck-----multiple false");
                    confirmSet.remove(deliveryTag);
                }
            }
        });

        String msgStr="ssssss";
```

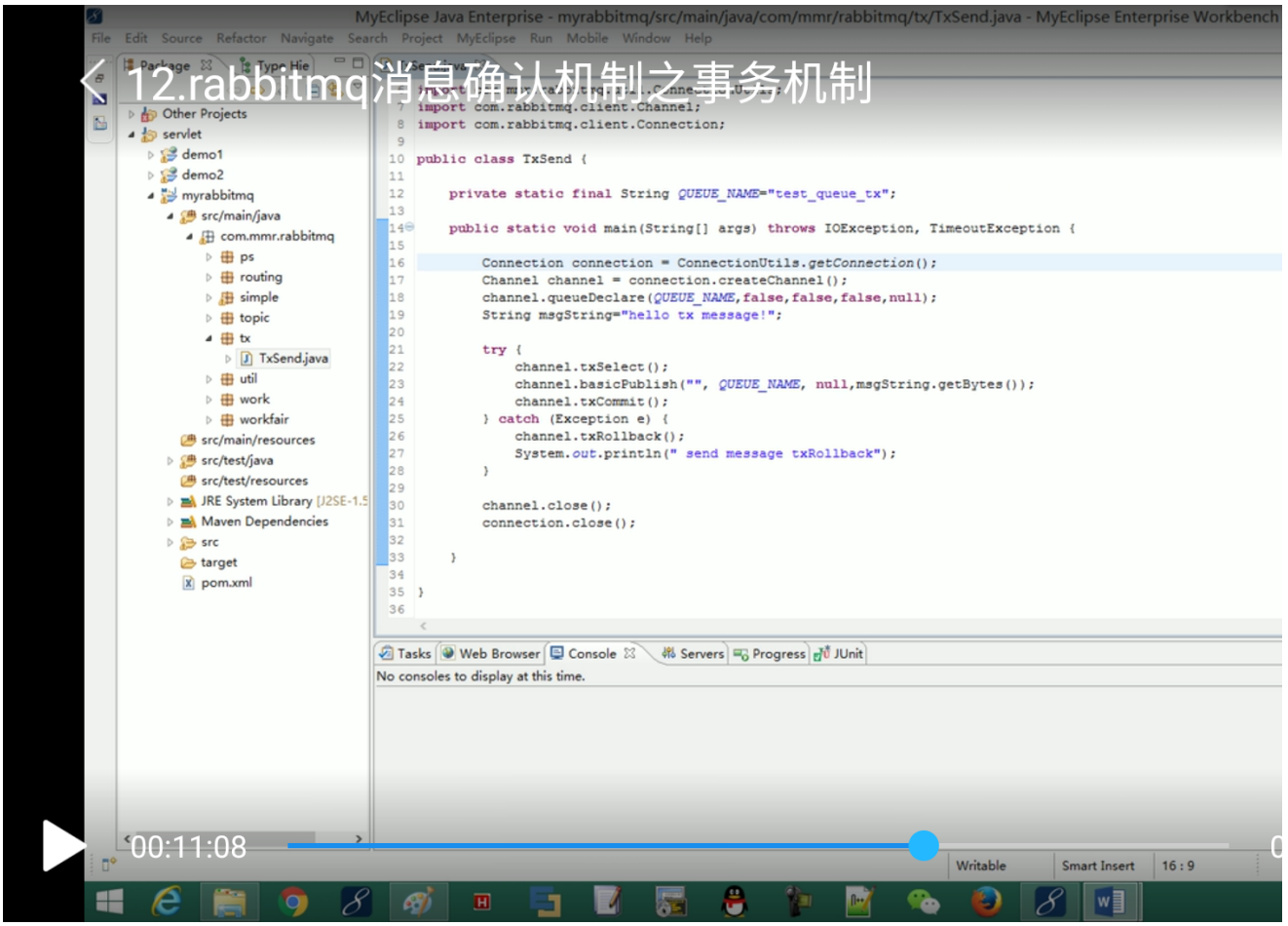


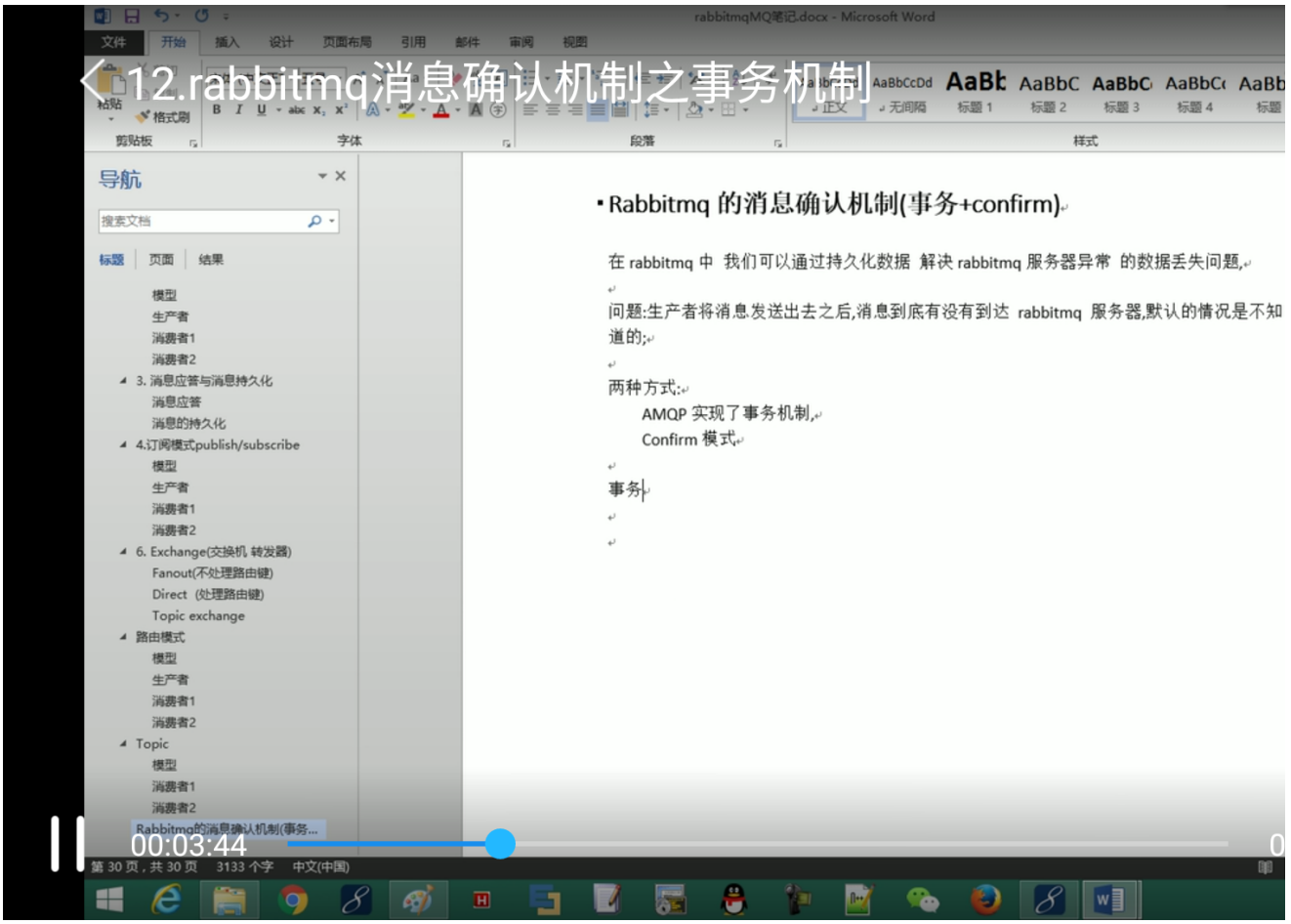

13.rabbitmq消息确认机制之confirm串行
00:16:10
message send ok

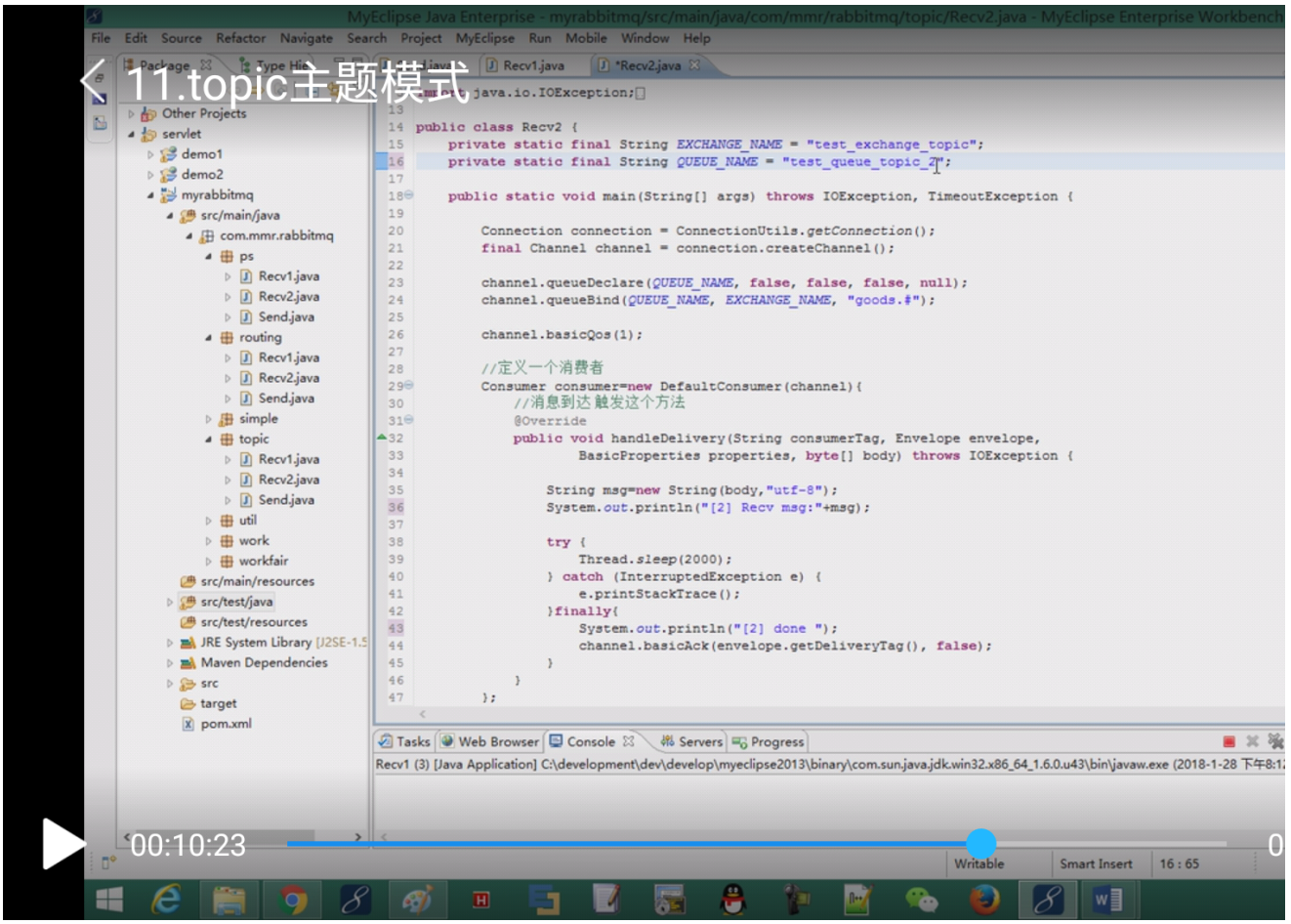

13.rabbitmq消息确认机制之confirm串行
00:11:46
TxRecv [Java Application] C:\development\dev\develop\myeclipse2013\binary\com.sun.java.jdk.win32.x86_64_1.6.0.u43\bin\javaw.exe (2018-1-29 下午12:54

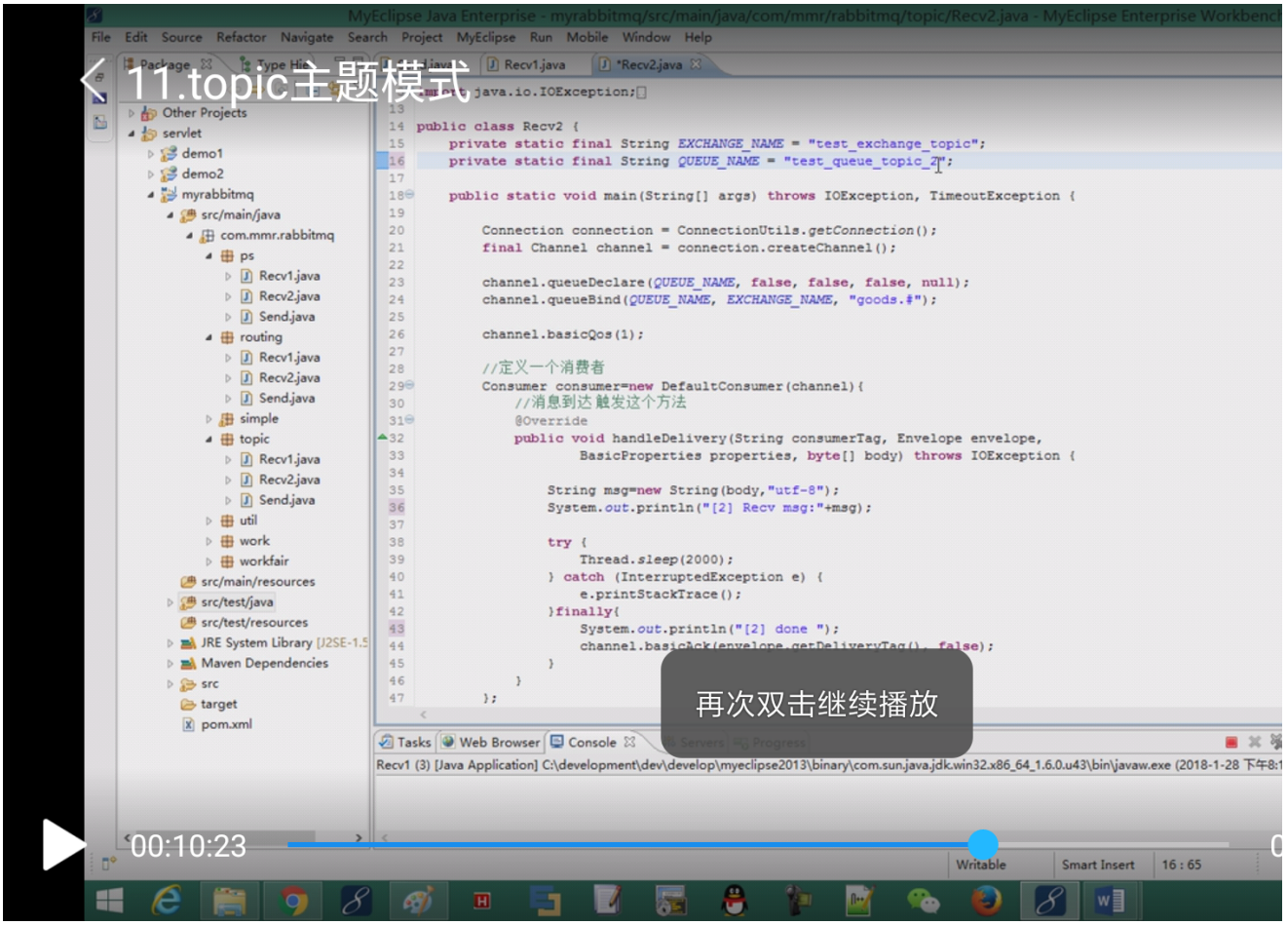

13.rabbitmq消息确认机制之confirm串行
00:09:35
MyEclipse Java Enterprise - myrabbitmq/src/main/java/com/mmr/rabbitmq/confirm/Send1.java - MyEclipse Enterprise Workbench
File Edit Source Refactor Navigate Search Project MyEclipse Run Mobile Window Help
Other Projects
servlet
demo1
demo2
myrabbitmq
src/main/java
com.mmr.rabbitmq
confirm
Send1.java
ps
routing
simple
topic
tx
TxRecv.java
TxSend.java
util
work
workfair
src/main/resources
src/test/java
src/test/resources
JRE System Library [J2SE-1.5
Maven Dependencies
src
target
pom.xml
import java.io.IOException;
import java.util.concurrent.TimeoutException;
import com.mmr.rabbitmq.util.ConnectionUtils;
import com.rabbitmq.client.Channel;
import com.rabbitmq.client.Connection;
/**
* @author old wang
*普通模式
*/
public class Send1 {
private static final String QUEUE_NAME="test_queue_confirm1";
public static void main(String[] args) throws IOException, TimeoutException {
Connection connection = ConnectionUtils.getConnection();
Channel channel = connection.createChannel();
channel.queueDeclare(QUEUE_NAME,false,false,false,null);
//生产者调用confirmSelect 将channel设置为confirm模式 注意
channel.confirmSelect();
}
}
Tasks Web Browser Console Servers Progress JUnit
TxRecv [Java Application] C:\development\dev\develop\myeclipse2013\binary\com.sun.java.jdk.win32.x86_64_1.6.0.u43\bin\javaw.exe (2018-1-29 下午12:54
Writable Smart Insert 24 : 33

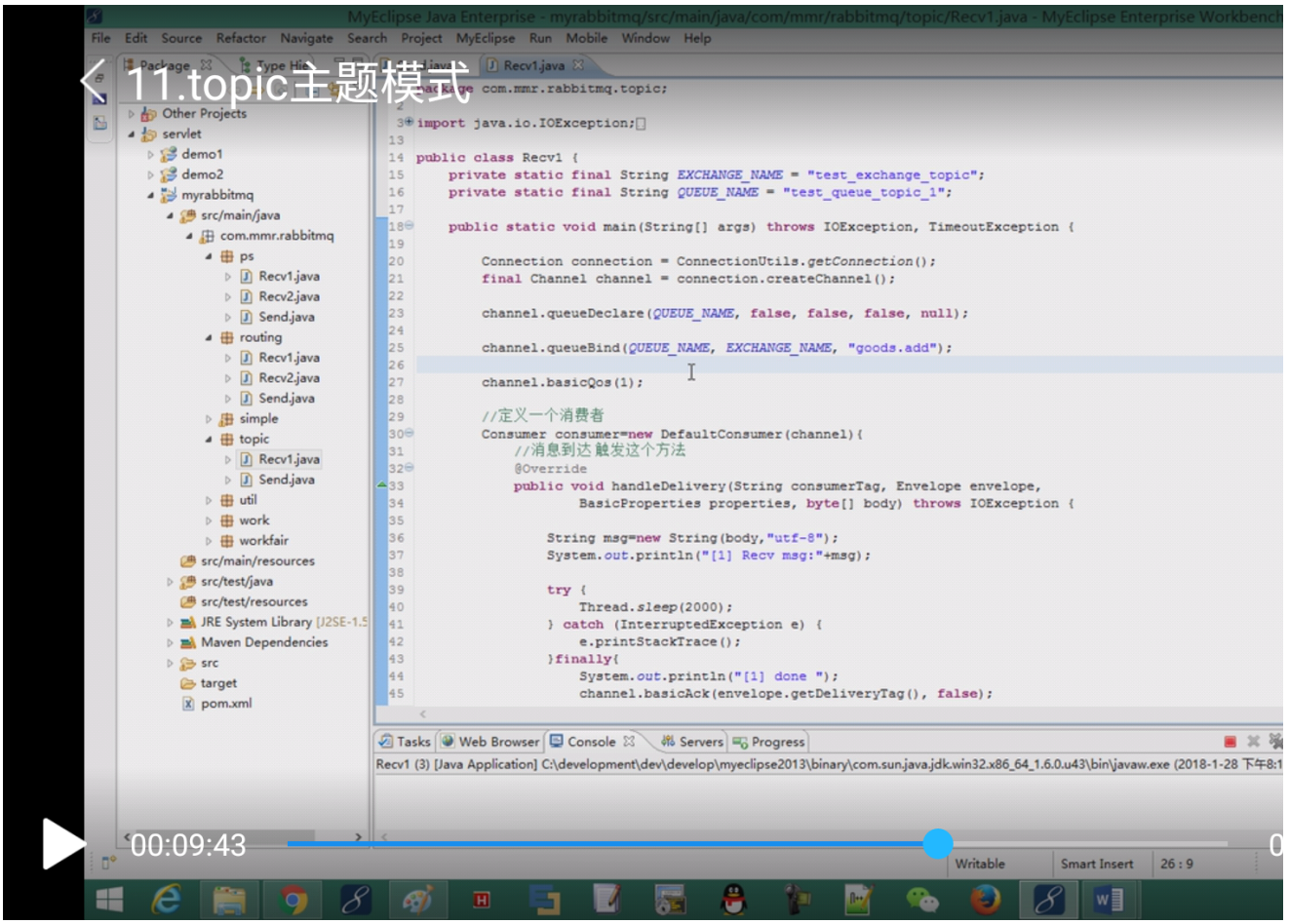

rabbitmqMQ笔记.docx - Microsoft Word
文件 开始 插入 设计 页面布局 引用 邮件 审阅 视图
导航
搜索文档
标题 页面 结果
消息应答
消息的持久化
4.订阅模式publish/subscribe
模型
生产者
消费者1
消费者2
6. Exchange(交换机 转发器)
Fanout(不处理路由键)
Direct (处理路由键)
Topic exchange
路由模式
模型
生产者
消费者1
消费者2
Topic
模型
消费者1
消费者2
Rabbitmq的消息确认机制(事务...
事务机制
生产者
消费者
Confirm模式
生产者端confirm模式的实现...
·生产者端 confirm 模式的实现原理
生产者将信道设置成 confirm 模式，一旦信道进入 confirm 模式，所有在该信道上面发布的消息都会被指派一个唯一的 ID(从 1 开始)，一旦消息被投递到所有匹配的队列之后，broker 就会发送一个确认给生产者（包含消息的唯一 ID），这就使得生产者知道消息已经正确到达目的队列了，如果消息和队列是可持久化的，那么确认消息会将消息写入磁盘之后发出，broker 回传给生产者的确认消息中 deliver-tag 域包含了确认消息的序列号，此外 broker 也可以设置 basic.ack 的 multiple 域，表示到这个序列号之前的所有消息都已经得到了处理。
第 32 页，共 32 页 3536 个字 英语(美国)

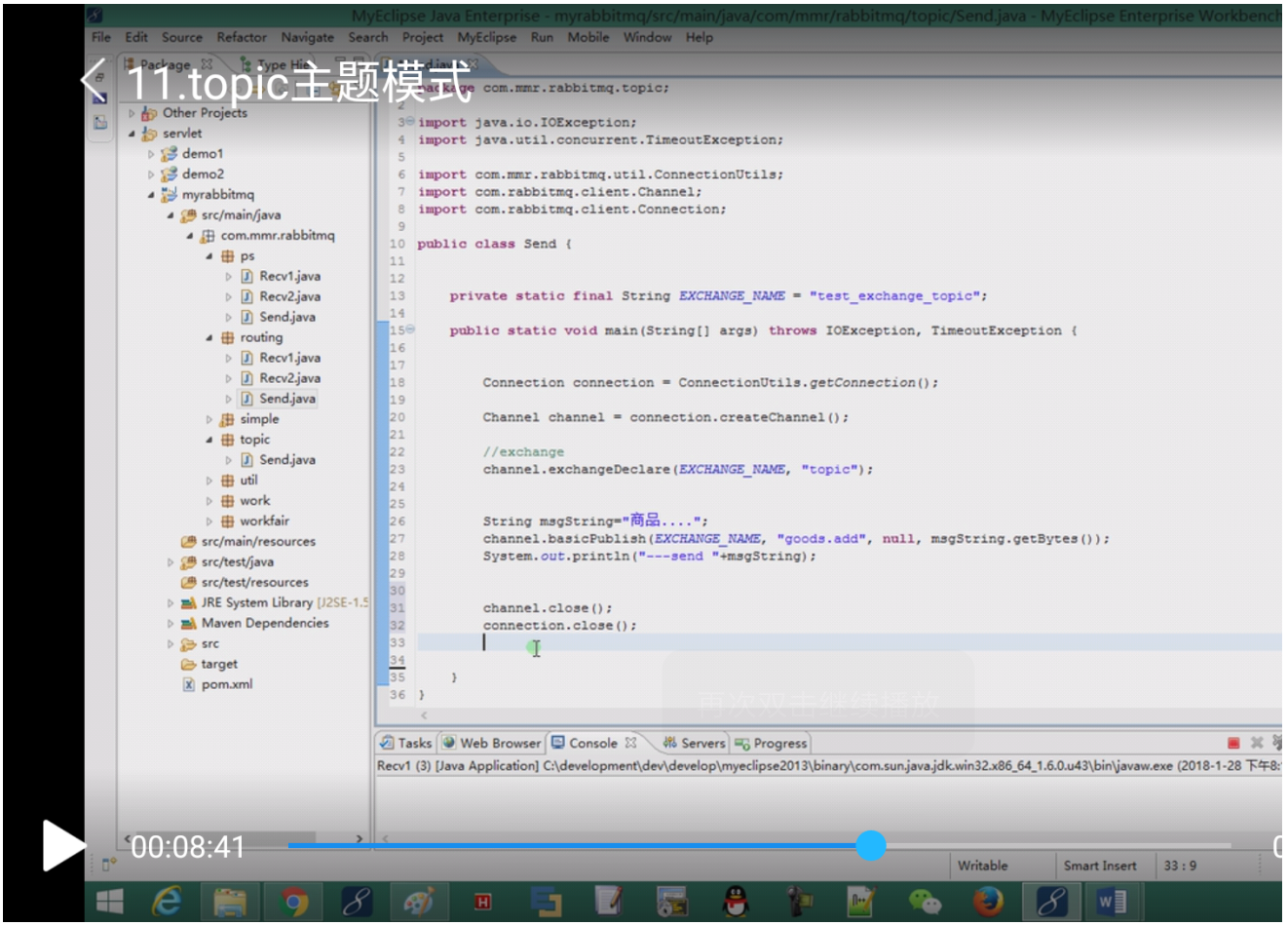

12.rabbitmq消息确认机制之事务机制
MyEclipse Java Enterprise - myrabbitmq/src/main/java/com/mmr/rabbitmq/tx/TxSend.java - MyEclipse Enterprise Workbench
File Edit Source Refactor Navigate Search Project MyEclipse Run Mobile Window Help
Other Projects
servlet
demo1
demo2
myrabbitmq
src/main/java
com.mmr.rabbitmq
ps
routing
simple
topic
tx
TxSend.java
util
work
workfair
src/main/resources
src/test/java
src/test/resources
JRE System Library [J2SE-1.5
Maven Dependencies
src
target
pom.xml
import com.rabbitmq.client.Channel;
import com.rabbitmq.client.Connection;
public class TxSend {
private static final String QUEUE_NAME="test_queue_tx";
public static void main(String[] args) throws IOException, TimeoutException {
Connection connection = ConnectionUtils.getConnection();
Channel channel = connection.createChannel();
channel.queueDeclare(QUEUE_NAME,false,false,false,null);
String msgString="hello tx message!";
try {
channel.txSelect();
channel.basicPublish("", QUEUE_NAME, null,msgString.getBytes());
channel.txCommit();
} catch (Exception e) {
channel.txRollback();
System.out.println(" send message txRollback");
}
channel.close();
connection.close();
}
}
Tasks Web Browser Console Servers Progress JUnit
No consoles to display at this time.
