# Comunicación servicios asincrónicas (async)

## Levantar rabbitmq

```
[+] Running 1/1
 ✓ Container rabbitmq  Started
PS C:\Users\Santiago\Downloads\Codelabs desarrollo 3\Comunicacion Asincrona con RabbitMQ> cd .\productoserviceasync\
PS C:\Users\Santiago\Downloads\Codelabs desarrollo 3\Comunicacion Asincrona con RabbitMQ\productoserviceasync> mvn spring-boot:run
>>
[INFO] Scanning for projects...
[INFO]
[INFO] -----------------< com.example:productoserviceasync >------------------
[INFO] Building productoserviceasync 0.0.1-SNAPSHOT
[INFO]   from pom.xml
[INFO] --------------------------------[ jar ]---------------------------------
[INFO]
[INFO] >>> spring-boot:3.4.4:run (default-cli) > test-compile @ productoserviceasync >>>
[INFO]
[INFO] --- resources:3.3.1:resources (default-resources) @ productoserviceasync ---
[INFO] Copying 2 resources from src\main\resources to target\classes
[INFO] Copying 0 resource from src\main\resources to target\classes
[INFO]
[INFO] --- compiler:3.13.0:compile (default-compile) @ productoserviceasync ---
[INFO] Nothing to compile - all classes are up to date.
```

## Iniciar producto service

```
2025-06-15T14:04:49.533-05:00  INFO 22504 --- [productoserviceasync] [           main] o.apache.catalina.core.StandardService   : Starting service [Tomcat]
2025-06-15T14:04:49.534-05:00  INFO 22504 --- [productoserviceasync] [           main] o.apache.catalina.core.StandardEngine    : Starting Servlet engine: [Apac
he Tomcat/10.1.39]
2025-06-15T14:04:49.865-05:00  INFO 22504 --- [productoserviceasync] [           main] o.a.c.c.C.[Tomcat].[localhost].[/]        : Initializing Spring embedded W
ebApplicationContext
2025-06-15T14:04:49.867-05:00  INFO 22504 --- [productoserviceasync] [           main] w.s.c.ServletWebServerApplicationContext : Root WebApplicationContext: in
itialization completed in 2312 ms
2025-06-15T14:04:51.327-05:00  INFO 22504 --- [productoserviceasync] [           main] o.s.b.w.embedded.tomcat.TomcatWebServer   : Tomcat started on port 8081 (h
ttp) with context path '/'
2025-06-15T14:04:51.342-05:00  INFO 22504 --- [productoserviceasync] [           main] c.e.p.ProductoserviceasyncApplication    : Started ProductoserviceasyncAp
plication in 4.836 seconds (process running for 5.386)
2025-06-15T14:06:23.974-05:00  INFO 22504 --- [productoserviceasync] [nio-8081-exec-1] o.a.c.c.C.[Tomcat].[localhost].[/]        : Initializing Spring Dispatcher
Servlet 'dispatcherServlet'
2025-06-15T14:06:23.975-05:00  INFO 22504 --- [productoserviceasync] [nio-8081-exec-1] o.s.web.servlet.DispatcherServlet        : Initializing Servlet 'dispatch
erServlet'
2025-06-15T14:06:23.976-05:00  INFO 22504 --- [productoserviceasync] [nio-8081-exec-1] o.s.web.servlet.DispatcherServlet        : Completed initialization in 1
ms
2025-06-15T14:06:24.125-05:00  WARN 22504 --- [productoserviceasync] [nio-8081-exec-1] .w.s.m.s.DefaultHandlerExceptionResolver : Resolved [org.springframework.
http.converter.HttpMessageNotReadableException: JSON parse error: Unexpected character ('\' (code 92)): was expecting double-quote to start field name]
2025-06-15T14:07:26.983-05:00  INFO 22504 --- [productoserviceasync] [nio-8081-exec-2] o.s.a.r.c.CachingConnectionFactory       : Attempting to connect to: [loc
alhost:5672]
2025-06-15T14:07:27.106-05:00  INFO 22504 --- [productoserviceasync] [nio-8081-exec-2] o.s.a.r.c.CachingConnectionFactory       : Created new connection: rabbit
ConnectionFactory#2be95d31:0/SimpleConnection@3799dbbb [delegate=amqp://user@127.0.0.1:5672/, localPort=58977]
Lista de productos enviada con éxito en formato JSON.
```

## Iniciar pedido service y envio de lista de productos

```
2025-06-15T14:05:23.649-05:00  INFO 21680 --- [pedidoserviceasync] [           main] c.e.p.PedidoserviceasyncApplication      : Starting PedidoserviceasyncAppli
cation using Java 17.0.12 with PID 21680 (C:\Users\Santiago\Downloads\Codelabs desarrollo 3\Comunicacion Asincrona con RabbitMQ\pedidoserviceasync\target\classe
s started by Santiago in C:\Users\Santiago\Downloads\Codelabs desarrollo 3\Comunicacion Asincrona con RabbitMQ\pedidoserviceasync)
2025-06-15T14:05:23.653-05:00  INFO 21680 --- [pedidoserviceasync] [           main] c.e.p.PedidoserviceasyncApplication      : No active profile set, falling b
ack to 1 default profile: "default"
2025-06-15T14:05:25.257-05:00  INFO 21680 --- [pedidoserviceasync] [           main] o.s.b.w.embedded.tomcat.TomcatWebServer   : Tomcat initialized with port 808
2 (http)
2025-06-15T14:05:25.278-05:00  INFO 21680 --- [pedidoserviceasync] [           main] o.apache.catalina.core.StandardService   : Starting service [Tomcat]
2025-06-15T14:05:25.280-05:00  INFO 21680 --- [pedidoserviceasync] [           main] o.apache.catalina.core.StandardEngine    : Starting Servlet engine: [Apache
 Tomcat/10.1.39]
2025-06-15T14:05:25.377-05:00  INFO 21680 --- [pedidoserviceasync] [           main] o.a.c.c.C.[Tomcat].[localhost].[/]        : Initializing Spring embedded Web
ApplicationContext
2025-06-15T14:05:25.378-05:00  INFO 21680 --- [pedidoserviceasync] [           main] w.s.c.ServletWebServerApplicationContext : Root WebApplicationContext: init
ialization completed in 1666 ms
2025-06-15T14:05:26.173-05:00  INFO 21680 --- [pedidoserviceasync] [           main] o.s.b.w.embedded.tomcat.TomcatWebServer   : Tomcat started on port 8082 (htt
p) with context path '/'
2025-06-15T14:05:26.177-05:00  INFO 21680 --- [pedidoserviceasync] [           main] o.s.a.r.c.CachingConnectionFactory       : Attempting to connect to: [local
host:5672]
2025-06-15T14:05:26.417-05:00  INFO 21680 --- [pedidoserviceasync] [           main] o.s.a.r.c.CachingConnectionFactory       : Created new connection: rabbitCo
nnectionFactory#1a3e8e24:0/SimpleConnection@3e900e1a [delegate=amqp://user@127.0.0.1:5672/, localPort=58893]
2025-06-15T14:05:26.574-05:00  INFO 21680 --- [pedidoserviceasync] [           main] c.e.p.PedidoserviceasyncApplication      : Started PedidoserviceasyncApplic
ation in 3.636 seconds (process running for 4.108)
Pedido recibido con los siguientes productos: [ProductoDTO{id=1, nombre='Laptop', precio=1500.0}, ProductoDTO{id=2, nombre='Mouse', precio=25.0