00:11:08
Writable Smart Insert 16 : 9

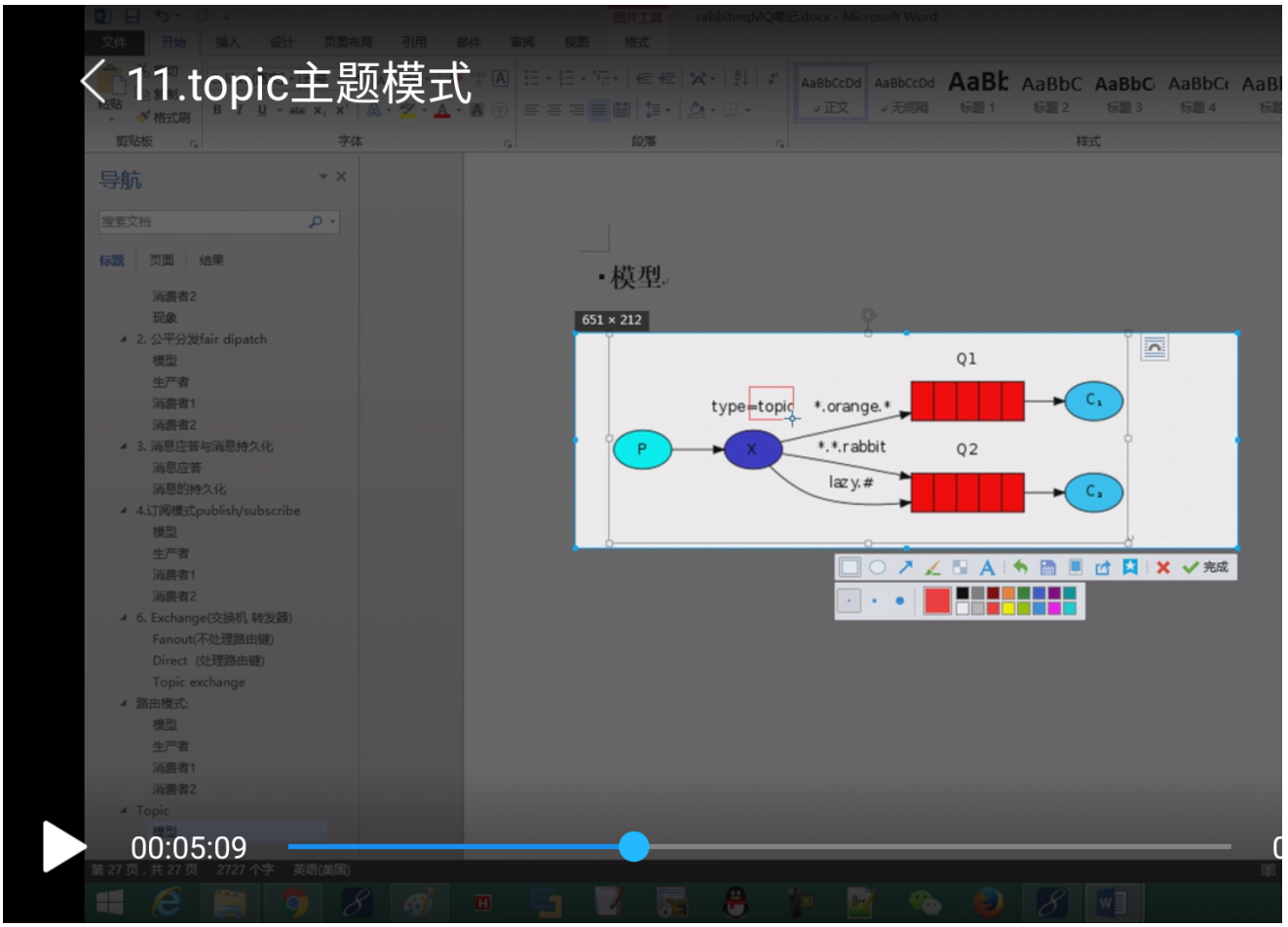

12.rabbitmq消息确认机制之事务机制
rabbitmqMQ笔记.docx - Microsoft Word
文件 开始 插入 设计 页面布局 引用 邮件 审阅 视图
剪贴板 字体 段落 样式
导航
搜索文档
标题 页面 结果
模型
生产者
消费者1
消费者2
3. 消息应答与消息持久化
消息应答
消息的持久化
4.订阅模式publish/subscribe
模型
生产者
消费者1
消费者2
6. Exchange(交换机 转发器)
Fanout(不处理路由键)
Direct (处理路由键)
Topic exchange
路由模式
模型
生产者
消费者1
消费者2
Topic
模型
消费者1
消费者2
Rabbitmq的消息确认机制(事务...
Rabbitmq 的消息确认机制(事务+confirm)
在 rabbitmq 中 我们可以通过持久化数据 解决 rabbitmq 服务器异常 的数据丢失问题,
问题:生产者将消息发送出去之后,消息到底有没有到达 rabbitmq 服务器,默认的情况是不知道的;
两种方式:
AMQP 实现了事务机制,
Confirm 模式,
事务
00:03:44
第 30 页,共 30 页 3133 个字 中文(中国)

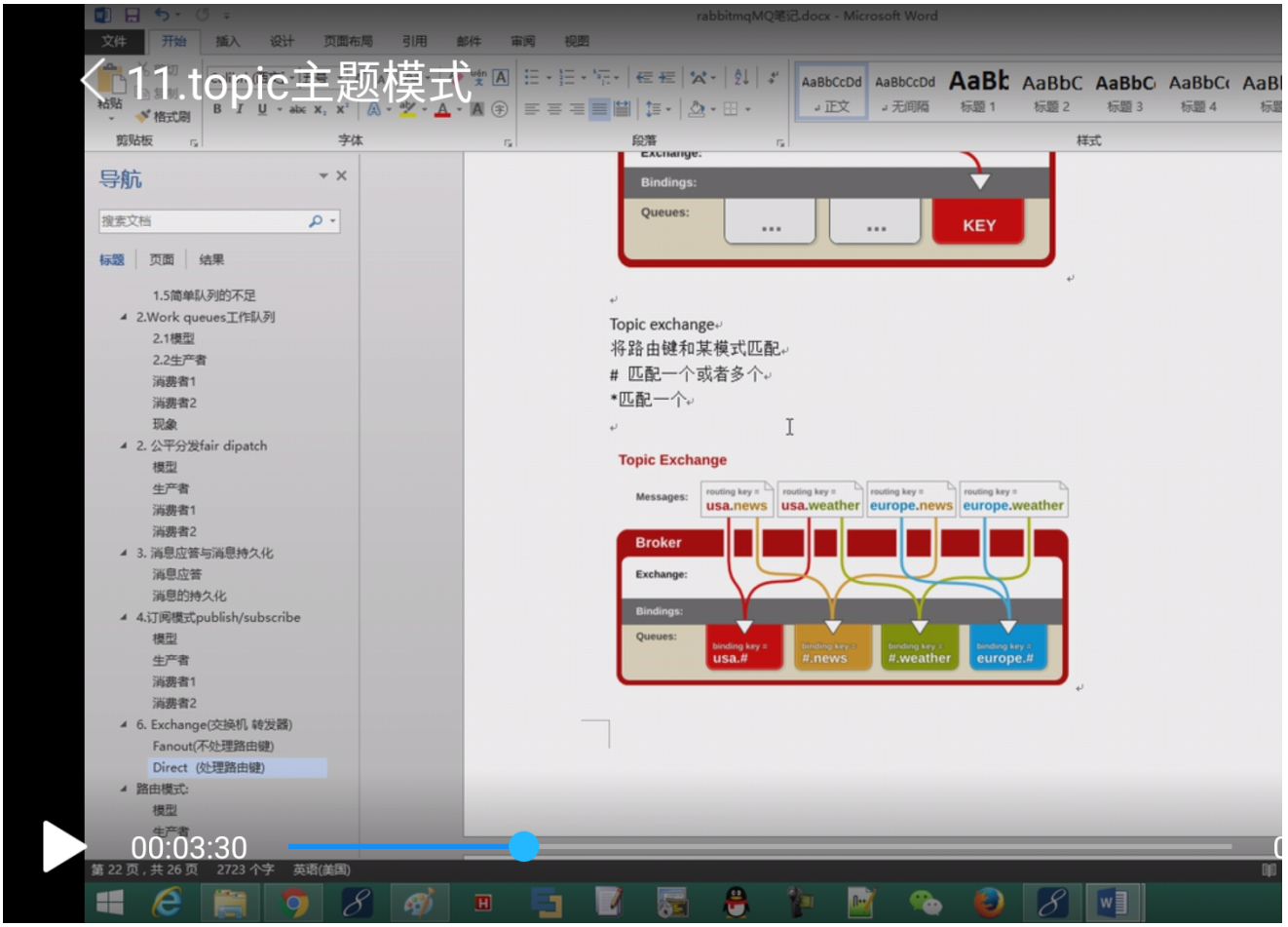

11.topic主题模式
00:10:23

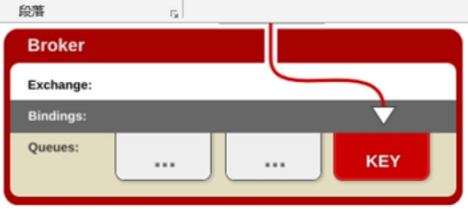

11.topic主题模式
再次双击继续播放
00:10:23


11.topic主题模式
MyEclipse Java Enterprise - myrabbitmq/src/main/java/com/mmr/rabbitmq/topic/Recv1.java - MyEclipse Enterprise Workbench
File Edit Source Refactor Navigate Search Project MyEclipse Run Mobile Window Help
Other Projects
servlet
demo1
demo2
myrabbitmq
src/main/java
com.mmr.rabbitmq
ps
Recv1.java
Recv2.java
Send.java
routing
Recv1.java
Recv2.java
Send.java
simple
topic
Recv1.java
Send.java
util
work
workfair
src/main/resources
src/test/java
src/test/resources
JRE System Library [J2SE-1.5
Maven Dependencies
src
target
pom.xml
Recv1.java
package com.mmr.rabbitmq.topic;
import java.io.IOException;
public class Recv1 {
private static final String EXCHANGE_NAME = "test_exchange_topic";
private static final String QUEUE_NAME = "test_queue_topic_1";
public static void main(String[] args) throws IOException, TimeoutException {
Connection connection = ConnectionUtils.getConnection();
final Channel channel = connection.createChannel();
channel.queueDeclare(QUEUE_NAME, false, false, false, null);
channel.queueBind(QUEUE_NAME, EXCHANGE_NAME, "goods.add");
channel.basicQos(1);
//定义一个消费者
Consumer consumer=new DefaultConsumer(channel){
//消息到达 触发这个方法
@Override
public void handleDelivery(String consumerTag, Envelope envelope,
BasicProperties properties, byte[] body) throws IOException {
String msg=new String(body,"utf-8");
System.out.println("[1] Recv msg:"+msg);
try {
Thread.sleep(2000);
} catch (InterruptedException e) {
e.printStackTrace();
}finally{
System.out.println("[1] done ");
channel.basicAck(envelope.getDeliveryTag(), false);
Tasks Web Browser Console Servers Progress
Recv1 (3) [Java Application] C:\development\dev\develop\myeclipse2013\binary\com.sun.java.jdk.win32.x86_64_1.6.0.u43\bin\javaw.exe (2018-1-28
00:09:43
Writable Smart Insert 26 : 9

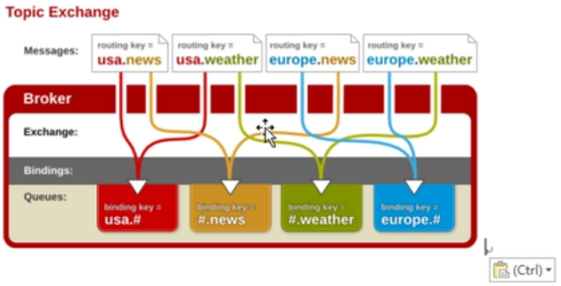

11.topic主题模式
MyEclipse Java Enterprise - myrabbitmq/src/main/java/com/mmr/rabbitmq/topic/Send.java - MyEclipse Enterprise Workbench
File Edit Source Refactor Navigate Search Project MyEclipse Run Mobile Window Help
Other Projects
servlet
demo1
demo2
myrabbitmq
src/main/java
com.mmr.rabbitmq
ps
Recv1.java
Recv2.java
Send.java
routing
Recv1.java
Recv2.java
Send.java
simple
topic
Send.java
util
work
workfair
src/main/resources
src/test/java
src/test/resources
JRE System Library [J2SE-1.5
Maven Dependencies
src
target
pom.xml
package com.mmr.rabbitmq.topic;
import java.io.IOException;
import java.util.concurrent.TimeoutException;
import com.mmr.rabbitmq.util.ConnectionUtils;
import com.rabbitmq.client.Channel;
import com.rabbitmq.client.Connection;
public class Send {
private static final String EXCHANGE_NAME = "test_exchange_topic";
public static void main(String[] args) throws IOException, TimeoutException {
Connection connection = ConnectionUtils.getConnection();
Channel channel = connection.createChannel();
//exchange
channel.exchangeDeclare(EXCHANGE_NAME, "topic");
String msgString="商品....";
channel.basicPublish(EXCHANGE_NAME, "goods.add", null, msgString.getBytes());
System.out.println("---send "+msgString);
channel.close();
connection.close();
}
}
Tasks Web Browser Console Servers Progress
Recv1 (3) [Java Application] C:\development\dev\develop\myeclipse2013\binary\com.sun.java.jdk.win32.x86_64_1.6.0.u43\bin\javaw.exe (2018-1-28
00:08:41
Writable Smart Insert 33 : 9


11.topic主题模式
模型
651 × 212
Q1
type=topic
.orange.
..rabbit
Q2
lazy.#
P
X
C1
C2
完成
00:05:09

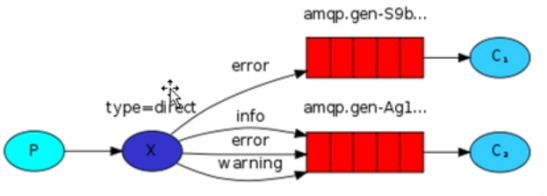

11.topic主题模式
Bindings:
Queues:
KEY
Topic exchange
将路由键和某模式匹配
匹配一个或者多个
*匹配一个
Topic Exchange
Messages:
usa.news
usa.weather
europe.news
europe.weather
Broker
Exchange:
Bindings:
Queues:
usa.#
#.news
#.weather
europe.#
00:03:30



Topic exchange
将路由键和某模式匹配

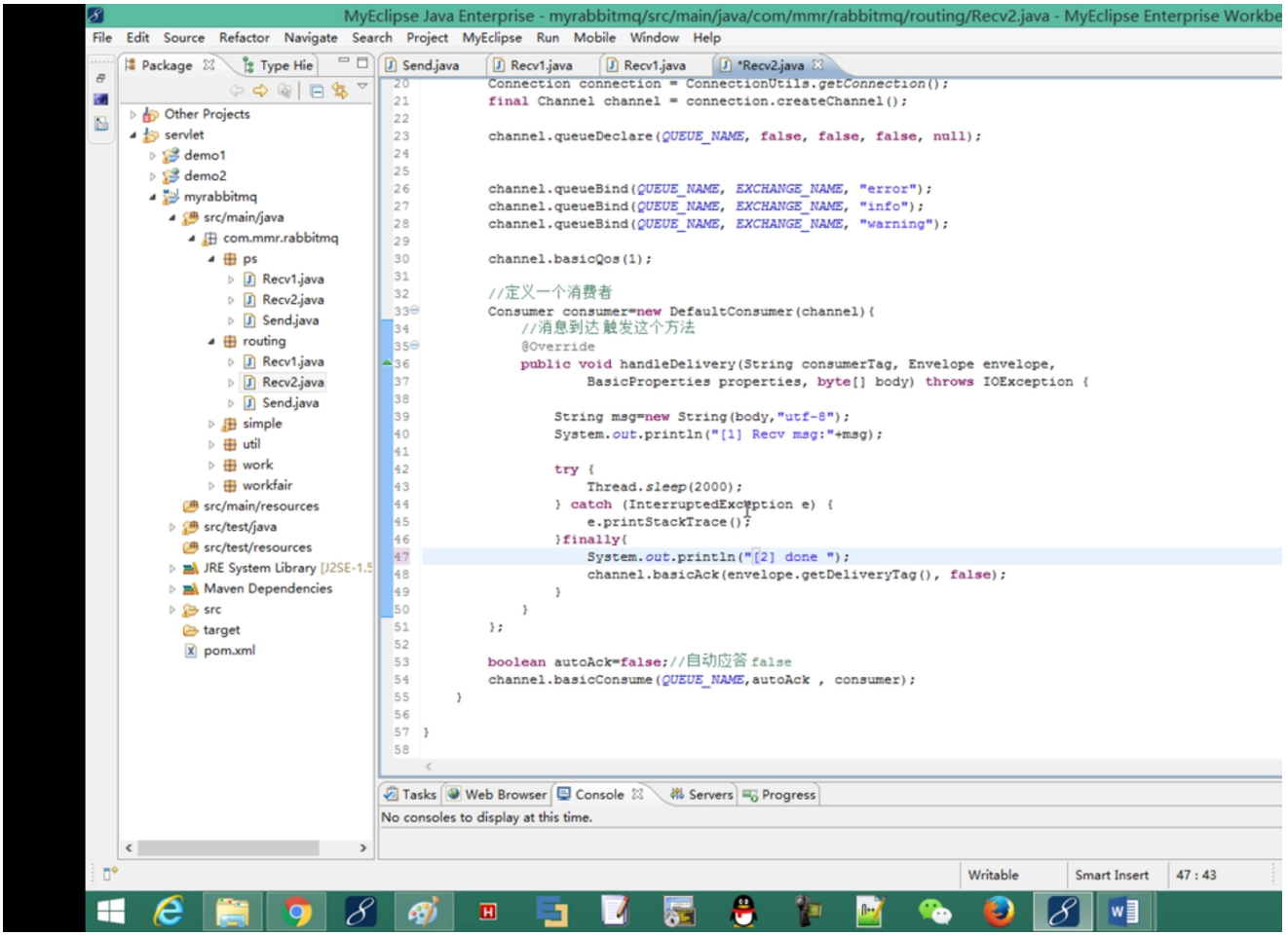


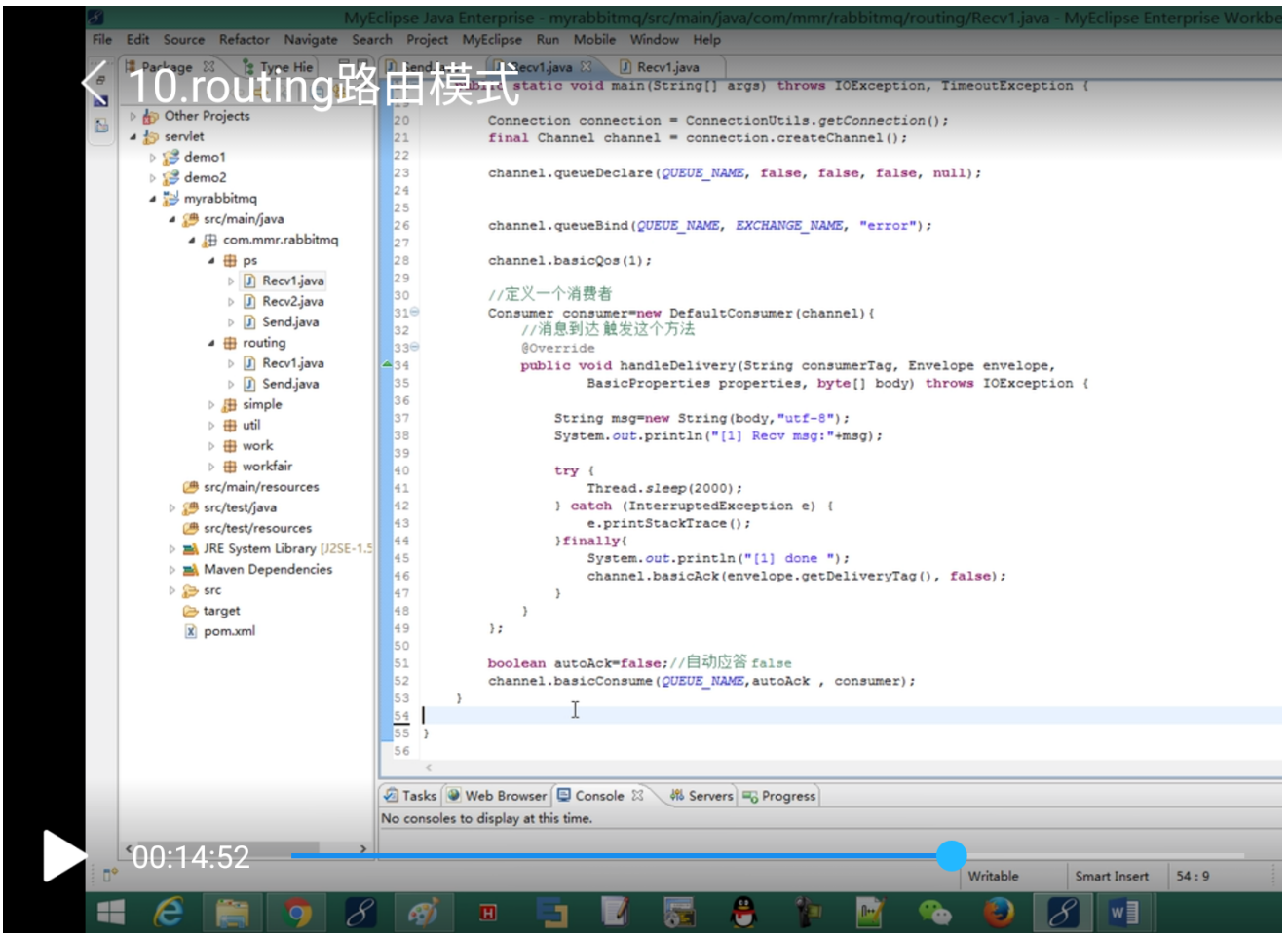
- 路由模式:
- 模型

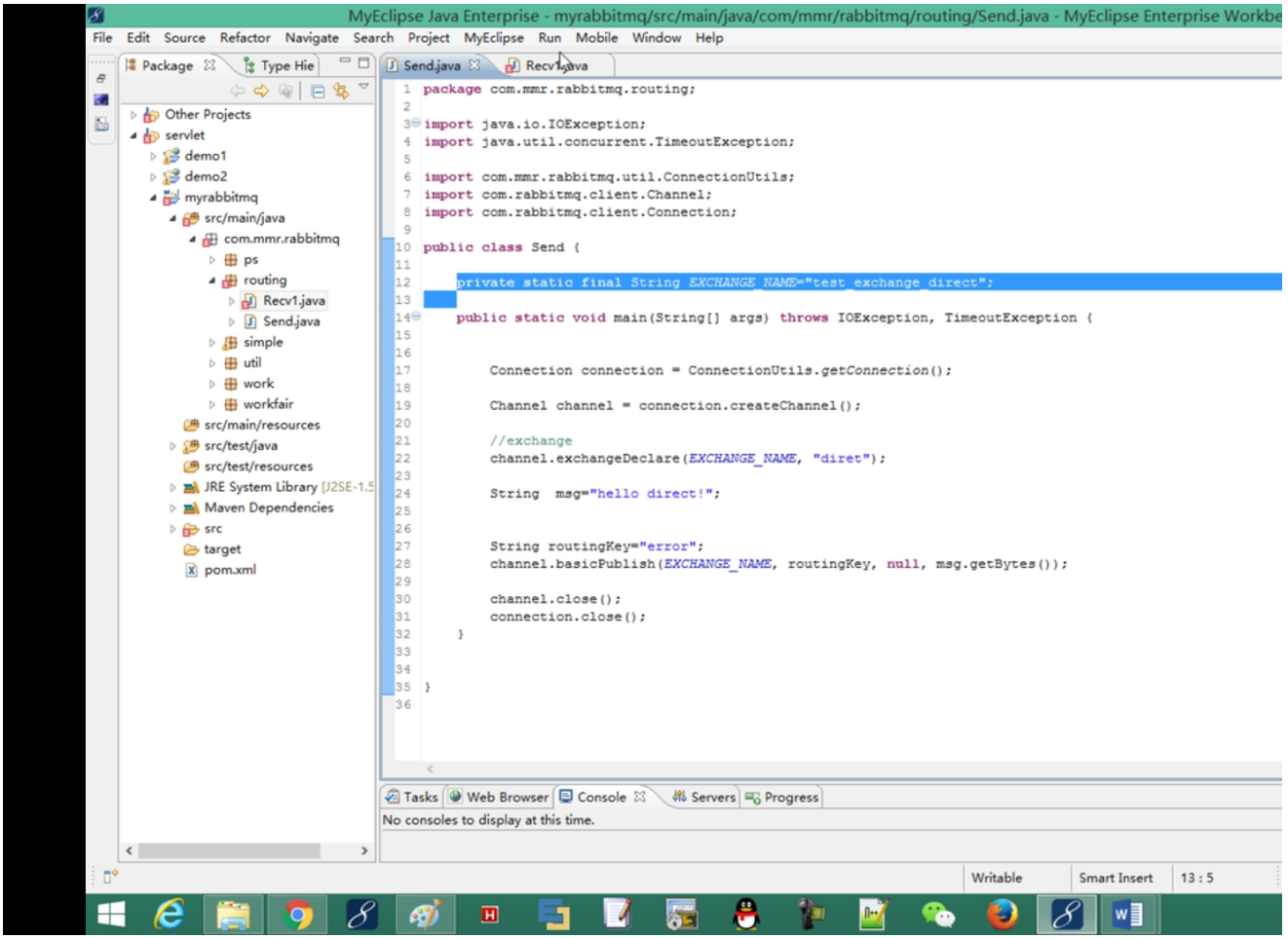


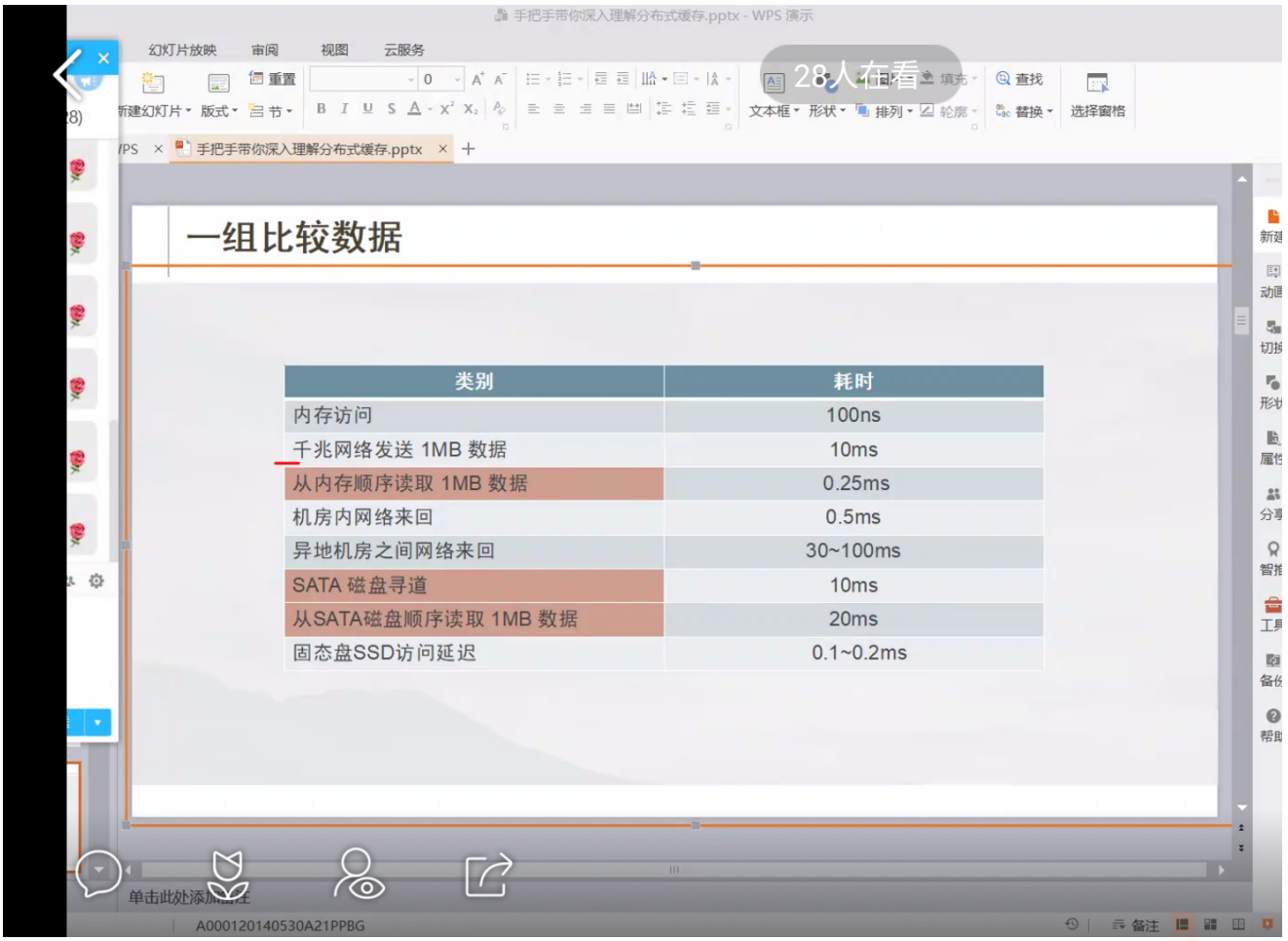
- 生产者

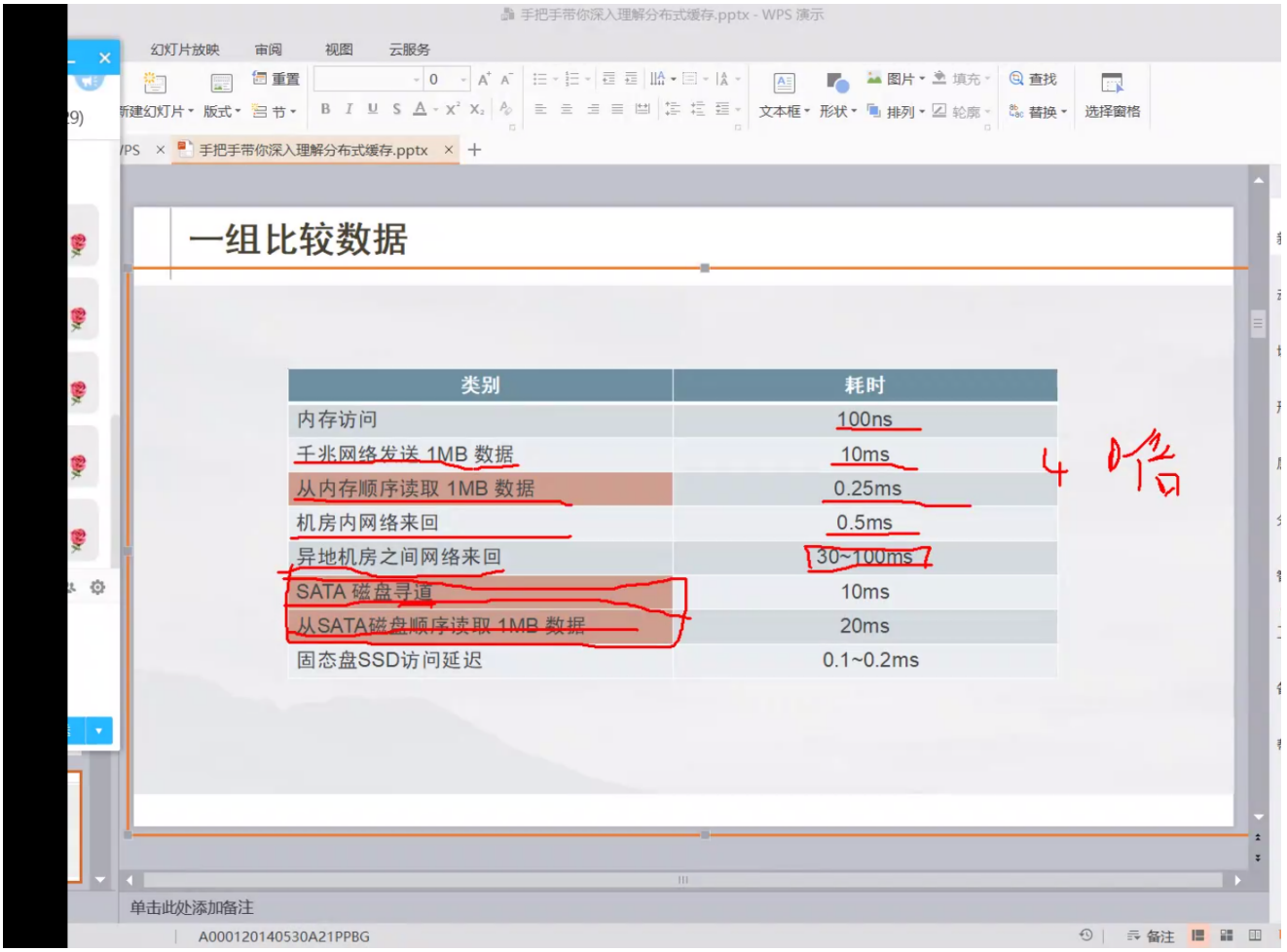
```
public class Send {

    private static final String
EXCHANGE_NAME="test_exchange_direct";
```

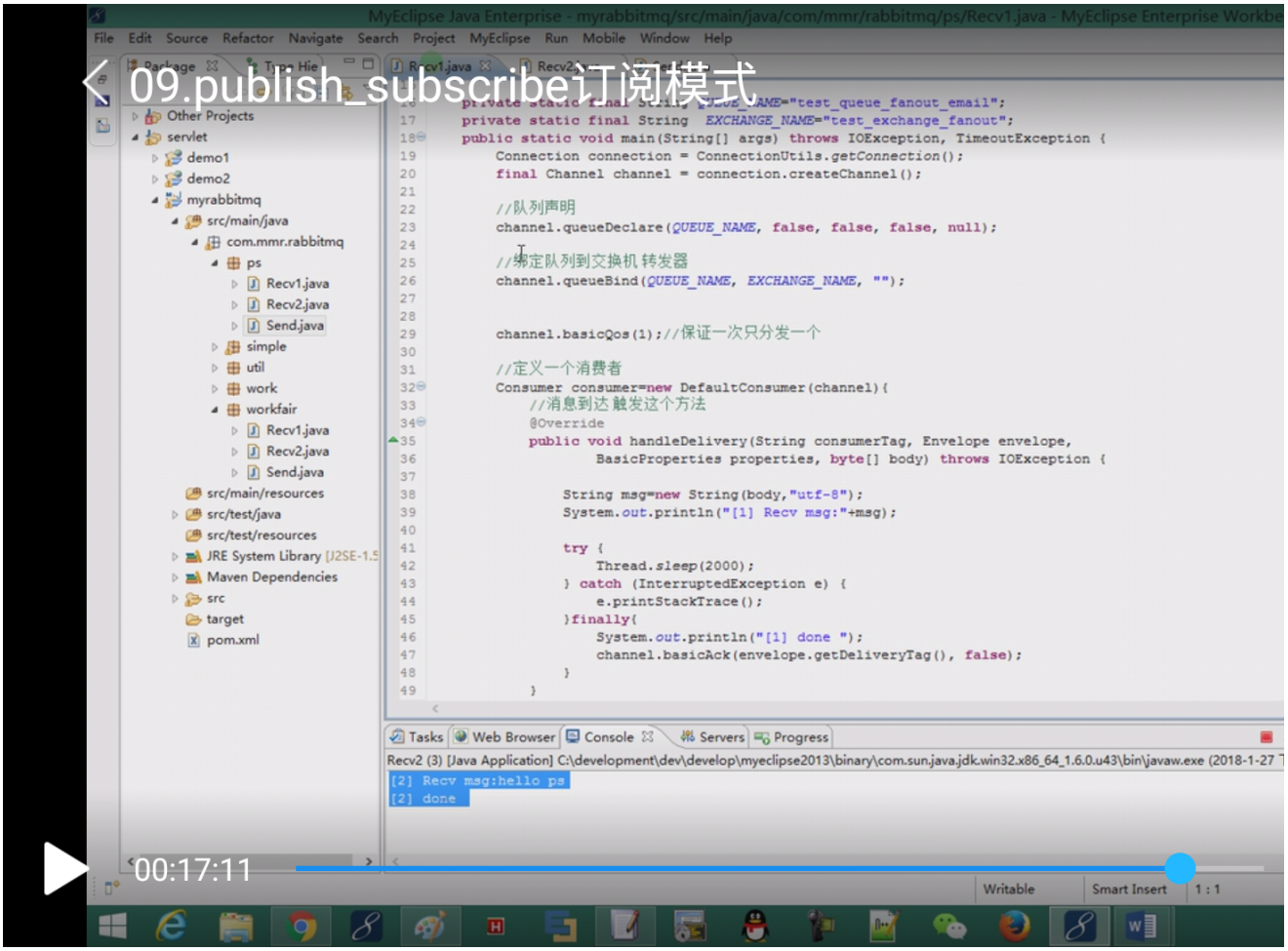

MyEclipse Java Enterprise - myrabbitmq/src/main/java/com/mmr/rabbitmq/routing/Recv2.java - MyEclipse Enterprise Workbe
File Edit Source Refactor Navigate Search Project MyEclipse Run Mobile Window Help
Package Explorer
Other Projects
servlet
demo1
demo2
myrabbitmq
src/main/java
com.mmr.rabbitmq
ps
Recv1.java
Recv2.java
Send.java
routing
Recv1.java
Recv2.java
Send.java
simple
util
work
workfair
src/main/resources
src/test/java
src/test/resources
JRE System Library [J2SE-1.5
Maven Dependencies
src
target
pom.xml
Send.java
Recv1.java
Recv1.java
*Recv2.java
Connection connection = ConnectionUtils.getConnection();
final Channel channel = connection.createChannel();
channel.queueDeclare(QUEUE_NAME, false, false, false, null);
channel.queueBind(QUEUE_NAME, EXCHANGE_NAME, "error");
channel.queueBind(QUEUE_NAME, EXCHANGE_NAME, "info");
channel.queueBind(QUEUE_NAME, EXCHANGE_NAME, "warning");
channel.basicQos(1);
//定义一个消费者
Consumer consumer=new DefaultConsumer(channel){
//消息到达触发这个方法
@Override
public void handleDelivery(String consumerTag, Envelope envelope,
BasicProperties properties, byte[] body) throws IOException {
String msg=new String(body,"utf-8");
System.out.println("[1] Recv msg:"+msg);
try {
Thread.sleep(2000);
} catch (InterruptedException e) {
e.printStackTrace();
}finally{
System.out.println("[2] done ");
channel.basicAck(envelope.getDeliveryTag(), false);
}
}
};
boolean autoAck=false;//自动应答 false
channel.basicConsume(QUEUE_NAME,autoAck , consumer);
}
}
Tasks Web Browser Console Servers Progress
No consoles to display at this time.
Writable
Smart Insert
47 : 43

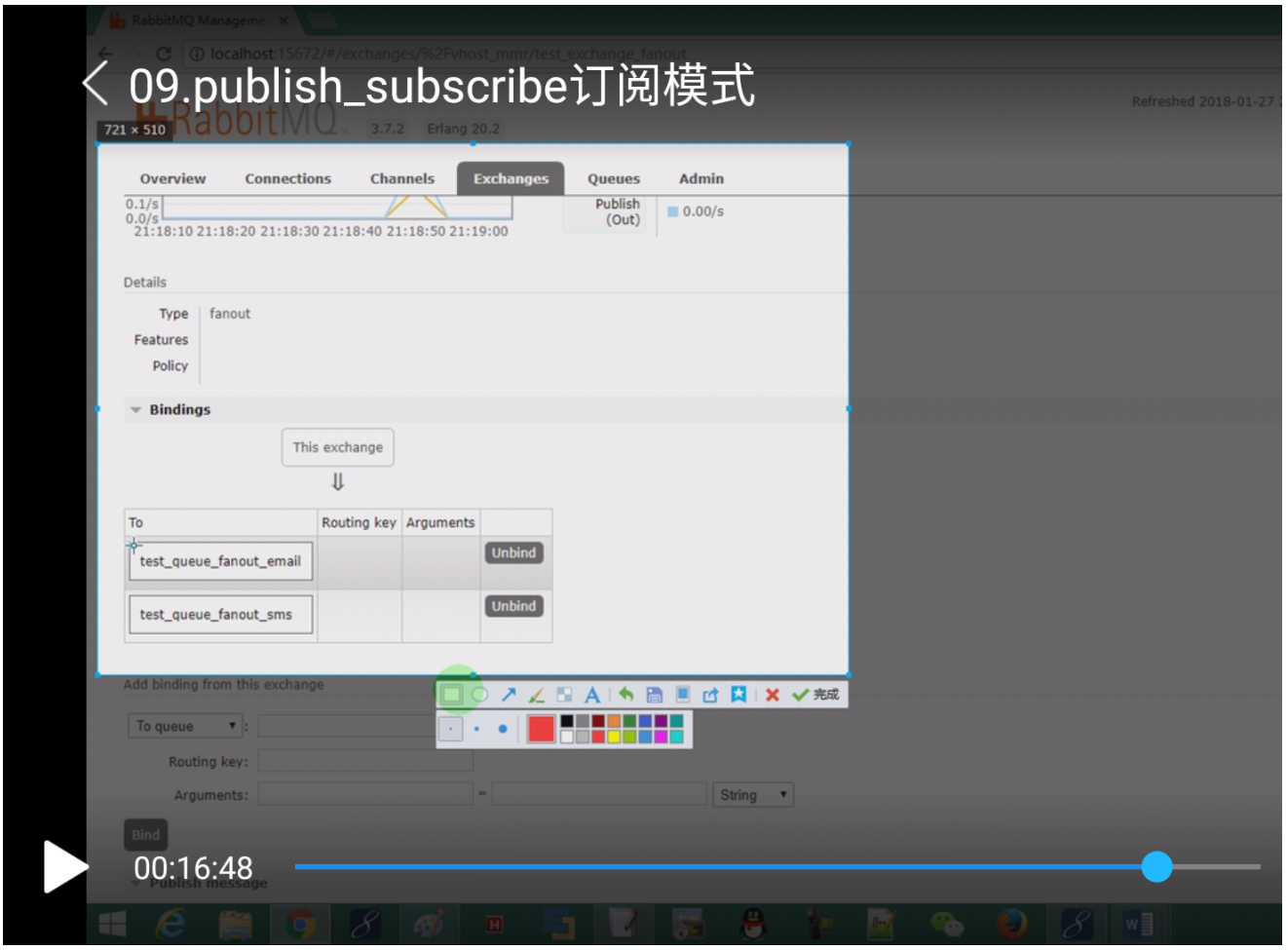

MyEclipse Java Enterprise - myrabbitmq/src/main/java/com/mmr/rabbitmq/routing/Recv1.java - MyEclipse Enterprise Workbe
File Edit Source Refactor Navigate Search Project MyEclipse Run Mobile Window Help
10.routing路由模式
Package Explorer
Other Projects
servlet
demo1
demo2
myrabbitmq
src/main/java
com.mmr.rabbitmq
ps
Recv1.java
Recv2.java
Send.java
routing
Recv1.java
Send.java
simple
util
work
workfair
src/main/resources
src/test/java
src/test/resources
JRE System Library [J2SE-1.5
Maven Dependencies
src
target
pom.xml
Recv1.java
Recv1.java
public static void main(String[] args) throws IOException, TimeoutException {
Connection connection = ConnectionUtils.getConnection();
final Channel channel = connection.createChannel();
channel.queueDeclare(QUEUE_NAME, false, false, false, null);
channel.queueBind(QUEUE_NAME, EXCHANGE_NAME, "error");
channel.basicQos(1);
//定义一个消费者
Consumer consumer=new DefaultConsumer(channel){
//消息到达触发这个方法
@Override
public void handleDelivery(String consumerTag, Envelope envelope,
BasicProperties properties, byte[] body) throws IOException {
String msg=new String(body,"utf-8");
System.out.println("[1] Recv msg:"+msg);
try {
Thread.sleep(2000);
} catch (InterruptedException e) {
e.printStackTrace();
}finally{
System.out.println("[1] done ");
channel.basicAck(envelope.getDeliveryTag(), false);
}
}
};
boolean autoAck=false;//自动应答 false
channel.basicConsume(QUEUE_NAME,autoAck , consumer);
}
}
Tasks Web Browser Console Servers Progress
No consoles to display at this time.
00:14:52
Writable
Smart Insert
54 : 9

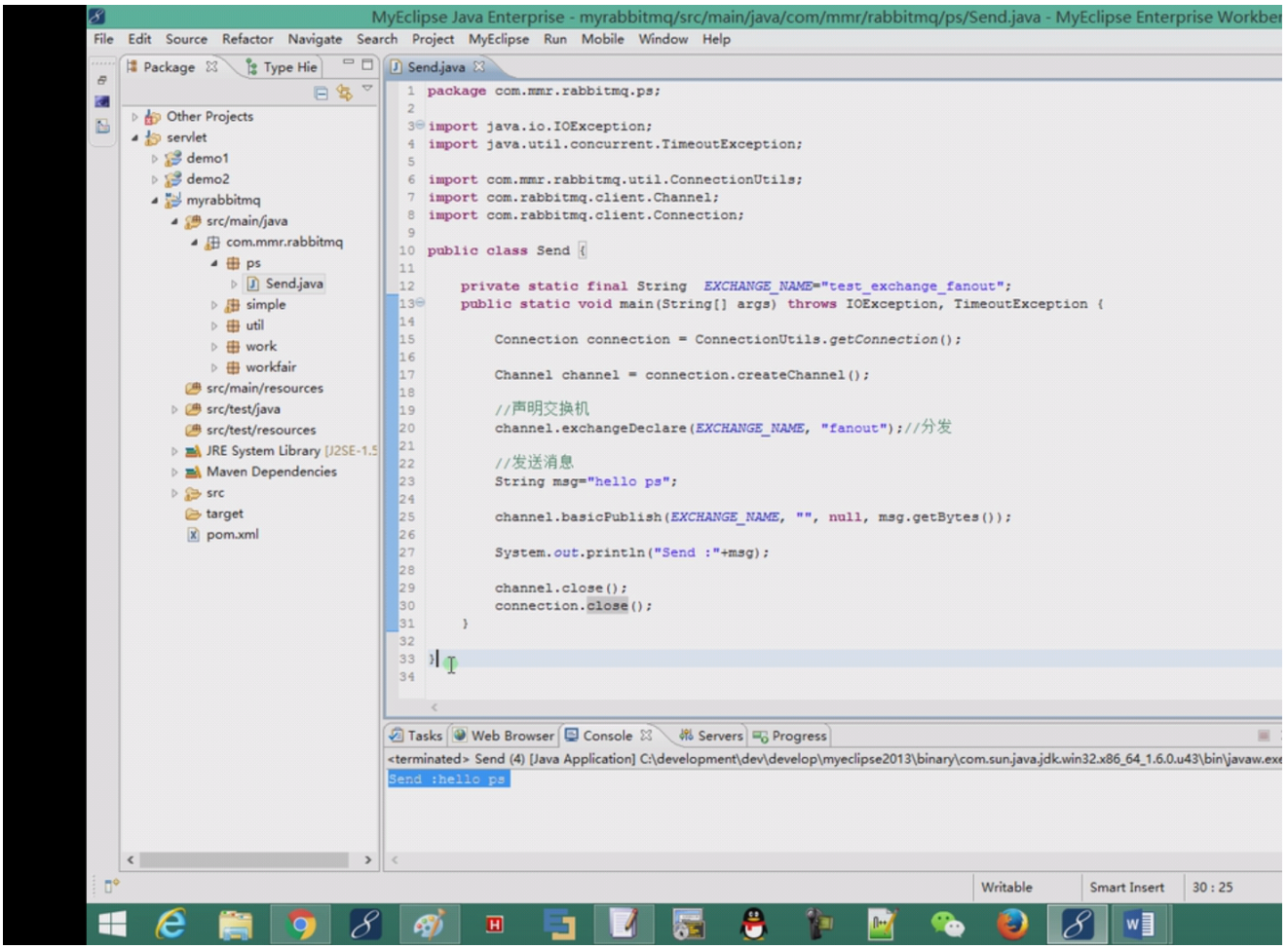

MyEclipse Java Enterprise - myrabbitmq/src/main/java/com/mmr/rabbitmq/routing/Send.java - MyEclipse Enterprise Workbe
File Edit Source Refactor Navigate Search Project MyEclipse Run Mobile Window Help
Package Type Hie
Other Projects
servlet
demo1
demo2
myrabbitmq
src/main/java
com.mmr.rabbitmq
ps
routing
Recv1.java
Send.java
simple
util
work
workfair
src/main/resources
src/test/java
src/test/resources
JRE System Library [J2SE-1.5
Maven Dependencies
src
target
pom.xml
Send.java
Recv1.java
package com.mmr.rabbitmq.routing;
import java.io.IOException;
import java.util.concurrent.TimeoutException;
import com.mmr.rabbitmq.util.ConnectionUtils;
import com.rabbitmq.client.Channel;
import com.rabbitmq.client.Connection;
public class Send {
private static final String EXCHANGE_NAME="test_exchange_direct";
public static void main(String[] args) throws IOException, TimeoutException {
Connection connection = ConnectionUtils.getConnection();
Channel channel = connection.createChannel();
//exchange
channel.exchangeDeclare(EXCHANGE_NAME, "diret");
String msg="hello direct!";
String routingKey="error";
channel.basicPublish(EXCHANGE_NAME, routingKey, null, msg.getBytes());
channel.close();
connection.close();
}
}
Tasks Web Browser Console Servers Progress
No consoles to display at this time.
Writable
Smart Insert
13 : 5

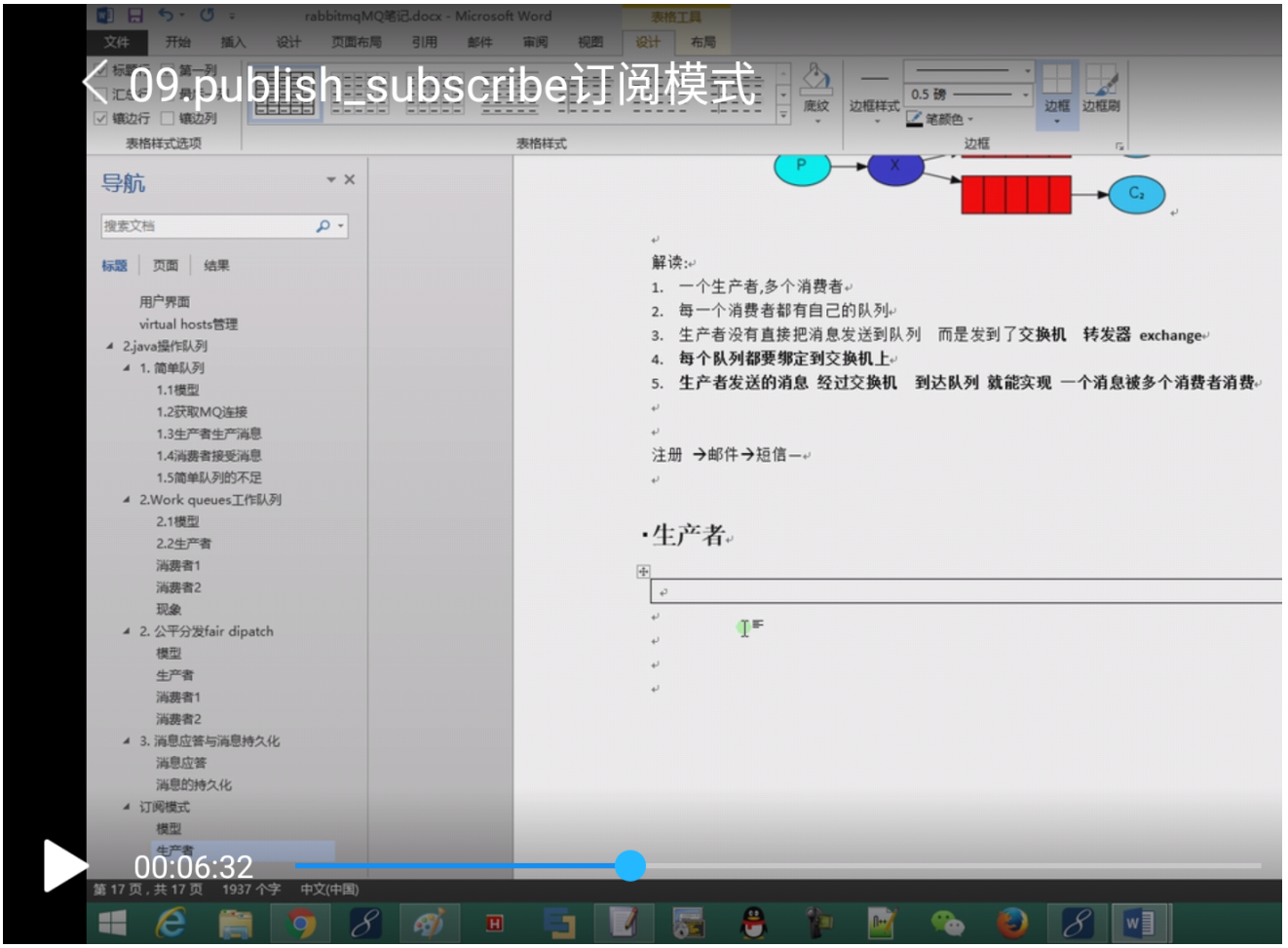

手把手带你深入理解分布式缓存.pptx - WPS 演示
28人在看
幻灯片放映
审阅
视图
云服务
手把手带你深入理解分布式缓存.pptx
一组比较数据
类别
耗时
内存访问
100ns
千兆网络发送 1MB 数据
10ms
从内存顺序读取 1MB 数据
0.25ms
机房内网络来回
0.5ms
异地机房之间网络来回
30~100ms
SATA 磁盘寻道
10ms
从SATA磁盘顺序读取 1MB 数据
20ms
固态盘SSD访问延迟
0.1~0.2ms
单击此处添加备注
A000120140530A21PPBG
备注


手把手带你深入理解分布式缓存.pptx - WPS 演示
幻灯片放映
审阅
视图
云服务
手把手带你深入理解分布式缓存.pptx
一组比较数据
类别
耗时
内存访问
100ns
千兆网络发送 1MB 数据
10ms
从内存顺序读取 1MB 数据
0.25ms
机房内网络来回
0.5ms
异地机房之间网络来回
30~100ms
SATA 磁盘寻道
10ms
从SATA磁盘顺序读取 1MB 数据
20ms
固态盘SSD访问延迟
0.1~0.2ms
4 啥
单击此处添加备注
A000120140530A21PPBG
备注


09.publish_subscribe订阅模式
MyEclipse Java Enterprise - myrabbitmq/src/main/java/com/mmr/rabbitmq/ps/Recv1.java - MyEclipse Enterprise Workbe
File Edit Source Refactor Navigate Search Project MyEclipse Run Mobile Window Help
Other Projects
servlet
demo1
demo2
myrabbitmq
src/main/java
com.mmr.rabbitmq
ps
Recv1.java
Recv2.java
Send.java
simple
util
work
workfair
Recv1.java
Recv2.java
Send.java
src/main/resources
src/test/java
src/test/resources
JRE System Library [J2SE-1.5
Maven Dependencies
src
target
pom.xml
private static final String QUEUE_NAME="test_queue_fanout_email";
private static final String EXCHANGE_NAME="test_exchange_fanout";
public static void main(String[] args) throws IOException, TimeoutException {
Connection connection = ConnectionUtils.getConnection();
final Channel channel = connection.createChannel();
//队列声明
channel.queueDeclare(QUEUE_NAME, false, false, false, null);
//绑定队列到交换机 转发器
channel.queueBind(QUEUE_NAME, EXCHANGE_NAME, "");
channel.basicQos(1);//保证一次只分发一个
//定义一个消费者
Consumer consumer=new DefaultConsumer(channel){
//消息到达 触发这个方法
@Override
public void handleDelivery(String consumerTag, Envelope envelope,
BasicProperties properties, byte[] body) throws IOException {
String msg=new String(body,"utf-8");
System.out.println("[1] Recv msg:"+msg);
try {
Thread.sleep(2000);
} catch (InterruptedException e) {
e.printStackTrace();
}finally{
System.out.println("[1] done ");
channel.basicAck(envelope.getDeliveryTag(), false);
}
}
Tasks Web Browser Console Servers Progress
Recv2 (3) [Java Application] C:\development\dev\develop\myeclipse2013\binary\com.sun.java.jdk.win32.x86_64_1.6.0.u43\bin\javaw.exe (2018-1-27
[2] Recv msg:hello ps
[2] done
00:17:11
Writable
Smart Insert
1 : 1


09.publish_subscribe订阅模式
721 × 510
Overview
Connections
Channels
Exchanges
Queues
Admin
Publish (Out)
0.00/s
Details
Type
fanout
Features
Policy
Bindings
This exchange
To
Routing key
Arguments
test_queue_fanout_email
Unbind
test_queue_fanout_sms
Unbind
Add binding from this exchange
To queue
Routing key:
Arguments:
String
Bind
00:16:48

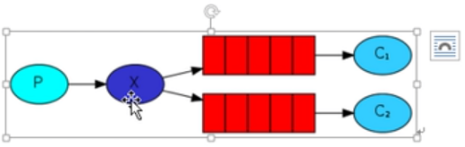

MyEclipse Java Enterprise - myrabbitmq/src/main/java/com/mmr/rabbitmq/ps/Send.java - MyEclipse Enterprise Workbe
File Edit Source Refactor Navigate Search Project MyEclipse Run Mobile Window Help
Package
Type Hie
Send.java
Other Projects
servlet
demo1
demo2
myrabbitmq
src/main/java
com.mmr.rabbitmq
ps
Send.java
simple
util
work
workfair
src/main/resources
src/test/java
src/test/resources
JRE System Library [J2SE-1.5
Maven Dependencies
src
target
pom.xml
1 package com.mmr.rabbitmq.ps;
3 import java.io.IOException;
4 import java.util.concurrent.TimeoutException;
6 import com.mmr.rabbitmq.util.ConnectionUtils;
7 import com.rabbitmq.client.Channel;
8 import com.rabbitmq.client.Connection;
10 public class Send {
12 private static final String EXCHANGE_NAME="test_exchange_fanout";
13 public static void main(String[] args) throws IOException, TimeoutException {
15 Connection connection = ConnectionUtils.getConnection();
17 Channel channel = connection.createChannel();
19 //声明交换机
20 channel.exchangeDeclare(EXCHANGE_NAME, "fanout");//分发
22 //发送消息
23 String msg="hello ps";
25 channel.basicPublish(EXCHANGE_NAME, "", null, msg.getBytes());
27 System.out.println("Send :"+msg);
29 channel.close();
30 connection.close();
31 }
33 }
Tasks
Web Browser
Console
Servers
Progress
<terminated> Send (4) [Java Application] C:\development\dev\develop\myeclipse2013\binary\com.sun.java.jdk.win32.x86_64_1.6.0.u43\bin\javaw.exe
Send :hello ps
Writable
Smart Insert
30 : 25


09.publish_subscribe订阅模式
rabbitmqMQ笔记.docx - Microsoft Word
导航
解读:
1. 一个生产者,多个消费者
2. 每一个消费者都有自己的队列
3. 生产者没有直接把消息发送到队列 而是发到了交换机 转发器 exchange
4. 每个队列都要绑定到交换机上
5. 生产者发送的消息 经过交换机 到达队列 就能实现 一个消息被多个消费者消费
注册 →邮件→短信—
·生产者
00:06:32

09.publish_subscribe订阅模式

订阅模式

.模型



00:02:41

08.消息应答ack与消息持久化durable

boolean autoAck=false;(手动模式),如果有一个消费者挂掉,
就会交付给其他消费者,rabbitmq 支持消息应答 ,消费者发送一个消息应答,高数 rabbitm
个消息我已经处理完成 你可以删了,然后 rabbitmq 就删除内存中的消息.

消息应答默认是打开的,false

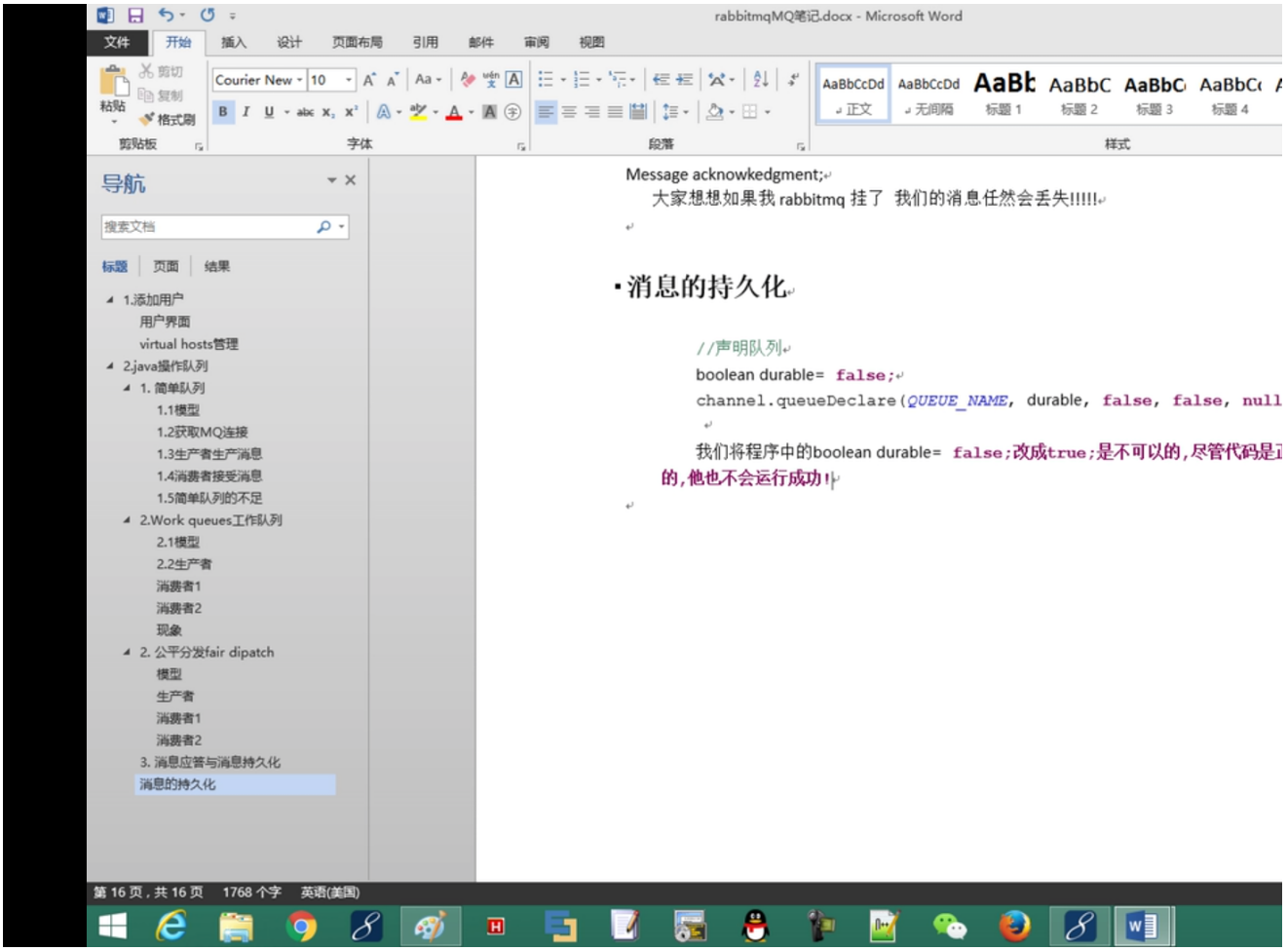
Message acknowkedgment;
大家想想如果我 rabbitmq 挂了 我们的消息任然会丢失!!!!!

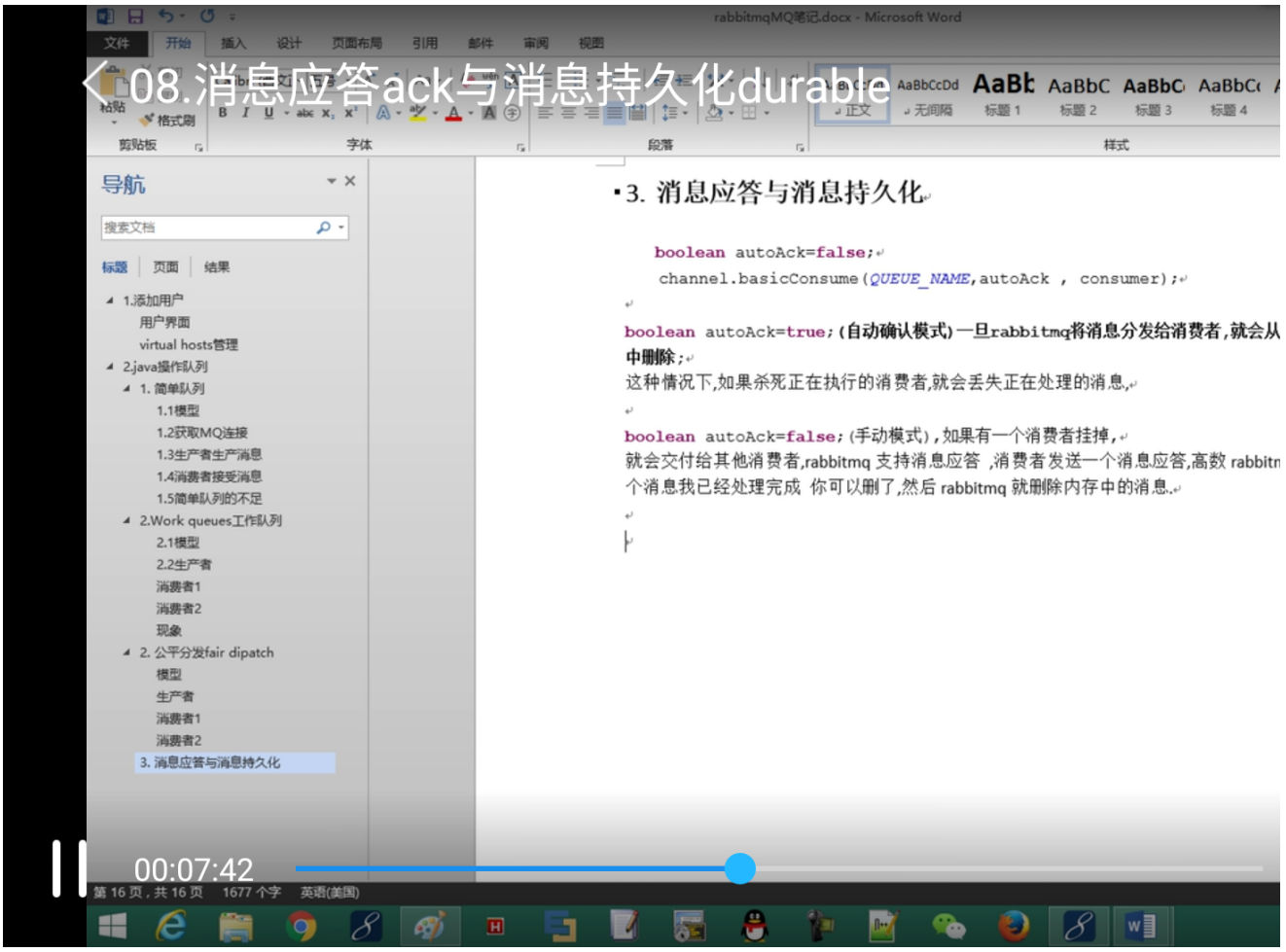
·消息的持久化

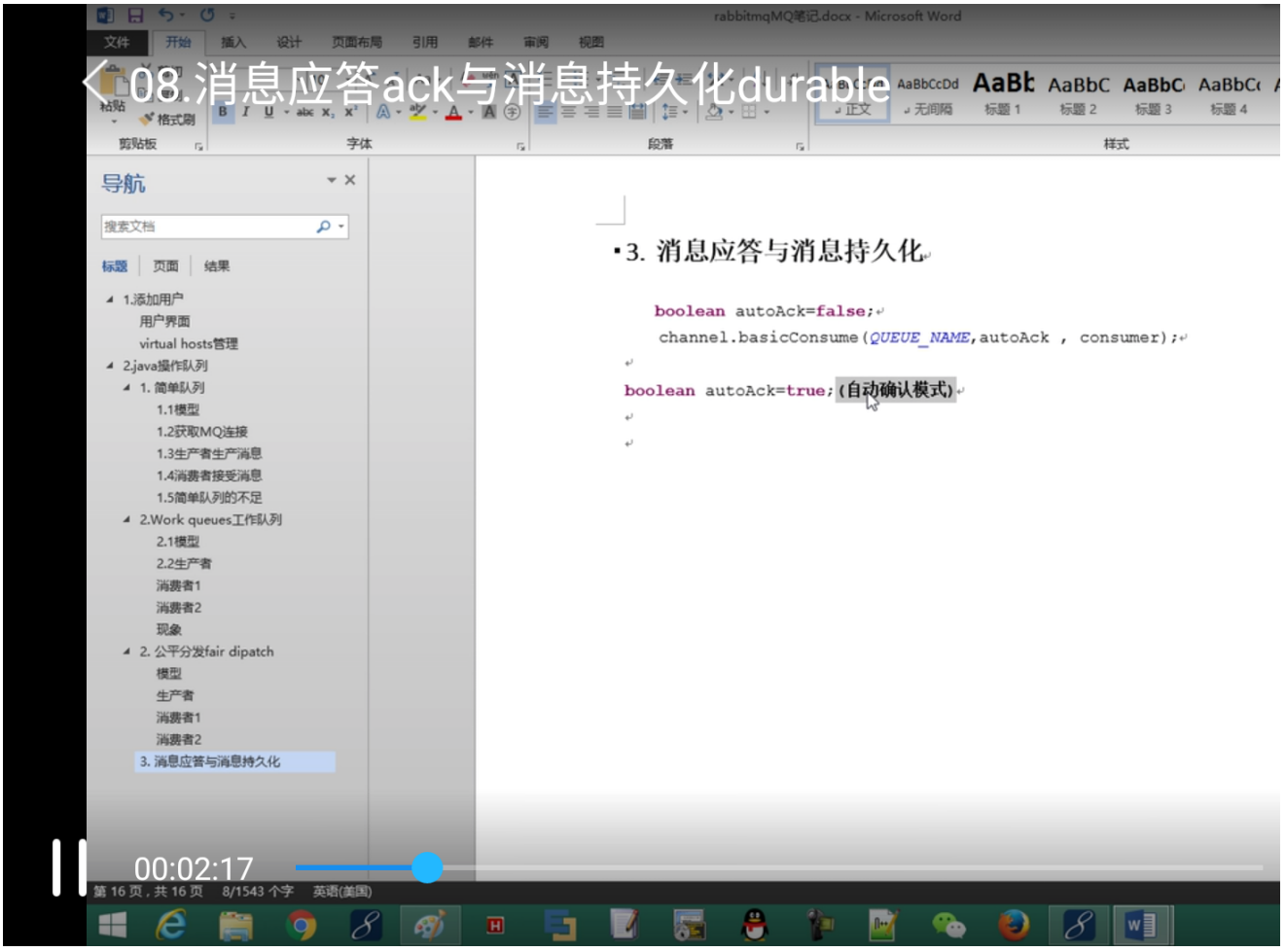
```
//声明队列
boolean durable= false;
channel.queueDeclare(QUEUE_NAME, durable, false, false, null)
```

我们将程序中的boolean durable= false;改成true;是不可以的,尽管代码是正
的,他也不会运行成功!因为我们已经定义了一个叫 test_work_queue 这个queue
持久化,rabbitmq不准许重新定义(不同参数)一个已存在的队列

00:16:31


rabbitmqMQ笔记.docx - Microsoft Word
文件
开始
插入
设计
页面布局
引用
邮件
审阅
视图
导航
搜索文档
标题
页面
结果
1.添加用户
用户界面
virtual hosts管理
2.java操作队列
1. 简单队列
1.1模型
1.2获取MQ连接
1.3生产者生产消息
1.4消费者接受消息
1.5简单队列的不足
2.Work queues工作队列
2.1模型
2.2生产者
消费者1
消费者2
现象
2. 公平分发fair dipatch
模型
生产者
消费者1
消费者2
3. 消息应答与消息持久化
消息的持久化
Message acknowkedgment;
大家想想如果我 rabbitmq 挂了 我们的消息任然会丢失!!!!!
消息的持久化
//声明队列
boolean durable= false;
channel.queueDeclare(QUEUE_NAME, durable, false, false, null
我们将程序中的boolean durable= false;改成true;是不可以的,尽管代码是正
的,他也不会运行成功!
第 16 页，共 16 页 1768 个字 英语(美国)


08.消息应答ack与消息持久化durable
rabbitmqMQ笔记.docx - Microsoft Word
导航
1.添加用户
用户界面
virtual hosts管理
2.java操作队列
1. 简单队列
1.1模型
1.2获取MQ连接
1.3生产者生产消息
1.4消费者接受消息
1.5简单队列的不足
2.Work queues工作队列
2.1模型
2.2生产者
消费者1
消费者2
现象
2. 公平分发fair dipatch
模型
生产者
消费者1
消费者2
3. 消息应答与消息持久化
3. 消息应答与消息持久化
boolean autoAck=false;
channel.basicConsume(QUEUE_NAME,autoAck , consumer);
boolean autoAck=true;(自动确认模式)一旦rabbitmq将消息分发给消费者,就会从
中删除;
这种情况下,如果杀死正在执行的消费者,就会丢失正在处理的消息.
boolean autoAck=false;(手动模式),如果有一个消费者挂掉,
就会交付给其他消费者,rabbitmq 支持消息应答 ,消费者发送一个消息应答,高数 rabbitn
个消息我已经处理完成 你可以删了,然后 rabbitmq 就删除内存中的消息.
00:07:42


08.消息应答ack与消息持久化durable
rabbitmqMQ笔记.docx - Microsoft Word
导航
1.添加用户
用户界面
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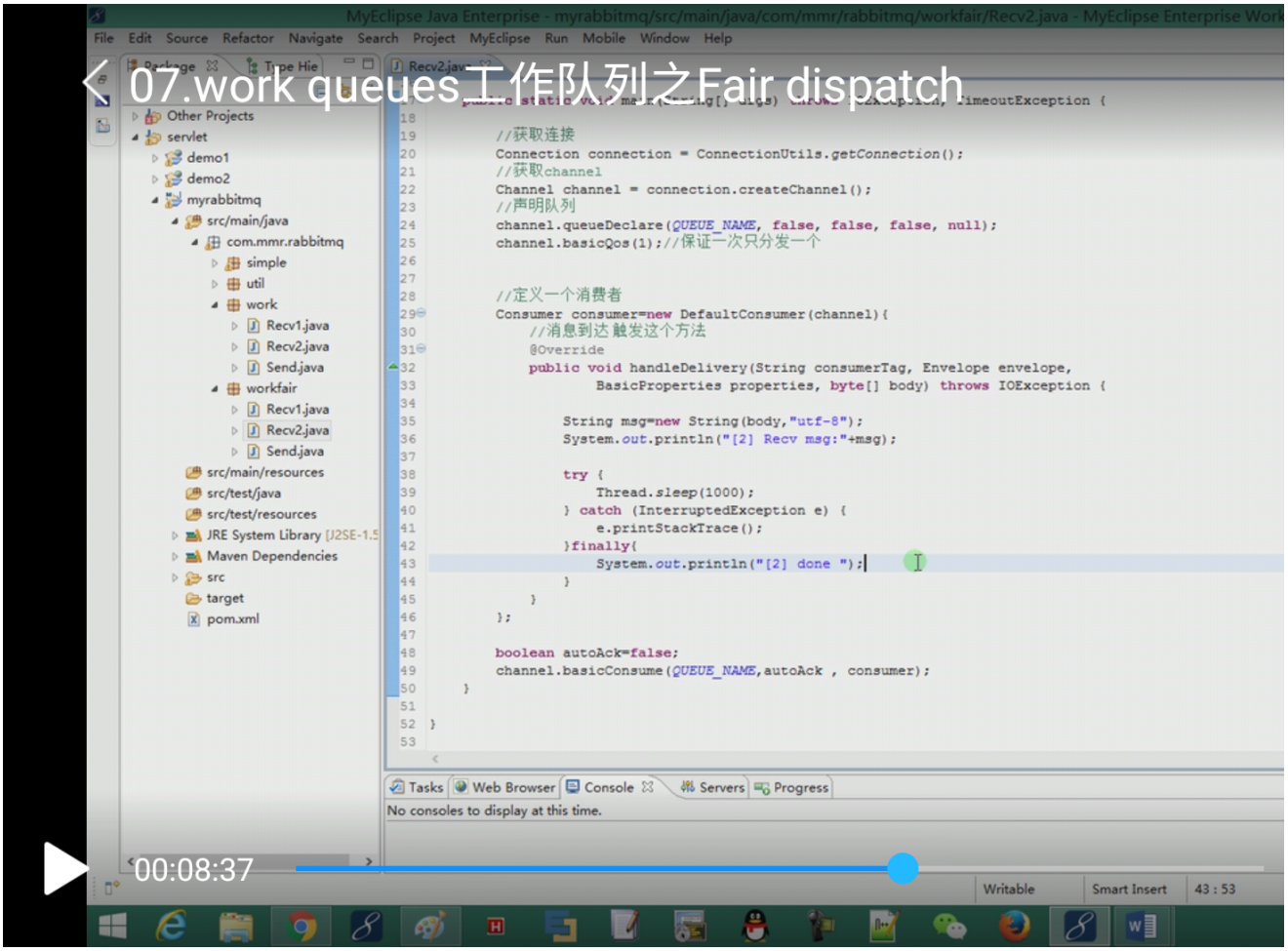
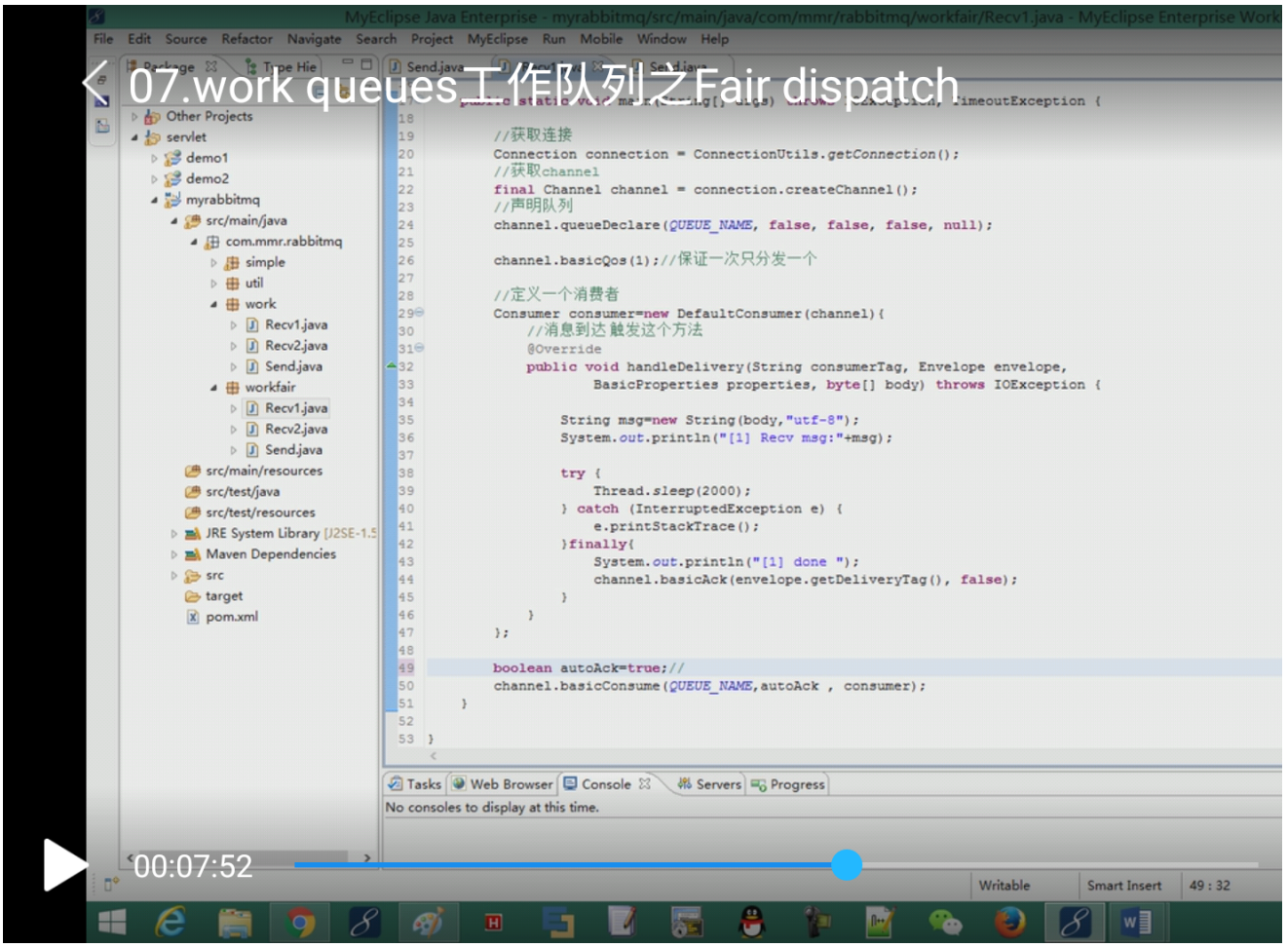
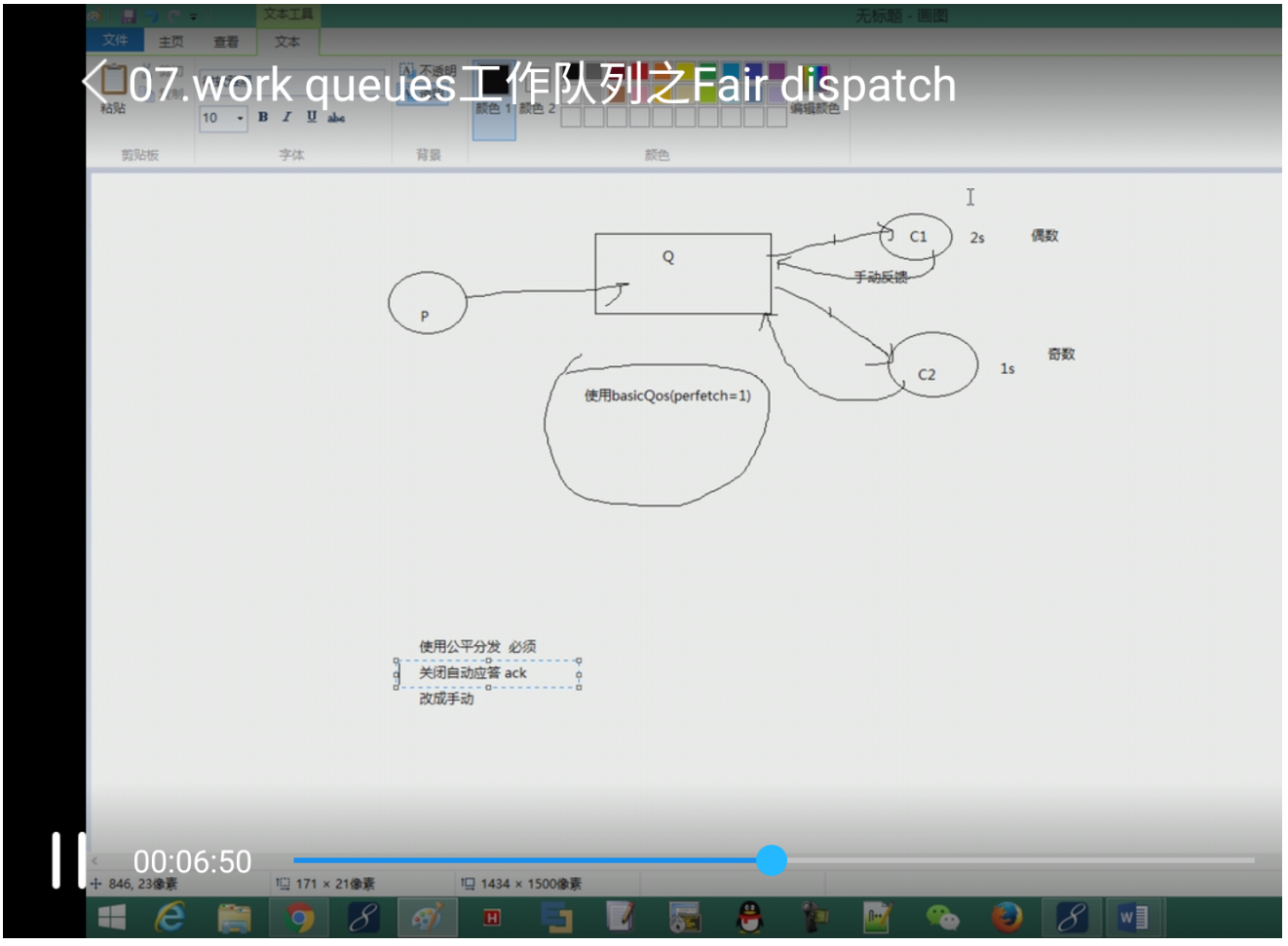
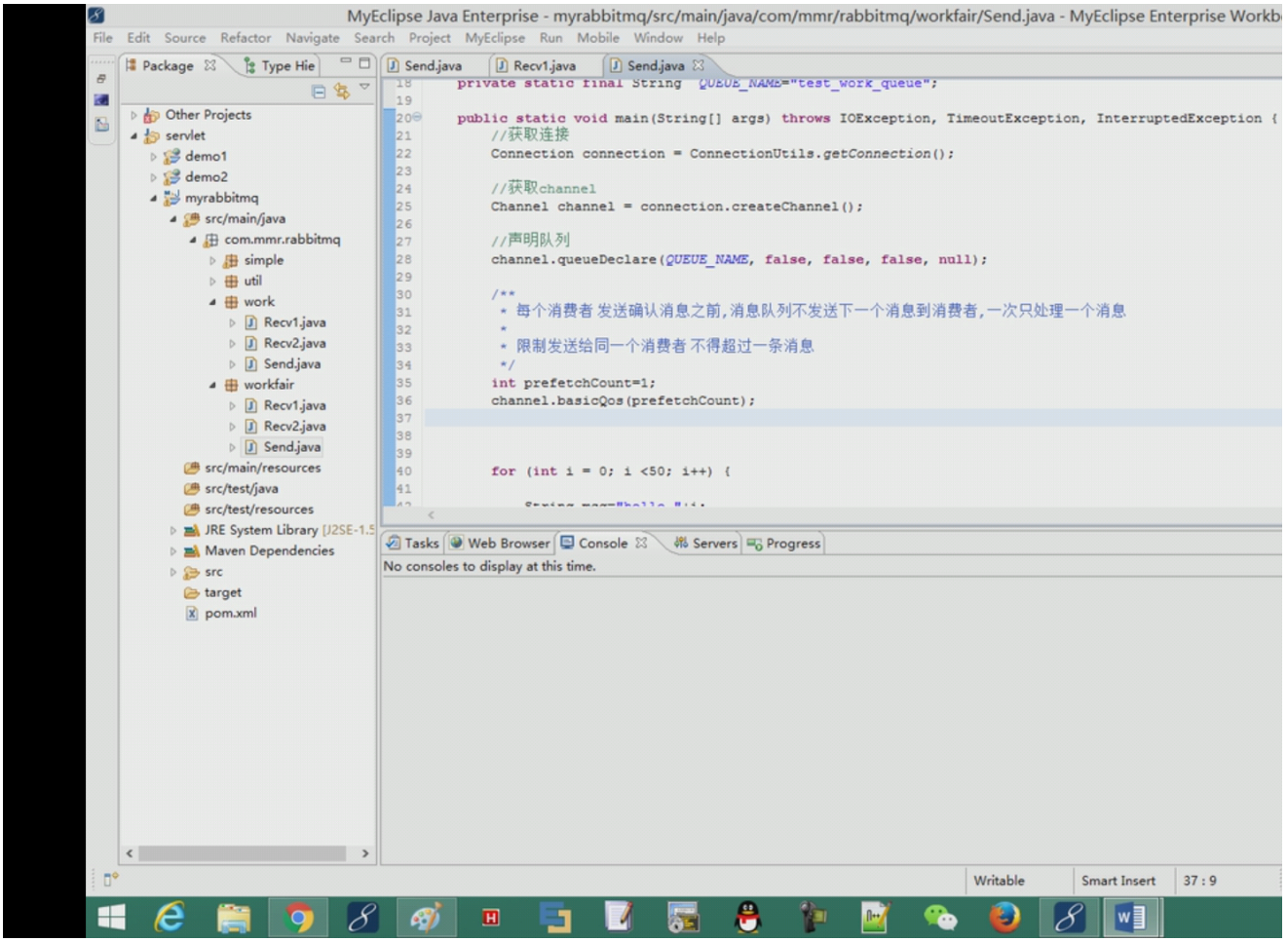
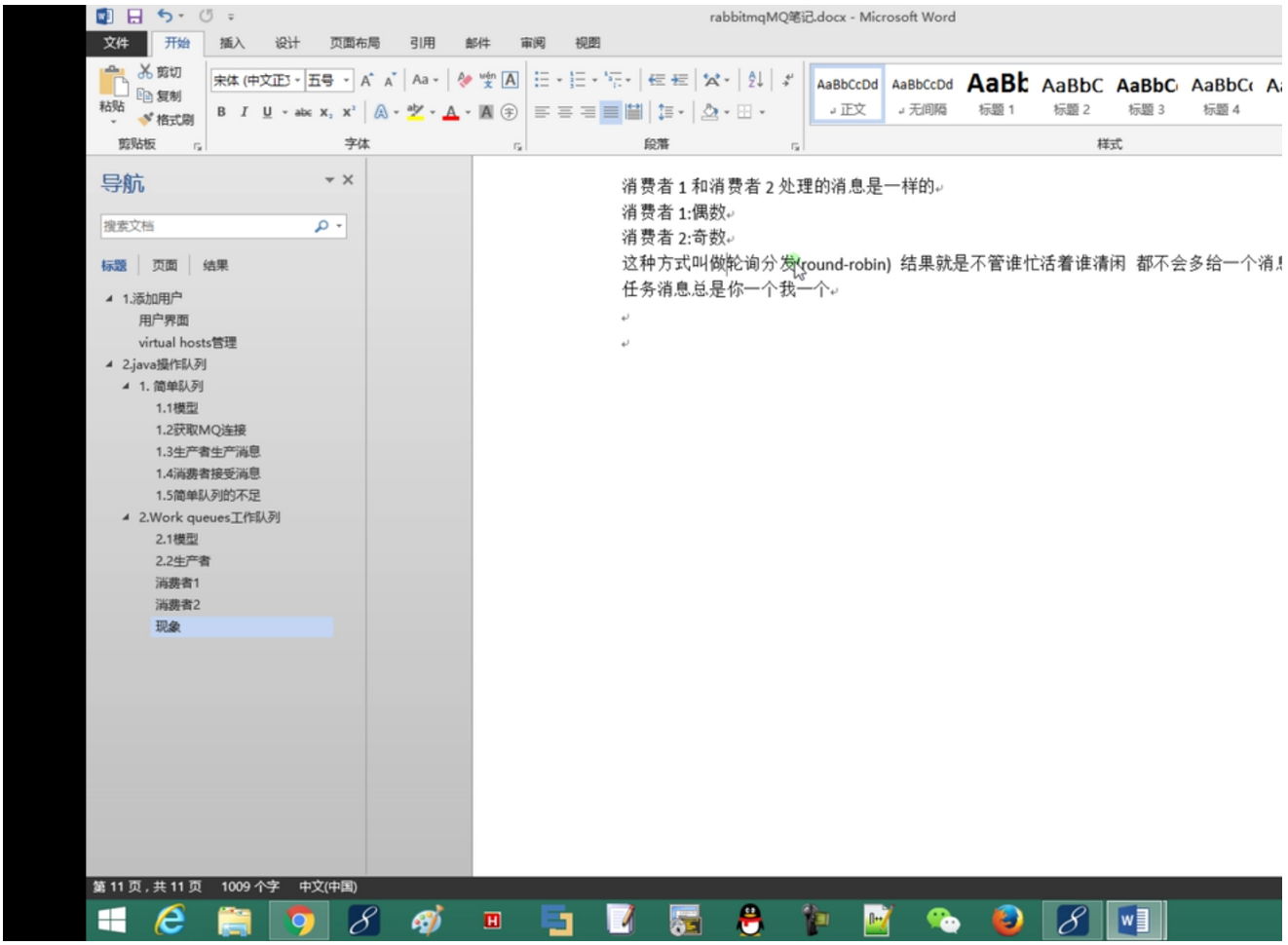
消费者1
消费者2
现象
2. 公平分发fair dipatch
模型
生产者
消费者1
消费者2
3. 消息应答与消息持久化
3. 消息应答与消息持久化
boolean autoAck=false;
channel.basicConsume(QUEUE_NAME,autoAck , consumer);
boolean autoAck=true;(自动确认模式)
00:02:17


07.work queues工作队列之Fair dispatch
MyEclipse Java Enterprise - myrabbitmq/src/main/java/com/mmr/rabbitmq/workfair/Recv2.java - MyEclipse Enterprise Work
File Edit Source Refactor Navigate Search Project MyEclipse Run Mobile Window Help
Other Projects
servlet
demo1
demo2
myrabbitmq
src/main/java
com.mmr.rabbitmq
simple
util
work
Recv1.java
Recv2.java
Send.java
workfair
Recv1.java
Recv2.java
Send.java
src/main/resources
src/test/java
src/test/resources
JRE System Library [J2SE-1.5
Maven Dependencies
src
target
pom.xml
//获取连接
Connection connection = ConnectionUtils.getConnection();
//获取channel
Channel channel = connection.createChannel();
//声明队列
channel.queueDeclare(QUEUE_NAME, false, false, false, null);
channel.basicQos(1);//保证一次只分发一个
//定义一个消费者
Consumer consumer=new DefaultConsumer(channel){
//消息到达 触发这个方法
@Override
public void handleDelivery(String consumerTag, Envelope envelope,
BasicProperties properties, byte[] body) throws IOException {
String msg=new String(body,"utf-8");
System.out.println("[2] Recv msg:"+msg);
try {
Thread.sleep(1000);
} catch (InterruptedException e) {
e.printStackTrace();
}finally{
System.out.println("[2] done ");
}
}
};
boolean autoAck=false;
channel.basicConsume(QUEUE_NAME,autoAck , consumer);
}
}
Tasks Web Browser Console Servers Progress
No consoles to display at this time.
00:08:37
Writable Smart Insert 43 : 53


07.work queues工作队列之Fair dispatch
00:07:52


07.work queues工作队列之Fair dispatch
Q
C1
2s
偶数
手动反馈
P
C2
1s
奇数
使用basicQos(perfetch=1)
使用公平分发 必须
关闭自动应答 ack
改成手动
00:06:50


MyEclipse Java Enterprise - myrabbitmq/src/main/java/com/mmr/rabbitmq/workfair/Send.java - MyEclipse Enterprise Workb
File Edit Source Refactor Navigate Search Project MyEclipse Run Mobile Window Help
Package Type Hie
Other Projects
servlet
demo1
demo2
myrabbitmq
src/main/java
com.mmr.rabbitmq
simple
util
work
Recv1.java
Recv2.java
Send.java
workfair
Recv1.java
Recv2.java
Send.java
src/main/resources
src/test/java
src/test/resources
JRE System Library [J2SE-1.5
Maven Dependencies
src
target
pom.xml
Send.java
Recv1.java
Send.java
private static final String QUEUE_NAME="test_work_queue";
public static void main(String[] args) throws IOException, TimeoutException, InterruptedException {
//获取连接
Connection connection = ConnectionUtils.getConnection();
//获取channel
Channel channel = connection.createChannel();
//声明队列
channel.queueDeclare(QUEUE_NAME, false, false, false, null);
/**
* 每个消费者 发送确认消息之前,消息队列不发送下一个消息到消费者,一次只处理一个消息
*
* 限制发送给同一个消费者 不得超过一条消息
*/
int prefetchCount=1;
channel.basicQos(prefetchCount);
for (int i = 0; i <50; i++) {
Tasks Web Browser Console Servers Progress
No consoles to display at this time.
Writable
Smart Insert
37 : 9


rabbitmqMQ笔记.docx - Microsoft Word
导航
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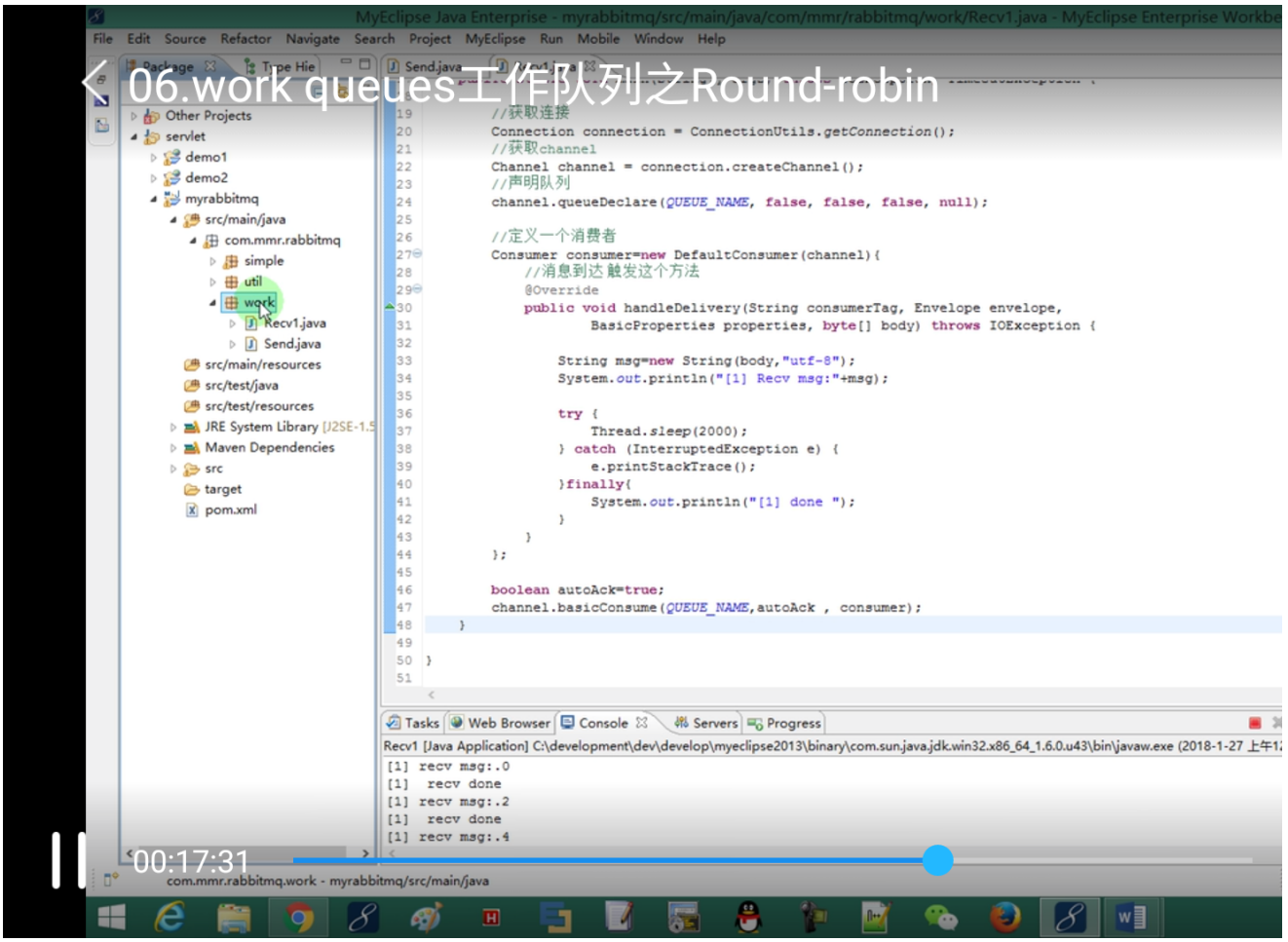
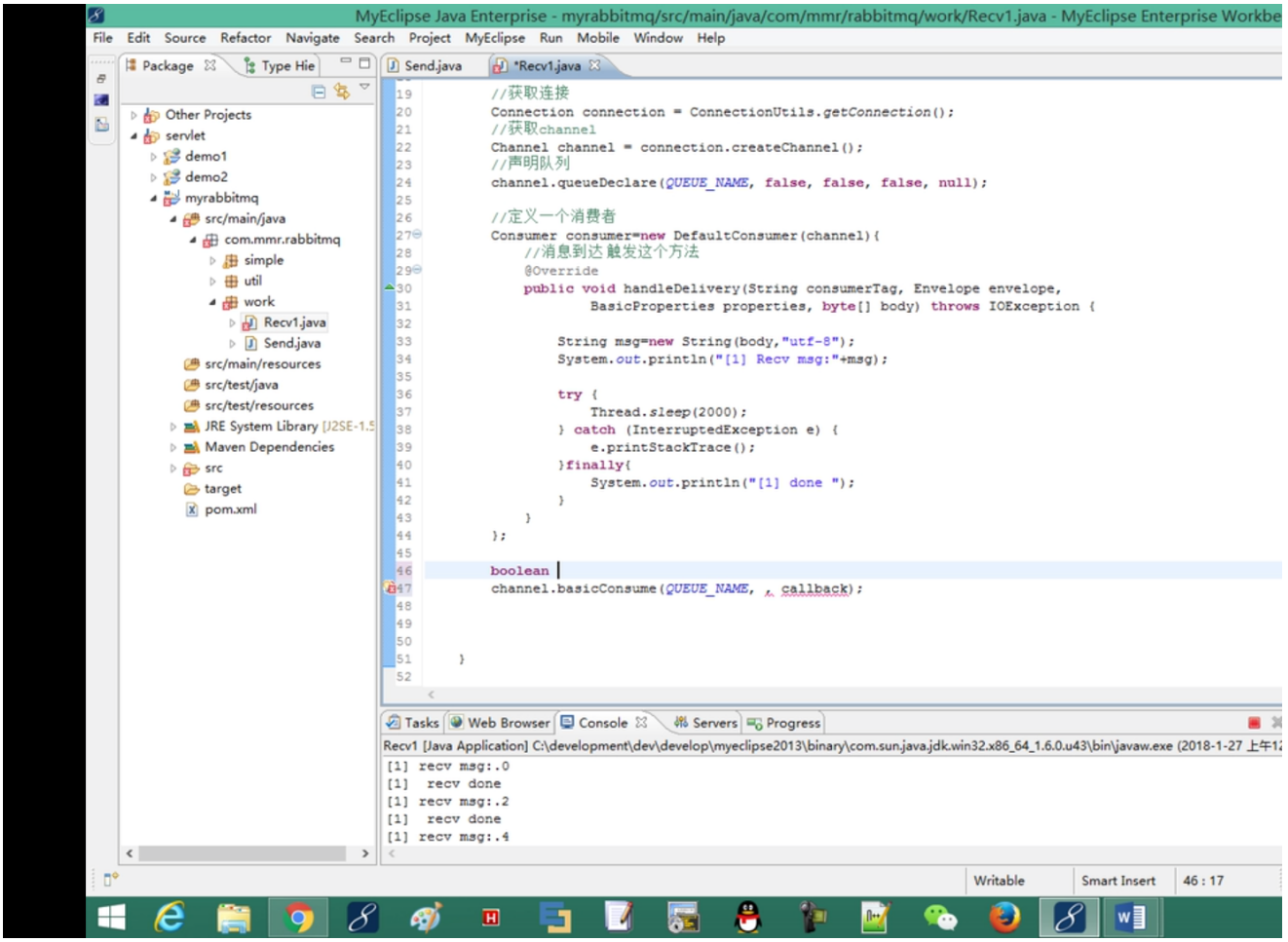
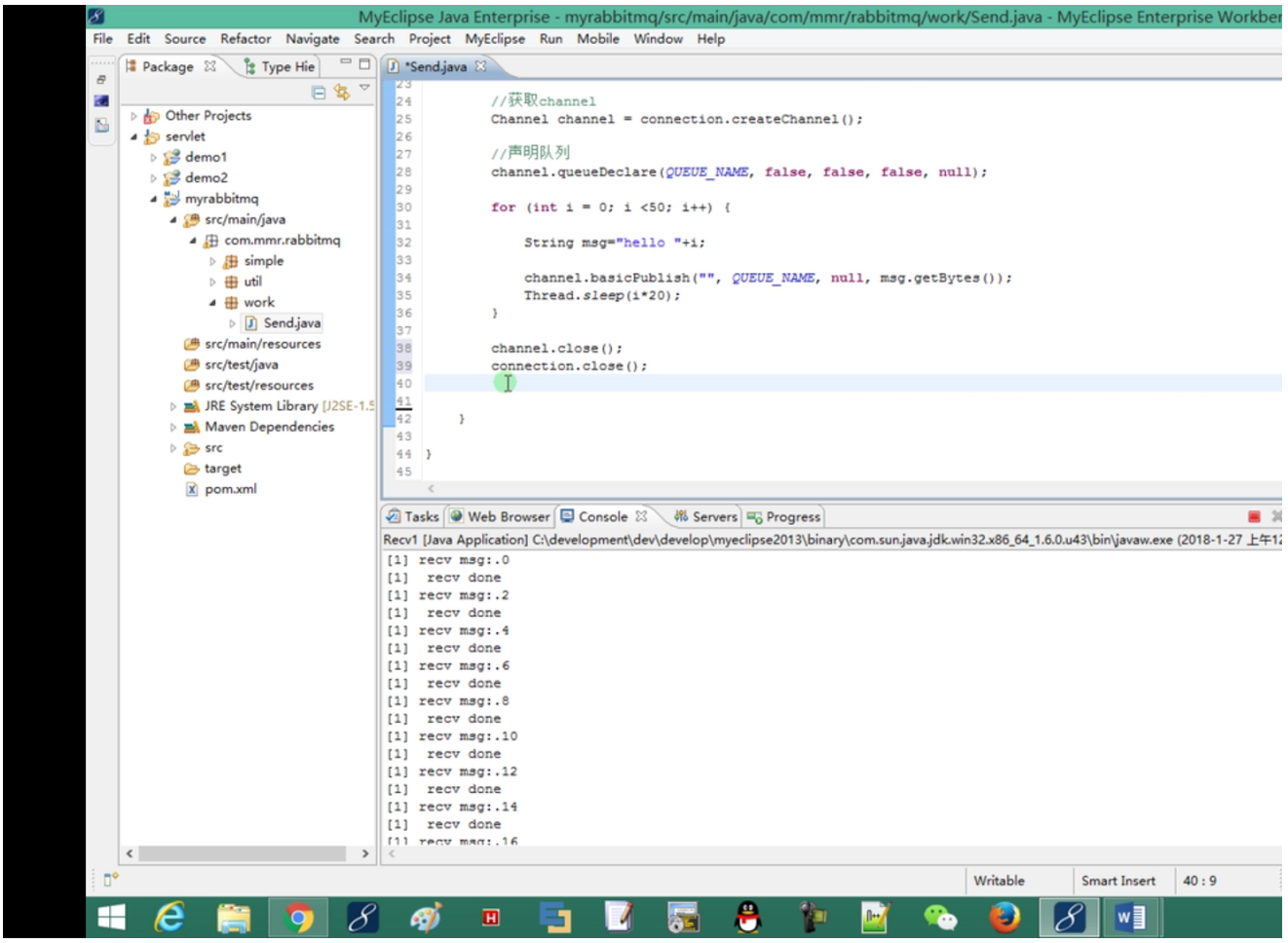
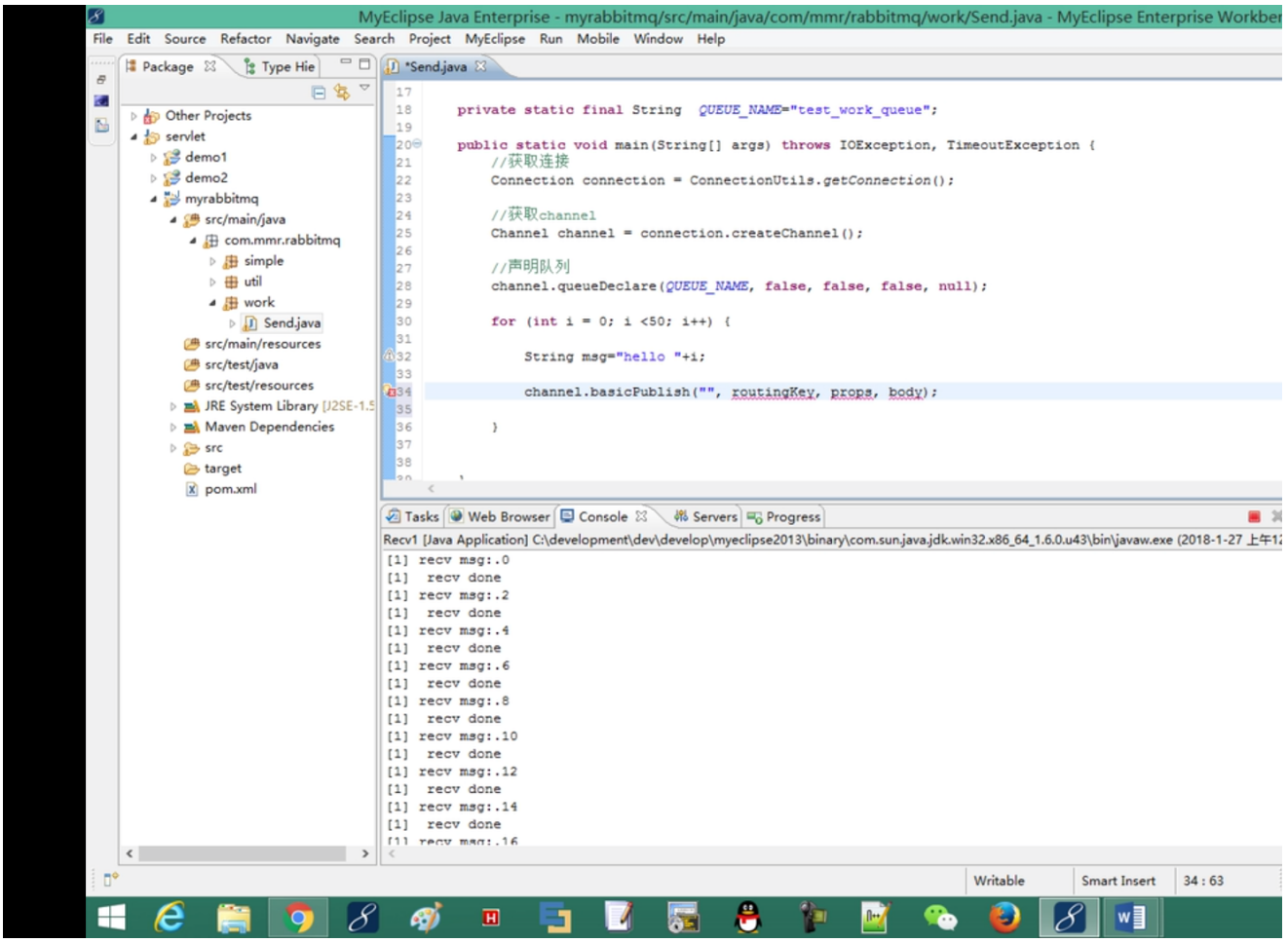
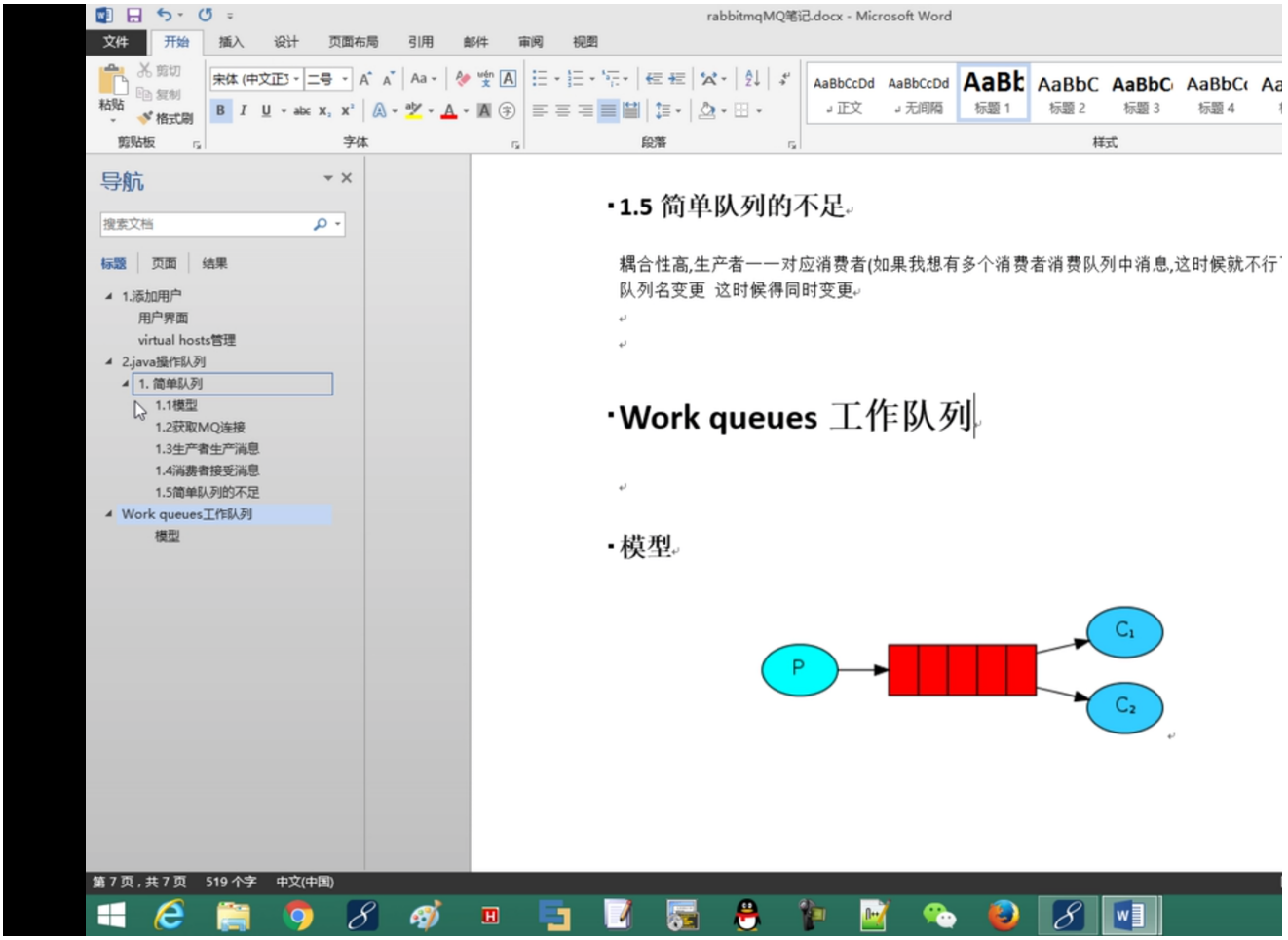
2.Work queues工作队列
2.1模型
2.2生产者
消费者1
消费者2
现象
消费者 1 和消费者 2 处理的消息是一样的。
消费者 1:偶数。
消费者 2:奇数。
这种方式叫做轮询分发(round-robin) 结果就是不管谁忙活着谁清闲 都不会多给一个消息
任务消息总是你一个我一个。
第 11 页，共 11 页 1009 个字 中文(中国)

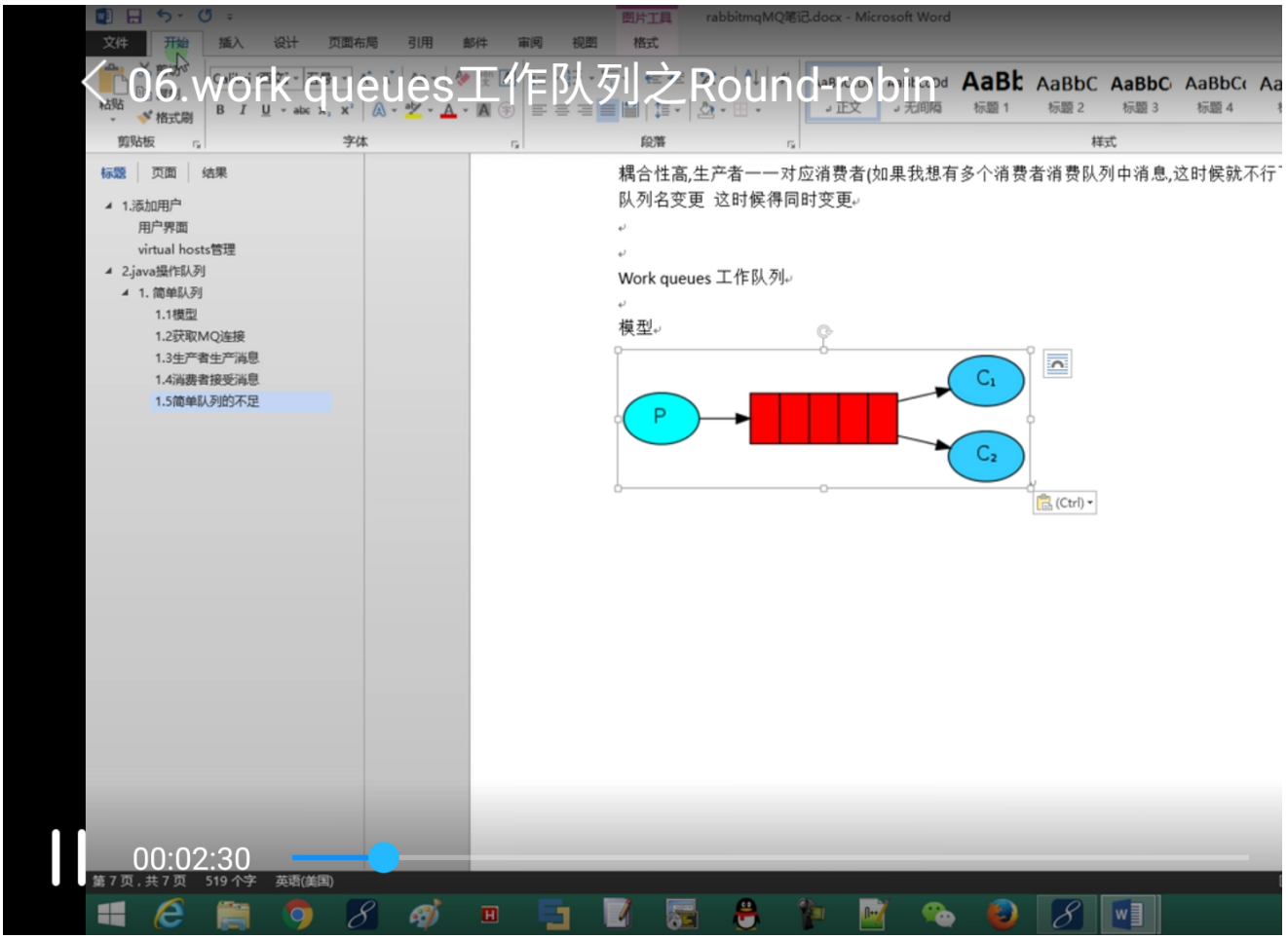

06.work queues工作队列之Round-robin
00:17:31
Other Projects
servlet
demo1
demo2
myrabbitmq
src/main/java
com.mmr.rabbitmq
simple
util
work
Recv1.java
Send.java
src/main/resources
src/test/java
src/test/resources
JRE System Library
Maven Dependencies
src
target
pom.xml
//获取连接
Connection connection = ConnectionUtils.getConnection();
//获取channel
Channel channel = connection.createChannel();
//声明队列
channel.queueDeclare(QUEUE_NAME, false, false, false, null);
//定义一个消费者
Consumer consumer=new DefaultConsumer(channel){
//消息到达 触发这个方法
@Override
public void handleDelivery(String consumerTag, Envelope envelope,
BasicProperties properties, byte[] body) throws IOException {
String msg=new String(body,"utf-8");
System.out.println("[1] Recv msg:"+msg);
try {
Thread.sleep(2000);
} catch (InterruptedException e) {
e.printStackTrace();
}finally{
System.out.println("[1] done ");
}
}
};
boolean autoAck=true;
channel.basicConsume(QUEUE_NAME,autoAck , consumer);
}
}
Tasks
Web Browser
Console
Servers
Progress
[1] recv msg:.0
[1] recv done
[1] recv msg:.2
[1] recv done
[1] recv msg:.4
com.mmr.rabbitmq.work - myrabbitmq/src/main/java

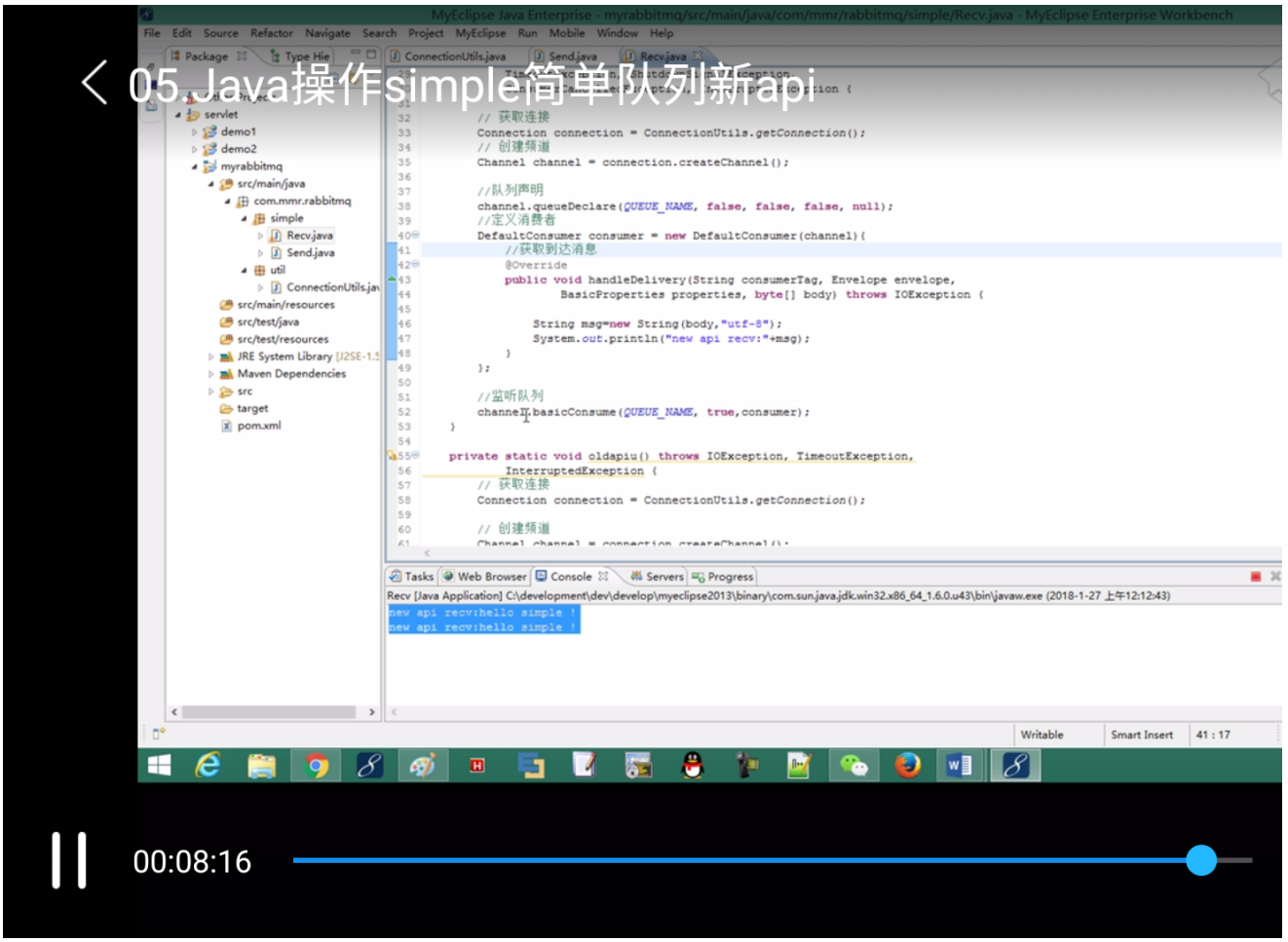

MyEclipse Java Enterprise - myrabbitmq/src/main/java/com/mmr/rabbitmq/work/Recv1.java - MyEclipse Enterprise Workbe
File Edit Source Refactor Navigate Search Project MyEclipse Run Mobile Window Help
Package Type Hie
Other Projects
servlet
demo1
demo2
myrabbitmq
src/main/java
com.mmr.rabbitmq
simple
util
work
Recv1.java
Send.java
src/main/resources
src/test/java
src/test/resources
JRE System Library [J2SE-1.5
Maven Dependencies
src
target
pom.xml
Send.java
*Recv1.java
//获取连接
Connection connection = ConnectionUtils.getConnection();
//获取channel
Channel channel = connection.createChannel();
//声明队列
channel.queueDeclare(QUEUE_NAME, false, false, false, null);
//定义一个消费者
Consumer consumer=new DefaultConsumer(channel){
//消息到达 触发这个方法
@Override
public void handleDelivery(String consumerTag, Envelope envelope,
BasicProperties properties, byte[] body) throws IOException {
String msg=new String(body,"utf-8");
System.out.println("[1] Recv msg:"+msg);
try {
Thread.sleep(2000);
} catch (InterruptedException e) {
e.printStackTrace();
}finally{
System.out.println("[1] done ");
}
}
};
boolean
channel.basicConsume(QUEUE_NAME, , callback);
}
Tasks Web Browser Console Servers Progress
Recv1 [Java Application] C:\development\dev\develop\myeclipse2013\binary\com.sun.java.jdk.win32.x86_64_1.6.0.u43\bin\javaw.exe (2018-1-27 上午1
[1] recv msg:.0
[1] recv done
[1] recv msg:.2
[1] recv done
[1] recv msg:.4
Writable
Smart Insert
46 : 17

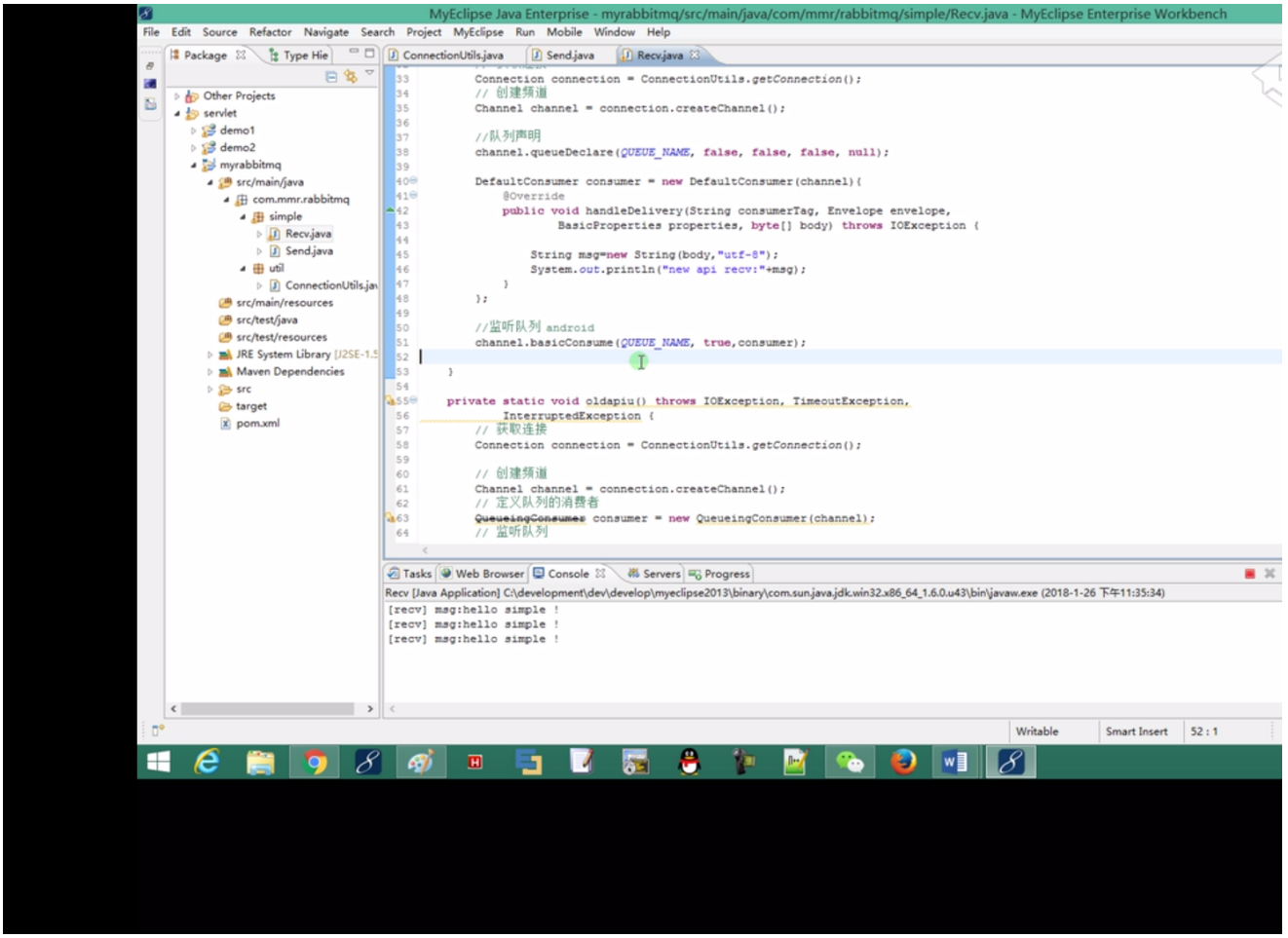

MyEclipse Java Enterprise - myrabbitmq/src/main/java/com/mmr/rabbitmq/work/Send.java - MyEclipse Enterprise Workbe
File Edit Source Refactor Navigate Search Project MyEclipse Run Mobile Window Help
Package Type Hie
Other Projects
servlet
demo1
demo2
myrabbitmq
src/main/java
com.mmr.rabbitmq
simple
util
work
Send.java
src/main/resources
src/test/java
src/test/resources
JRE System Library [J2SE-1.5
Maven Dependencies
src
target
pom.xml
*Send.java
//获取channel
Channel channel = connection.createChannel();
//声明队列
channel.queueDeclare(QUEUE_NAME, false, false, false, null);
for (int i = 0; i <50; i++) {
String msg="hello "+i;
channel.basicPublish("", QUEUE_NAME, null, msg.getBytes());
Thread.sleep(i*20);
}
channel.close();
connection.close();
}
}
Tasks Web Browser Console Servers Progress
Recv1 [Java Application] C:\development\dev\develop\myeclipse2013\binary\com.sun.java.jdk.win32.x86_64_1.6.0.u43\bin\javaw.exe (2018-1-27 上午12
[1] recv msg:.0
[1] recv done
[1] recv msg:.2
[1] recv done
[1] recv msg:.4
[1] recv done
[1] recv msg:.6
[1] recv done
[1] recv msg:.8
[1] recv done
[1] recv msg:.10
[1] recv done
[1] recv msg:.12
[1] recv done
[1] recv msg:.14
[1] recv done
Writable
Smart Insert
40 : 9

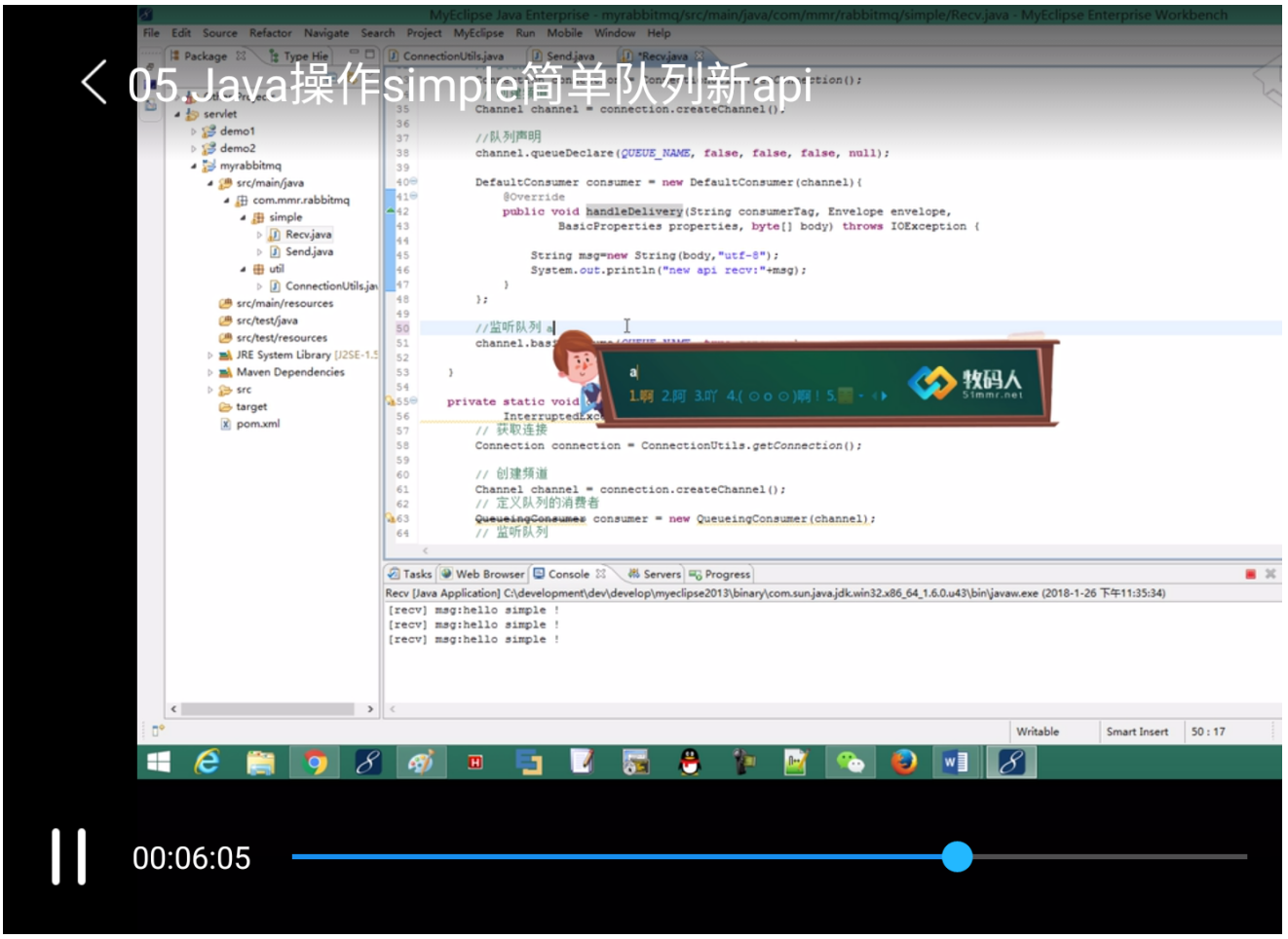

MyEclipse Java Enterprise - myrabbitmq/src/main/java/com/mmr/rabbitmq/work/Send.java - MyEclipse Enterprise Workbe
File Edit Source Refactor Navigate Search Project MyEclipse Run Mobile Window Help
Package Type Hie
Other Projects
servlet
demo1
demo2
myrabbitmq
src/main/java
com.mmr.rabbitmq
simple
util
work
Send.java
src/main/resources
src/test/java
src/test/resources
JRE System Library [J2SE-1.5
Maven Dependencies
src
target
pom.xml
*Send.java
private static final String QUEUE_NAME="test_work_queue";
public static void main(String[] args) throws IOException, TimeoutException {
//获取连接
Connection connection = ConnectionUtils.getConnection();
//获取channel
Channel channel = connection.createChannel();
//声明队列
channel.queueDeclare(QUEUE_NAME, false, false, false, null);
for (int i = 0; i <50; i++) {
String msg="hello "+i;
channel.basicPublish("", routingKey, props, body);
}
Tasks Web Browser Console Servers Progress
Recv1 [Java Application] C:\development\dev\develop\myeclipse2013\binary\com.sun.java.jdk.win32.x86_64_1.6.0.u43\bin\javaw.exe (2018-1-27 上午12
[1] recv msg:.0
[1] recv done
[1] recv msg:.2
[1] recv done
[1] recv msg:.4
[1] recv done
[1] recv msg:.6
[1] recv done
[1] recv msg:.8
[1] recv done
[1] recv msg:.10
[1] recv done
[1] recv msg:.12
[1] recv done
[1] recv msg:.14
[1] recv done
Writable
Smart Insert
34 : 63

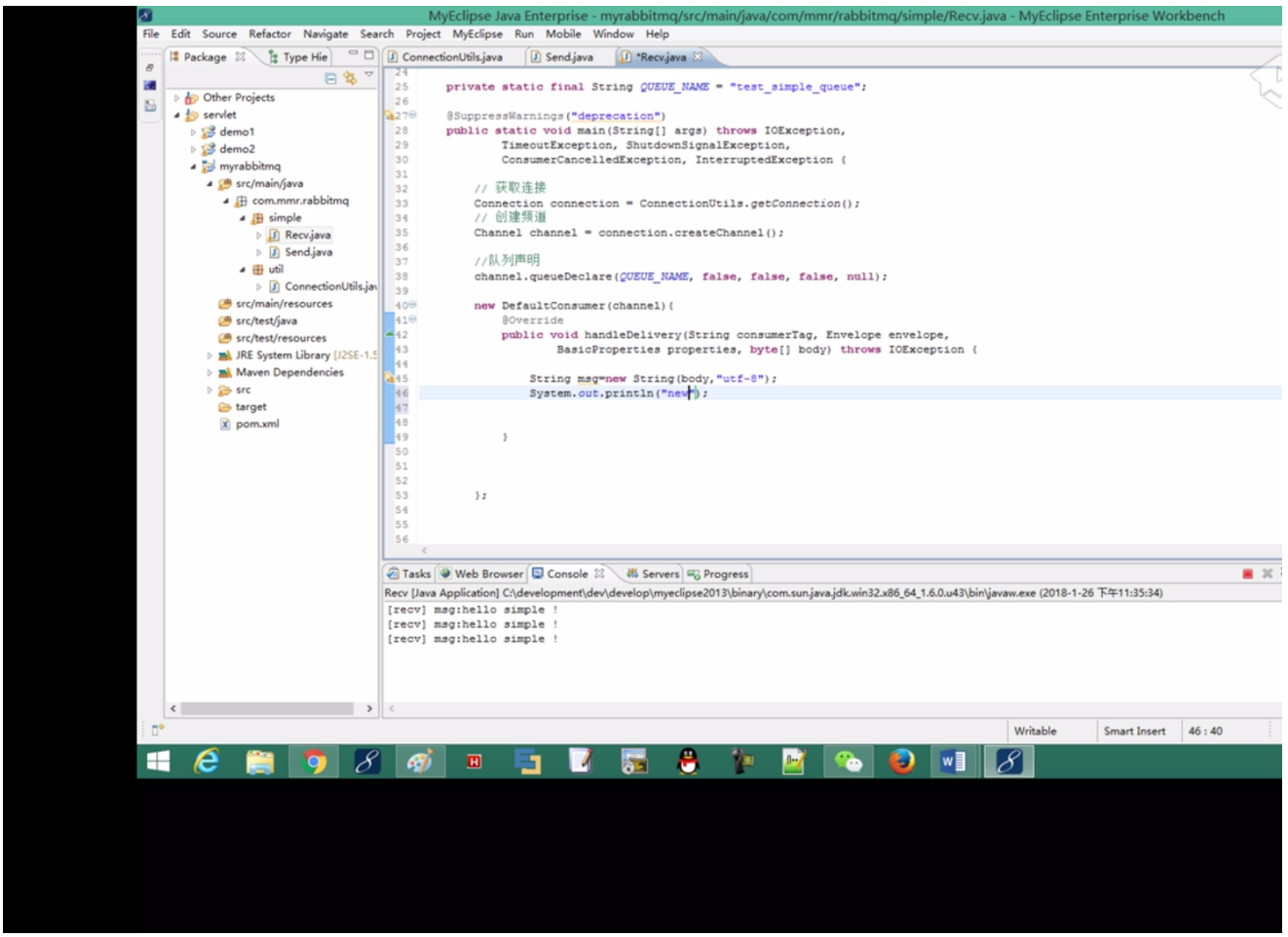

rabbitmqMQ笔记.docx - Microsoft Word
文件
开始
插入
设计
页面布局
引用
邮件
审阅
视图
导航
搜索文档
标题
页面
结果
1.添加用户
用户界面
virtual hosts管理
2.java操作队列
1. 简单队列
1.1模型
1.2获取MQ连接
1.3生产者生产消息
1.4消费者接受消息
1.5简单队列的不足
Work queues工作队列
模型
·1.5 简单队列的不足
耦合性高,生产者一一对应消费者(如果我想有多个消费者消费队列中消息,这时候就不行
队列名变更 这时候得同时变更
·Work queues 工作队列
·模型
P
C1
C2
第 7 页，共 7 页 519 个字 中文(中国)

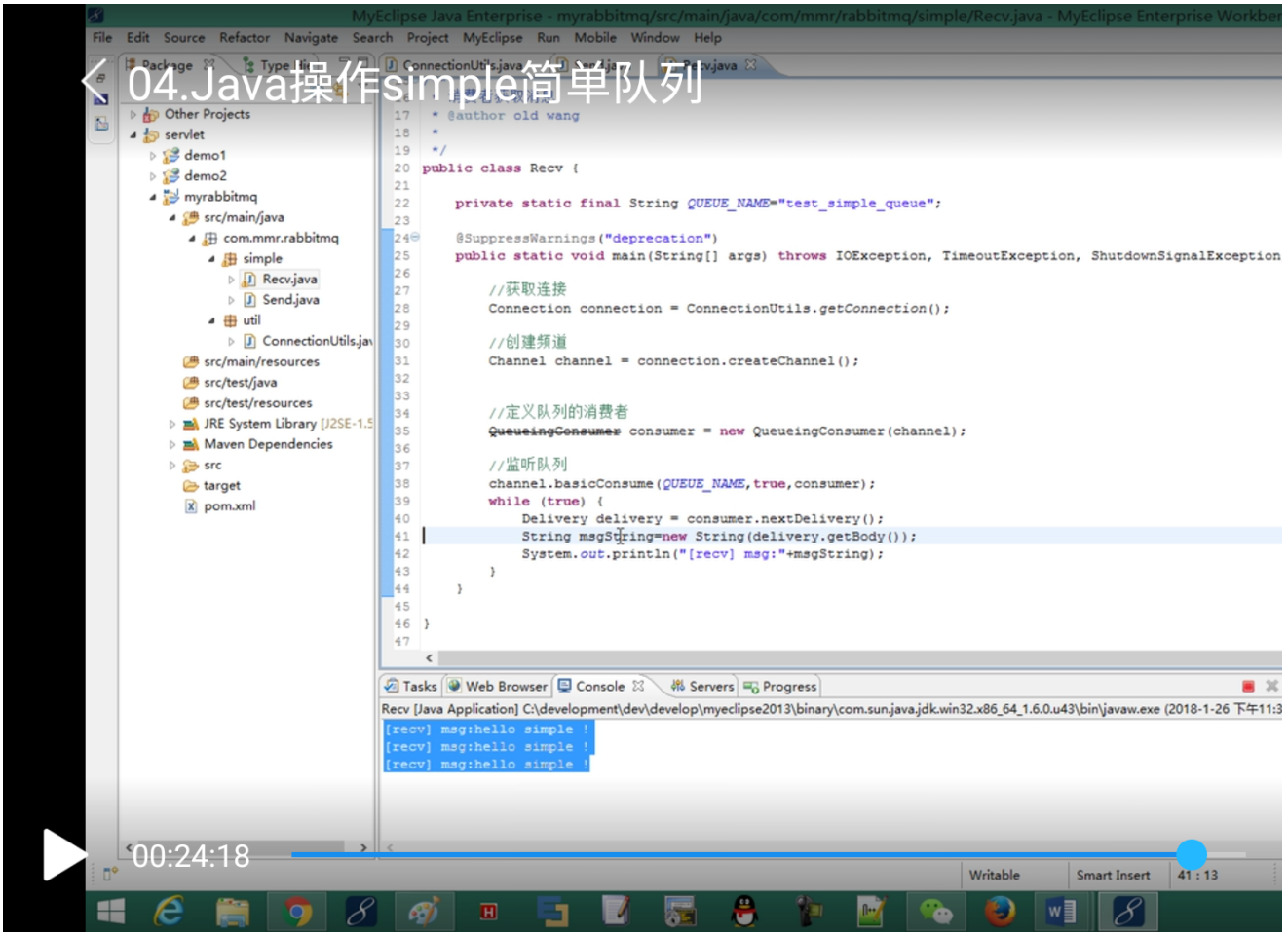

06.work queues工作队列之Round-robin
rabbitmqMQ笔记.docx - Microsoft Word
1.添加用户
用户界面
virtual hosts管理
2.java操作队列
1. 简单队列
1.1模型
1.2获取MQ连接
1.3生产者生产消息
1.4消费者接受消息
1.5简单队列的不足
耦合性高,生产者一一对应消费者(如果我想有多个消费者消费队列中消息,这时候就不行
队列名变更 这时候得同时变更。
Work queues 工作队列。
模型。
P
C1
C2
00:02:30

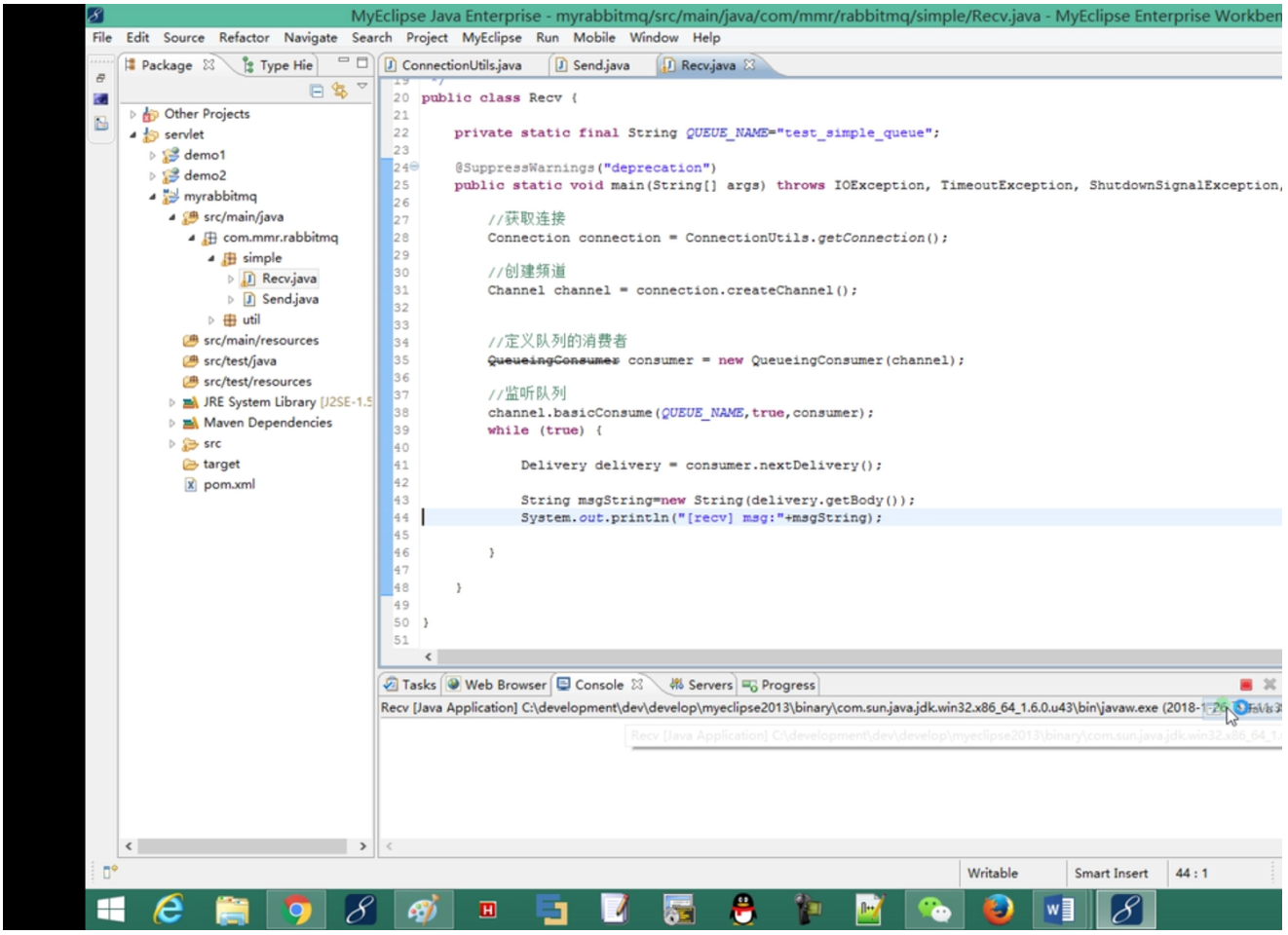

05.Java操作simple简单队列新api
MyEclipse Java Enterprise - myrabbitmq/src/main/java/com/mmr/rabbitmq/simple/Recv.java - MyEclipse Enterprise Workbench
servlet
demo1
demo2
myrabbitmq
src/main/java
com.mmr.rabbitmq
simple
Recv.java
Send.java
util
ConnectionUtils.ja
src/main/resources
src/test/java
src/test/resources
JRE System Library [J2SE-1.5
Maven Dependencies
src
target
pom.xml
// 获取连接
Connection connection = ConnectionUtils.getConnection();
// 创建频道
Channel channel = connection.createChannel();
//队列声明
channel.queueDeclare(QUEUE_NAME, false, false, false, null);
//定义消费者
DefaultConsumer consumer = new DefaultConsumer(channel){
//获取到达消息
@Override
public void handleDelivery(String consumerTag, Envelope envelope,
BasicProperties properties, byte[] body) throws IOException {
String msg=new String(body,"utf-8");
System.out.println("new api recv:"+msg);
};
//监听队列
channel.basicConsume(QUEUE_NAME, true,consumer);
private static void oldapiu() throws IOException, TimeoutException,
InterruptedException {
// 获取连接
Connection connection = ConnectionUtils.getConnection();
// 创建频道
Tasks
Web Browser
Console
Servers
Progress
Recv [Java Application] C:\development\dev\develop\myeclipse2013\binary\com.sun.java.jdk.win32.x86_64_1.6.0.u43\bin\javaw.exe (2018-1-27 上午12:12:43)
new api recv:hello simple !
new api recv:hello simple !
Writable
Smart Insert
41 : 17
00:08:16

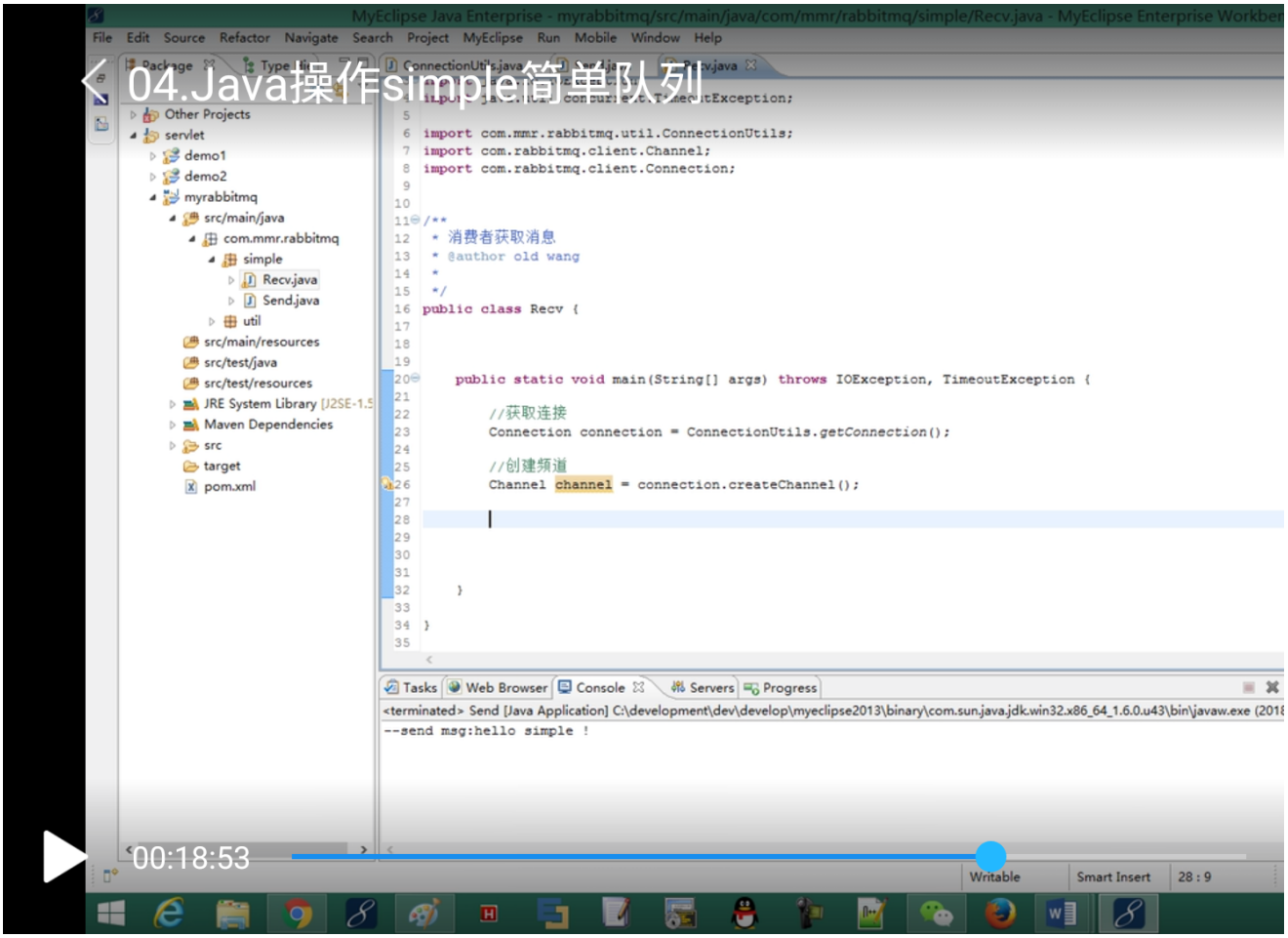

MyEclipse Java Enterprise - myrabbitmq/src/main/java/com/mmr/rabbitmq/simple/Recv.java - MyEclipse Enterprise Workbench
File Edit Source Refactor Navigate Search Project MyEclipse Run Mobile Window Help
Package Explorer
Type Hie
Other Projects
servlet
demo1
demo2
myrabbitmq
src/main/java
com.mmr.rabbitmq
simple
Recv.java
Send.java
util
ConnectionUtils.jav
src/main/resources
src/test/java
src/test/resources
JRE System Library [J2SE-1.5
Maven Dependencies
src
target
pom.xml
ConnectionUtils.java
Send.java
Recv.java
Connection connection = ConnectionUtils.getConnection();
// 创建频道
Channel channel = connection.createChannel();
//队列声明
channel.queueDeclare(QUEUE_NAME, false, false, false, null);
DefaultConsumer consumer = new DefaultConsumer(channel){
@Override
public void handleDelivery(String consumerTag, Envelope envelope,
BasicProperties properties, byte[] body) throws IOException {
String msg=new String(body,"utf-8");
System.out.println("new api recv:"+msg);
}
};
//监听队列 android
channel.basicConsume(QUEUE_NAME, true,consumer);
}
private static void oldapiu() throws IOException, TimeoutException,
InterruptedException {
// 获取连接
Connection connection = ConnectionUtils.getConnection();
// 创建频道
Channel channel = connection.createChannel();
// 定义队列的消费者
QueueingConsumer consumer = new QueueingConsumer(channel);
// 监听队列
Tasks Web Browser Console Servers Progress
Recv [Java Application] C:\development\dev\develop\myeclipse2013\binary\com.sun.java.jdk.win32.x86_64_1.6.0.u43\bin\javaw.exe (2018-1-26 下午11:35:34)
[recv] msg:hello simple !
[recv] msg:hello simple !
[recv] msg:hello simple !
Writable
Smart Insert
52 : 1

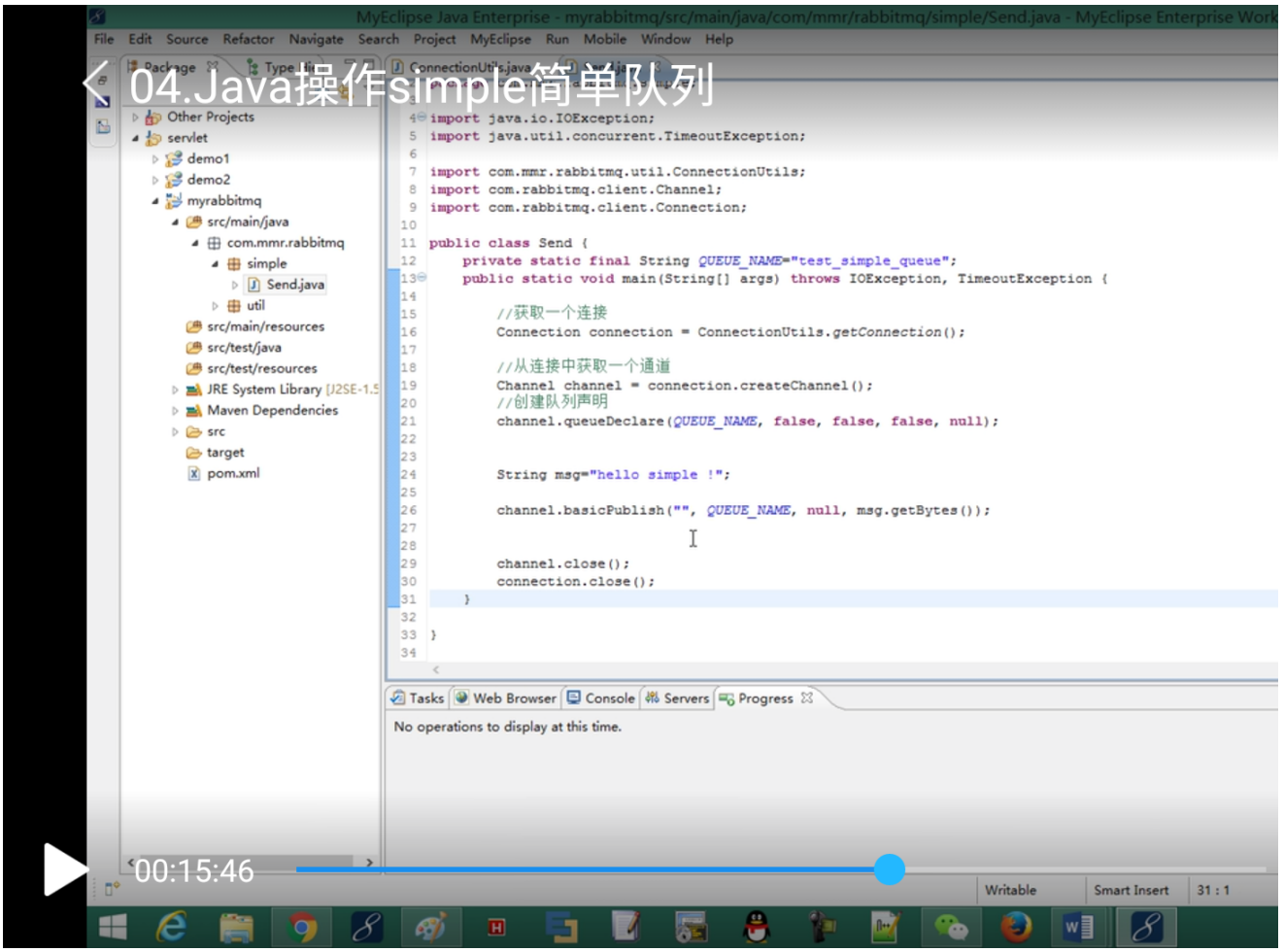

05.Java操作simple简单队列新api
MyEclipse Java Enterprise - myrabbitmq/src/main/java/com/mmr/rabbitmq/simple/Recv.java - MyEclipse Enterprise Workbench
File Edit Source Refactor Navigate Search Project MyEclipse Run Mobile Window Help
Package Explorer
servlet
demo1
demo2
myrabbitmq
src/main/java
com.mmr.rabbitmq
simple
Recv.java
Send.java
util
ConnectionUtils.java
src/main/resources
src/test/java
src/test/resources
JRE System Library [J2SE-1.5]
Maven Dependencies
src
target
pom.xml
ConnectionUtils.java
Send.java
*Recv.java
Channel channel = connection.createChannel();
//队列声明
channel.queueDeclare(QUEUE_NAME, false, false, false, null);
DefaultConsumer consumer = new DefaultConsumer(channel){
@Override
public void handleDelivery(String consumerTag, Envelope envelope,
BasicProperties properties, byte[] body) throws IOException {
String msg=new String(body,"utf-8");
System.out.println("new api recv:"+msg);
};
//监听队列 a
channel.basi
}
private static void
InterruptedExc
// 获取连接
Connection connection = ConnectionUtils.getConnection();
// 创建频道
Channel channel = connection.createChannel();
// 定义队列的消费者
QueueingConsumer consumer = new QueueingConsumer(channel);
// 监听队列
Tasks Web Browser Console Servers Progress
Recv [Java Application] C:\development\dev\develop\myeclipse2013\binary\com.sun.java.jdk.win32.x86_64_1.6.0.u43\bin\javaw.exe (2018-1-26 下午11:35:34)
[recv] msg:hello simple !
[recv] msg:hello simple !
[recv] msg:hello simple !
Writable
Smart Insert
50 : 17
00:06:05

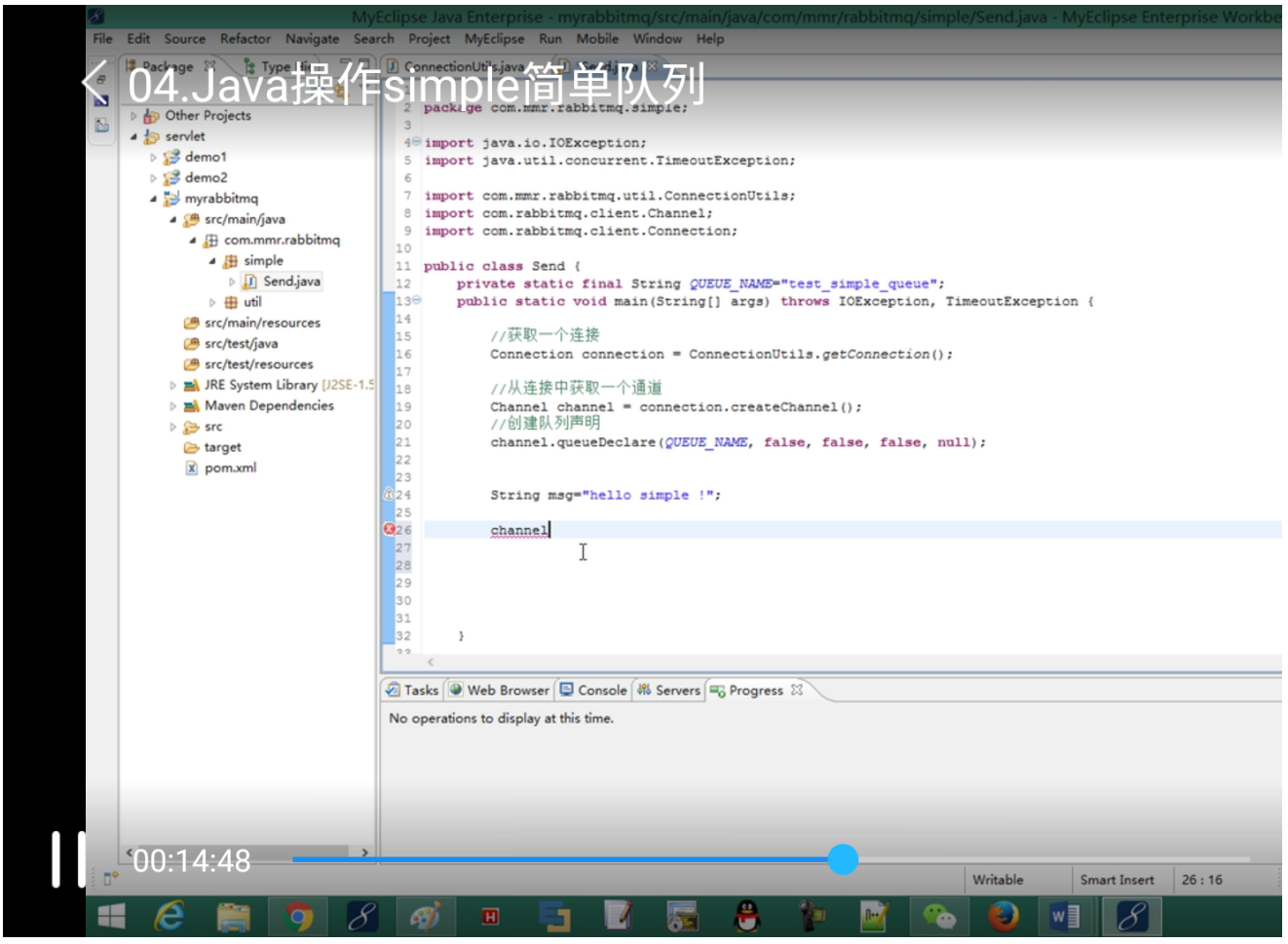

MyEclipse Java Enterprise - myrabbitmq/src/main/java/com/mmr/rabbitmq/simple/Recv.java - MyEclipse Enterprise Workbench
File Edit Source Refactor Navigate Search Project MyEclipse Run Mobile Window Help
Package Explorer
Other Projects
servlet
demo1
demo2
myrabbitmq
src/main/java
com.mmr.rabbitmq
simple
Recv.java
Send.java
util
ConnectionUtils.java
src/main/resources
src/test/java
src/test/resources
JRE System Library [J2SE-1.5]
Maven Dependencies
src
target
pom.xml
ConnectionUtils.java
Send.java
*Recv.java
private static final String QUEUE_NAME = "test_simple_queue";
@SuppressWarnings("deprecation")
public static void main(String[] args) throws IOException,
TimeoutException, ShutdownSignalException,
ConsumerCancelledException, InterruptedException {
// 获取连接
Connection connection = ConnectionUtils.getConnection();
// 创建频道
Channel channel = connection.createChannel();
//队列声明
channel.queueDeclare(QUEUE_NAME, false, false, false, null);
new DefaultConsumer(channel){
@Override
public void handleDelivery(String consumerTag, Envelope envelope,
BasicProperties properties, byte[] body) throws IOException {
String msg=new String(body,"utf-8");
System.out.println("new");
};
Tasks Web Browser Console Servers Progress
Recv [Java Application] C:\development\dev\develop\myeclipse2013\binary\com.sun.java.jdk.win32.x86_64_1.6.0.u43\bin\javaw.exe (2018-1-26 下午11:35:34)
[recv] msg:hello simple !
[recv] msg:hello simple !
[recv] msg:hello simple !
Writable
Smart Insert
46 : 40

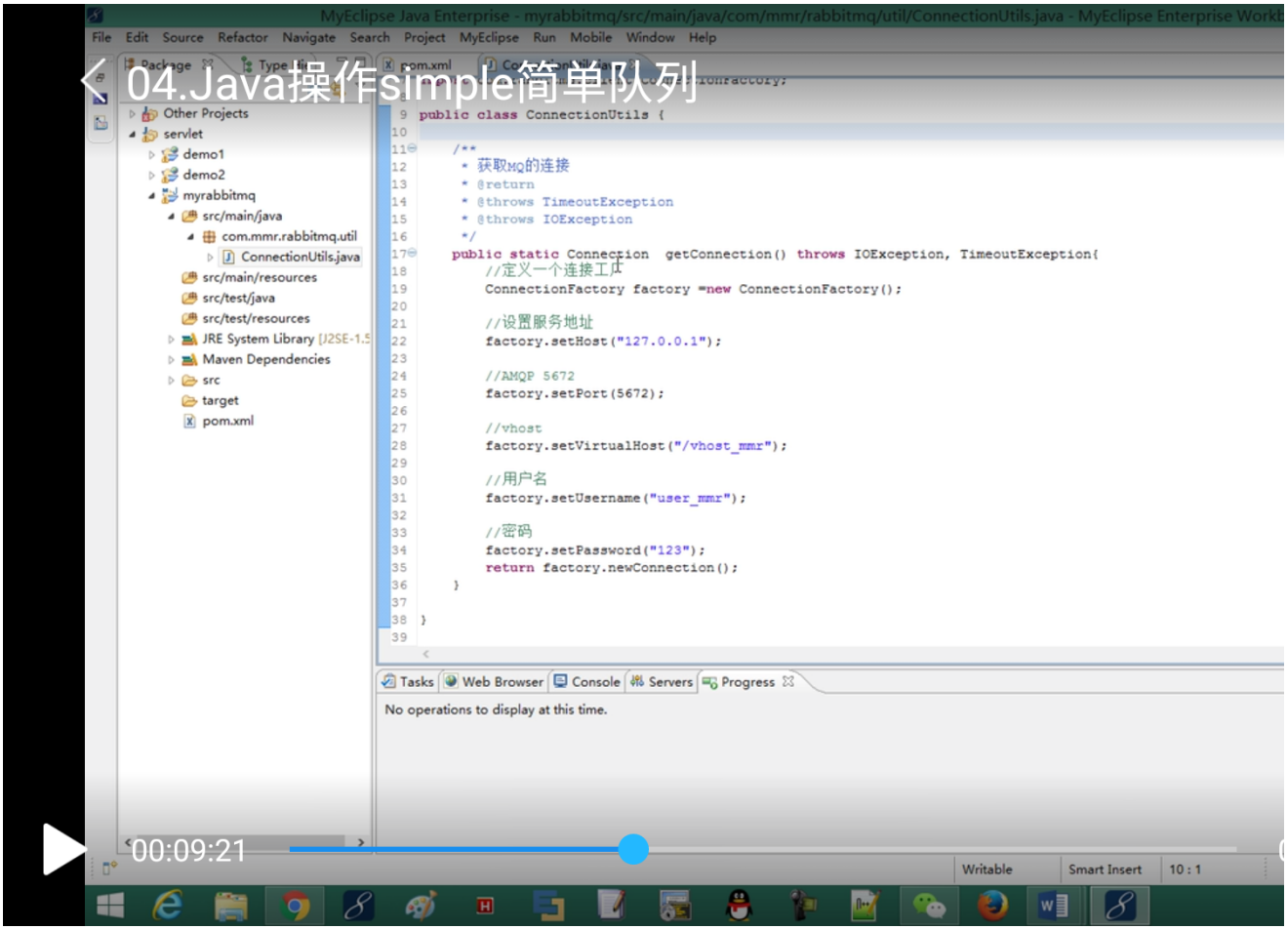

04.Java操作simple简单队列
00:24:18
MyEclipse Java Enterprise - myrabbitmq/src/main/java/com/mmr/rabbitmq/simple/Recv.java - MyEclipse Enterprise Workbench
File Edit Source Refactor Navigate Search Project MyEclipse Run Mobile Window Help
Other Projects
servlet
demo1
demo2
myrabbitmq
src/main/java
com.mmr.rabbitmq
simple
Recv.java
Send.java
util
ConnectionUtils.java
src/main/resources
src/test/java
src/test/resources
JRE System Library [J2SE-1.5]
Maven Dependencies
src
target
pom.xml
* @author old wang
*
*/
public class Recv {
private static final String QUEUE_NAME="test_simple_queue";
@SuppressWarnings("deprecation")
public static void main(String[] args) throws IOException, TimeoutException, ShutdownSignalException
//获取连接
Connection connection = ConnectionUtils.getConnection();
//创建频道
Channel channel = connection.createChannel();
//定义队列的消费者
QueueingConsumer consumer = new QueueingConsumer(channel);
//监听队列
channel.basicConsume(QUEUE_NAME,true,consumer);
while (true) {
Delivery delivery = consumer.nextDelivery();
String msgString=new String(delivery.getBody());
System.out.println("[recv] msg:"+msgString);
}
}
}
Tasks Web Browser Console Servers Progress
Recv [Java Application] C:\development\dev\develop\myeclipse2013\binary\com.sun.java.jdk.win32.x86_64_1.6.0.u43\bin\javaw.exe (2018-1-26 下午11:3
[recv] msg:hello simple !
[recv] msg:hello simple !
[recv] msg:hello simple !
Writable
Smart Insert
41 : 13

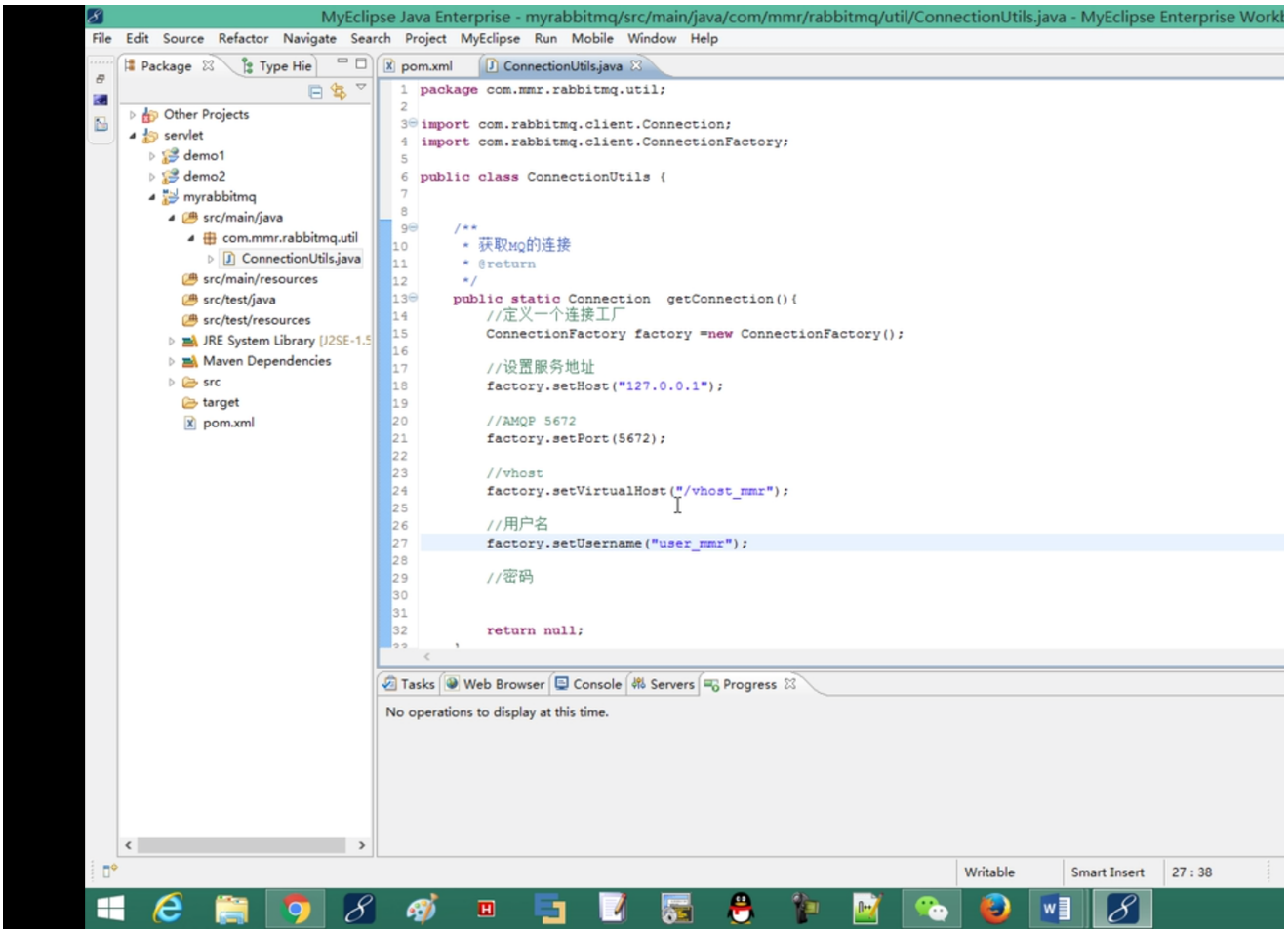

MyEclipse Java Enterprise - myrabbitmq/src/main/java/com/mmr/rabbitmq/simple/Recv.java - MyEclipse Enterprise Workbench
File Edit Source Refactor Navigate Search Project MyEclipse Run Mobile Window Help
Package
Type Hie
ConnectionUtils.java
Send.java
Recv.java
Other Projects
servlet
demo1
demo2
myrabbitmq
src/main/java
com.mmr.rabbitmq
simple
Recv.java
Send.java
util
src/main/resources
src/test/java
src/test/resources
JRE System Library [J2SE-1.5]
Maven Dependencies
src
target
pom.xml
public class Recv {
private static final String QUEUE_NAME="test_simple_queue";
@SuppressWarnings("deprecation")
public static void main(String[] args) throws IOException, TimeoutException, ShutdownSignalException,
//获取连接
Connection connection = ConnectionUtils.getConnection();
//创建频道
Channel channel = connection.createChannel();
//定义队列的消费者
QueueingConsumer consumer = new QueueingConsumer(channel);
//监听队列
channel.basicConsume(QUEUE_NAME,true,consumer);
while (true) {
Delivery delivery = consumer.nextDelivery();
String msgString=new String(delivery.getBody());
System.out.println("[recv] msg:"+msgString);
}
}
}
Tasks Web Browser Console Servers Progress
Recv [Java Application] C:\development\dev\develop\myeclipse2013\binary\com.sun.java.jdk.win32.x86_64_1.6.0.u43\bin\javaw.exe (2018-1-26
Writable
Smart Insert
44 : 1

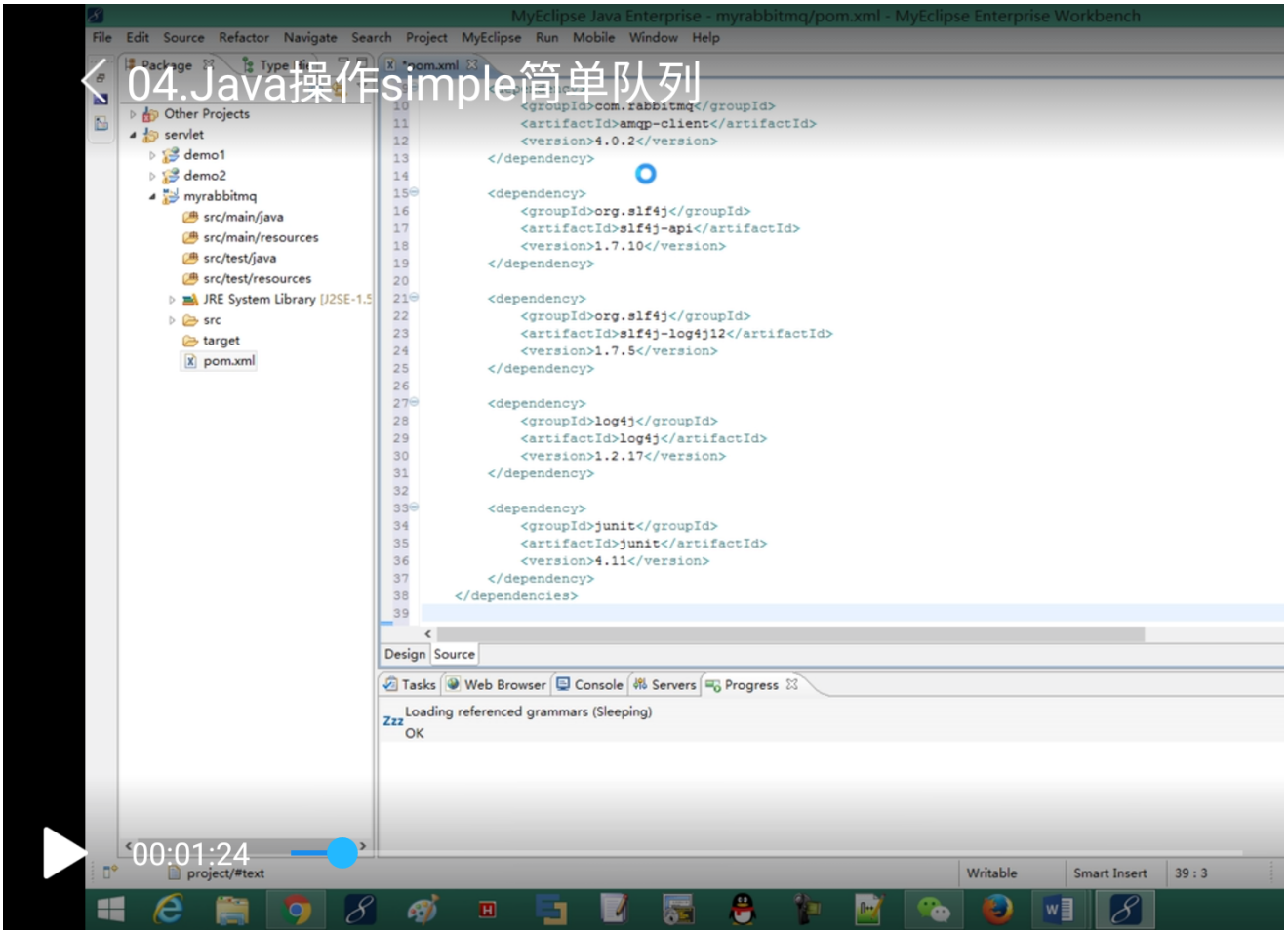

04.Java操作simple简单队列
00:18:53
MyEclipse Java Enterprise - myrabbitmq/src/main/java/com/mmr/rabbitmq/simple/Recv.java - MyEclipse Enterprise Workbe
File Edit Source Refactor Navigate Search Project MyEclipse Run Mobile Window Help
Other Projects
servlet
demo1
demo2
myrabbitmq
src/main/java
com.mmr.rabbitmq
simple
Recv.java
Send.java
util
src/main/resources
src/test/java
src/test/resources
JRE System Library [J2SE-1.5
Maven Dependencies
src
target
pom.xml
import com.mmr.rabbitmq.util.ConnectionUtils;
import com.rabbitmq.client.Channel;
import com.rabbitmq.client.Connection;
/**
* 消费者获取消息
* @author old wang
*
*/
public class Recv {
public static void main(String[] args) throws IOException, TimeoutException {
//获取连接
Connection connection = ConnectionUtils.getConnection();
//创建频道
Channel channel = connection.createChannel();
}
}
Tasks Web Browser Console Servers Progress
<terminated> Send [Java Application] C:\development\dev\develop\myeclipse2013\binary\com.sun.java.jdk.win32.x86_64_1.6.0.u43\bin\javaw.exe (2018
--send msg:hello simple !
Writable Smart Insert 28 : 9

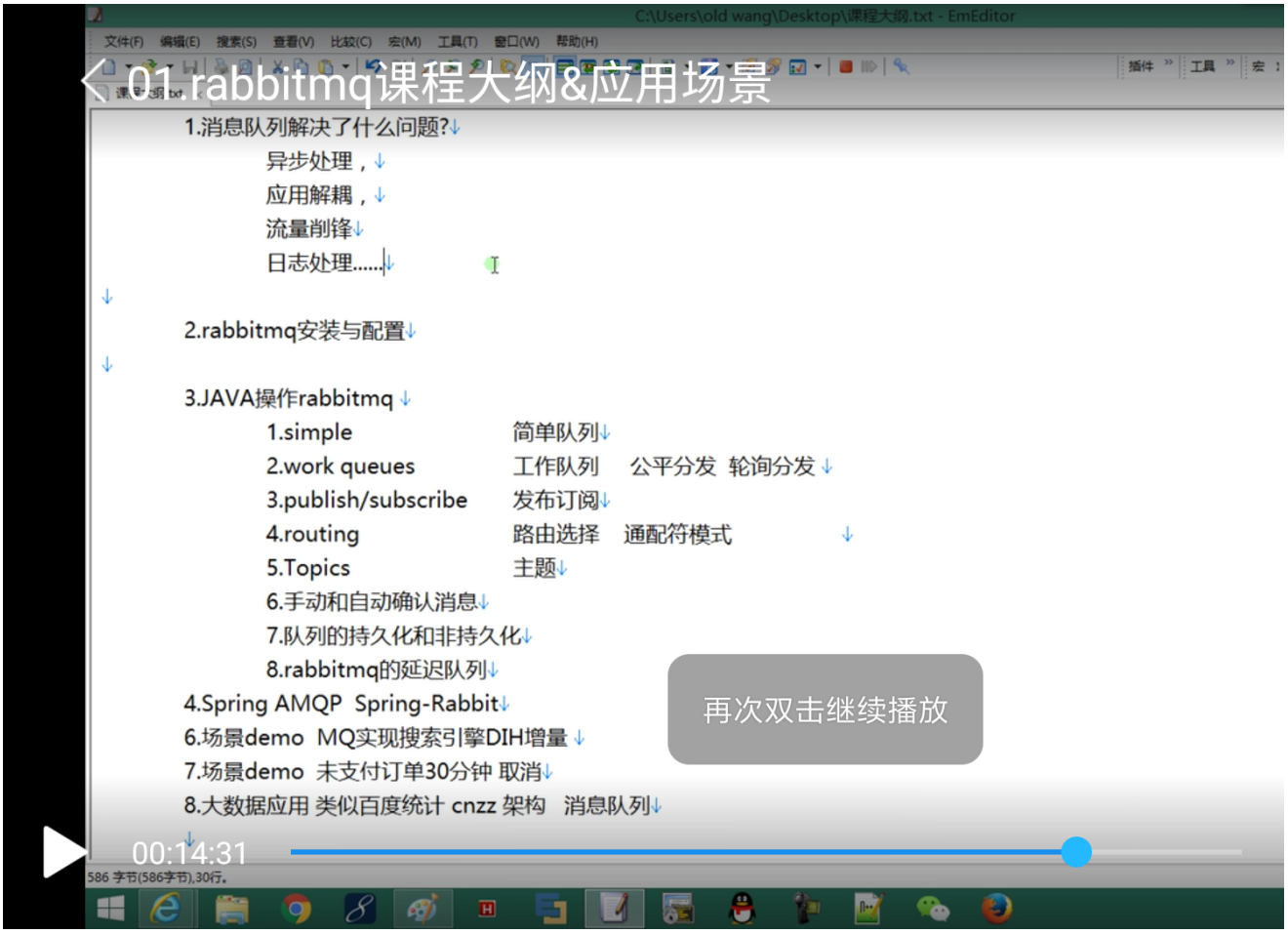

04.Java操作simple简单队列
MyEclipse Java Enterprise - myrabbitmq/src/main/java/com/mmr/rabbitmq/simple/Send.java - MyEclipse Enterprise Work
File Edit Source Refactor Navigate Search Project MyEclipse Run Mobile Window Help
Other Projects
servlet
demo1
demo2
myrabbitmq
src/main/java
com.mmr.rabbitmq
simple
Send.java
util
src/main/resources
src/test/java
src/test/resources
JRE System Library [J2SE-1.5
Maven Dependencies
src
target
pom.xml
import java.io.IOException;
import java.util.concurrent.TimeoutException;
import com.mmr.rabbitmq.util.ConnectionUtils;
import com.rabbitmq.client.Channel;
import com.rabbitmq.client.Connection;
public class Send {
private static final String QUEUE_NAME="test_simple_queue";
public static void main(String[] args) throws IOException, TimeoutException {
//获取一个连接
Connection connection = ConnectionUtils.getConnection();
//从连接中获取一个通道
Channel channel = connection.createChannel();
//创建队列声明
channel.queueDeclare(QUEUE_NAME, false, false, false, null);
String msg="hello simple !";
channel.basicPublish("", QUEUE_NAME, null, msg.getBytes());
channel.close();
connection.close();
}
}
Tasks Web Browser Console Servers Progress
No operations to display at this time.
00:15:46
Writable Smart Insert 31 : 1

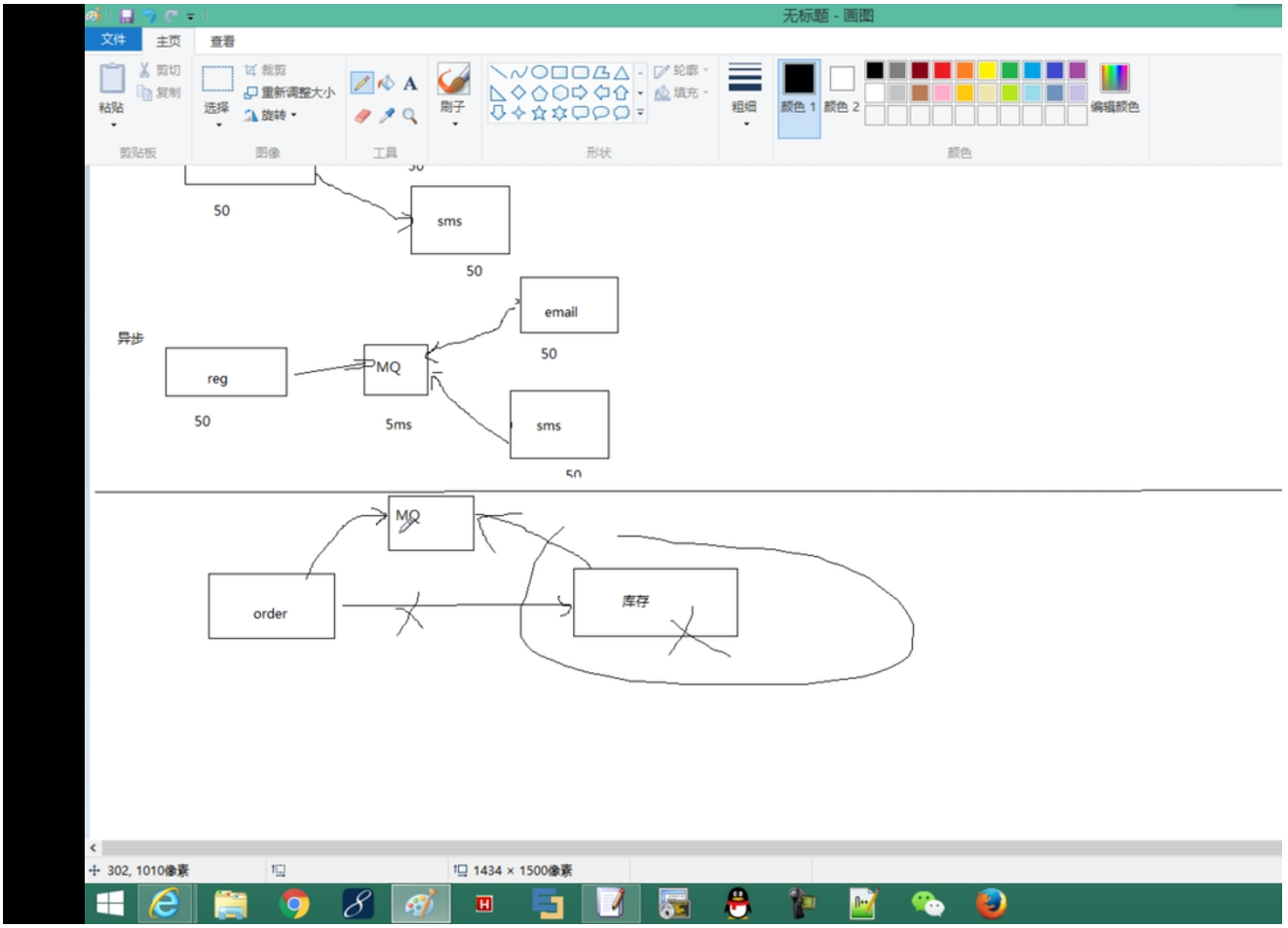

04.Java操作simple简单队列
MyEclipse Java Enterprise - myrabbitmq/src/main/java/com/mmr/rabbitmq/simple/Send.java - MyEclipse Enterprise Workbe
File Edit Source Refactor Navigate Search Project MyEclipse Run Mobile Window Help
Other Projects
servlet
demo1
demo2
myrabbitmq
src/main/java
com.mmr.rabbitmq
simple
Send.java
util
src/main/resources
src/test/java
src/test/resources
JRE System Library [J2SE-1.5
Maven Dependencies
src
target
pom.xml
package com.mmr.rabbitmq.simple;
import java.io.IOException;
import java.util.concurrent.TimeoutException;
import com.mmr.rabbitmq.util.ConnectionUtils;
import com.rabbitmq.client.Channel;
import com.rabbitmq.client.Connection;
public class Send {
private static final String QUEUE_NAME="test_simple_queue";
public static void main(String[] args) throws IOException, TimeoutException {
//获取一个连接
Connection connection = ConnectionUtils.getConnection();
//从连接中获取一个通道
Channel channel = connection.createChannel();
//创建队列声明
channel.queueDeclare(QUEUE_NAME, false, false, false, null);
String msg="hello simple !";
channel
}
Tasks Web Browser Console Servers Progress
No operations to display at this time.
00:14:48
Writable Smart Insert 26 : 16

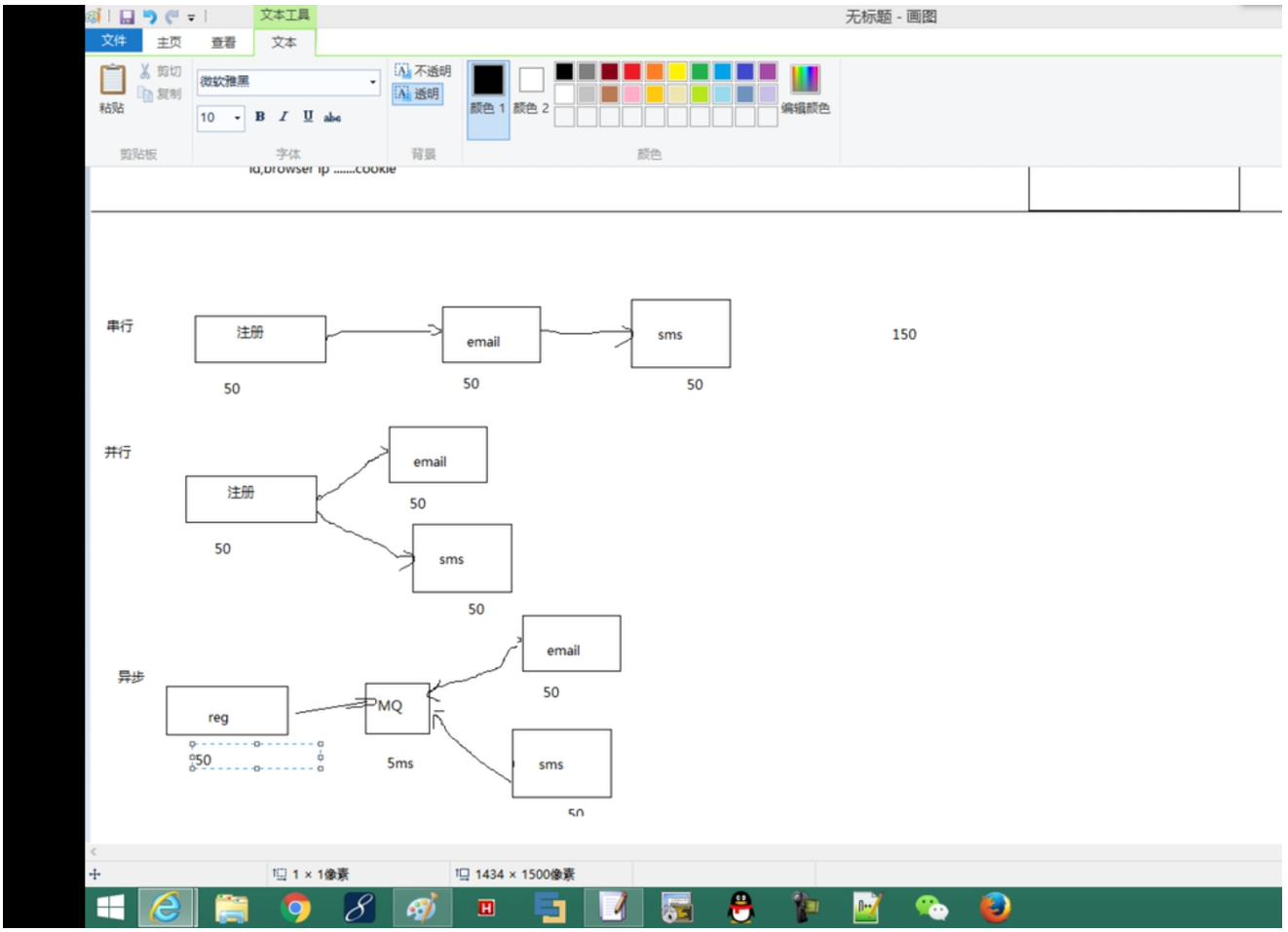

04.Java操作simple简单队列
00:09:21
MyEclipse Java Enterprise - myrabbitmq/src/main/java/com/mmr/rabbitmq/util/ConnectionUtils.java - MyEclipse Enterprise Workl
File Edit Source Refactor Navigate Search Project MyEclipse Run Mobile Window Help
Other Projects
servlet
demo1
demo2
myrabbitmq
src/main/java
com.mmr.rabbitmq.util
ConnectionUtils.java
src/main/resources
src/test/java
src/test/resources
JRE System Library [J2SE-1.5
Maven Dependencies
src
target
pom.xml
public class ConnectionUtils {
/**
* 获取MQ的连接
* @return
* @throws TimeoutException
* @throws IOException
*/
public static Connection getConnection() throws IOException, TimeoutException{
//定义一个连接工厂
ConnectionFactory factory =new ConnectionFactory();
//设置服务地址
factory.setHost("127.0.0.1");
//AMQP 5672
factory.setPort(5672);
//vhost
factory.setVirtualHost("/vhost_mmr");
//用户名
factory.setUsername("user_mmr");
//密码
factory.setPassword("123");
return factory.newConnection();
}
}
Tasks Web Browser Console Servers Progress
No operations to display at this time.
Writable Smart Insert 10 : 1

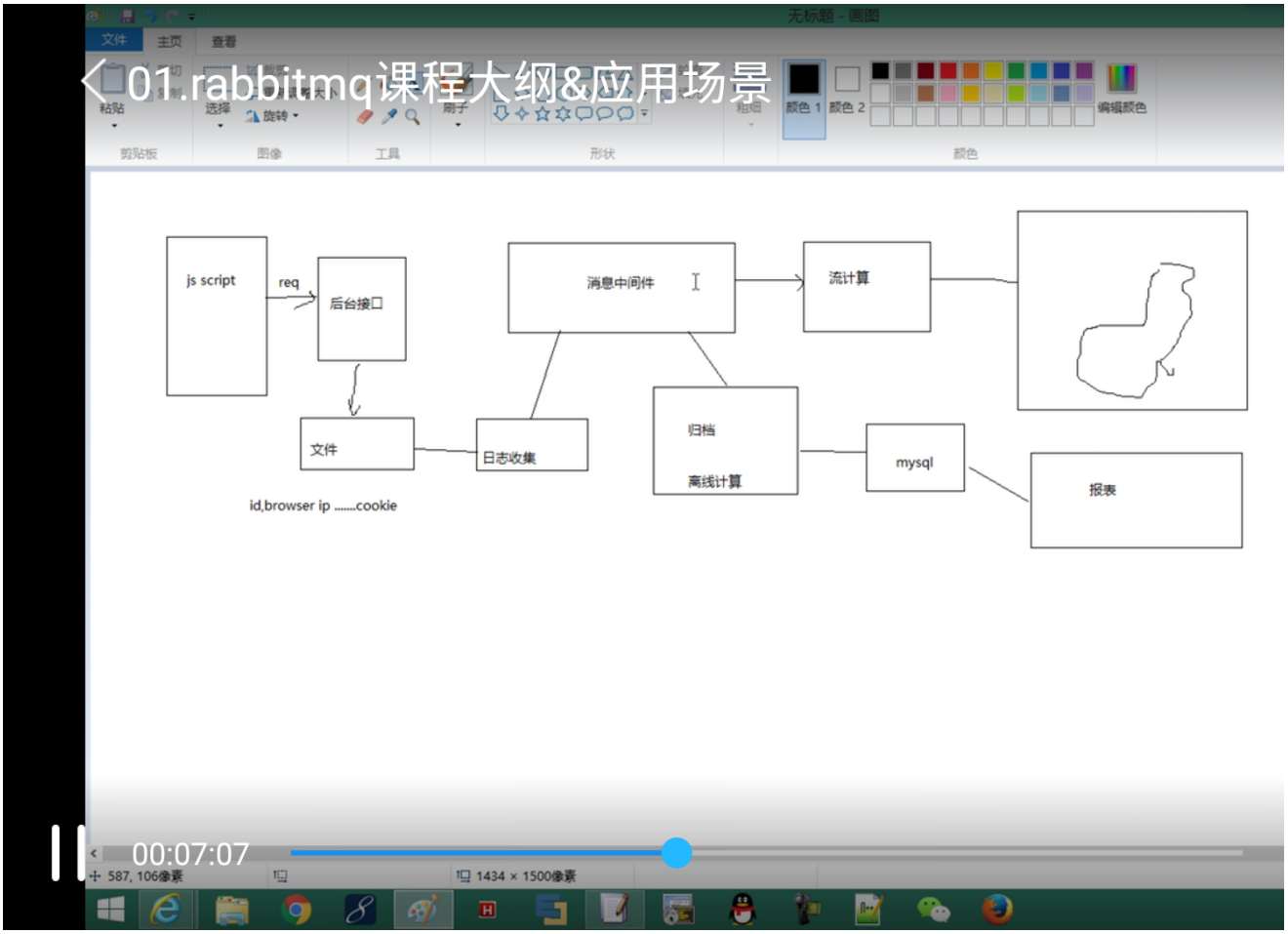

MyEclipse Java Enterprise - myrabbitmq/src/main/java/com/mmr/rabbitmq/util/ConnectionUtils.java - MyEclipse Enterprise Workl
File Edit Source Refactor Navigate Search Project MyEclipse Run Mobile Window Help
Package Type Hie
pom.xml ConnectionUtils.java
Other Projects
servlet
demo1
demo2
myrabbitmq
src/main/java
com.mmr.rabbitmq.util
ConnectionUtils.java
src/main/resources
src/test/java
src/test/resources
JRE System Library [J2SE-1.5
Maven Dependencies
src
target
pom.xml
package com.mmr.rabbitmq.util;
import com.rabbitmq.client.Connection;
import com.rabbitmq.client.ConnectionFactory;
public class ConnectionUtils {
/**
* 获取MQ的连接
* @return
*/
public static Connection getConnection(){
//定义一个连接工厂
ConnectionFactory factory =new ConnectionFactory();
//设置服务地址
factory.setHost("127.0.0.1");
//AMQP 5672
factory.setPort(5672);
//vhost
factory.setVirtualHost("/vhost_mmr");
//用户名
factory.setUsername("user_mmr");
//密码
return null;
Tasks Web Browser Console Servers Progress
No operations to display at this time.
Writable Smart Insert 27 : 38


04.Java操作simple简单队列
MyEclipse Java Enterprise - myrabbitmq/pom.xml - MyEclipse Enterprise Workbench
File Edit Source Refactor Navigate Search Project MyEclipse Run Mobile Window Help
Other Projects
servlet
demo1
demo2
myrabbitmq
src/main/java
src/main/resources
src/test/java
src/test/resources
JRE System Library [J2SE-1.5
src
target
pom.xml
<groupId>com.rabbitmq</groupId>
<artifactId>amqp-client</artifactId>
<version>4.0.2</version>
</dependency>
<dependency>
<groupId>org.slf4j</groupId>
<artifactId>slf4j-api</artifactId>
<version>1.7.10</version>
</dependency>
<dependency>
<groupId>org.slf4j</groupId>
<artifactId>slf4j-log4j12</artifactId>
<version>1.7.5</version>
</dependency>
<dependency>
<groupId>log4j</groupId>
<artifactId>log4j</artifactId>
<version>1.2.17</version>
</dependency>
<dependency>
<groupId>junit</groupId>
<artifactId>junit</artifactId>
<version>4.11</version>
</dependency>
</dependencies>
Design Source
Tasks Web Browser Console Servers Progress
Loading referenced grammars (Sleeping)
OK
00:01:24
project/#text
Writable Smart Insert 39 : 3


01.rabbitmq课程大纲&应用场景
C:\Users\old wang\Desktop\课程大纲.txt - EmEditor
1.消息队列解决了什么问题?
异步处理，
应用解耦，
流量削锋
日志处理.....
2.rabbitmq安装与配置
3.JAVA操作rabbitmq
1.simple 简单队列
2.work queues 工作队列 公平分发 轮询分发
3.publish/subscribe 发布订阅
4.routing 路由选择 通配符模式
5.Topics 主题
6.手动和自动确认消息
7.队列的持久化和非持久化
8.rabbitmq的延迟队列
4.Spring AMQP Spring-Rabbit
6.场景demo MQ实现搜索引擎DIH增量
7.场景demo 未支付订单30分钟 取消
8.大数据应用 类似百度统计 cnzz 架构 消息队列
再次双击继续播放
00:14:31
586 字节(586字节),30行。


无标题 - 画图
文件
主页
查看
50
sms
50
异步
email
50
reg
MQ
sms
50
5ms
50
MQ
order
库存
302, 1010像素
1434 × 1500像素


无标题 - 画图
文本工具
文件
主页
查看
文本
串行
注册
email
sms
150
50
50
50
并行
email
注册
50
50
sms
50
异步
email
50
reg
MQ
50
5ms
sms
50
1 × 1像素
1434 × 1500像素


01.rabbitmq课程大纲&应用场景
js script
req
后台接口
消息中间件
流计算
文件
日志收集
归档
离线计算
mysql
报表
id,browser ip .....cookie
00:07:07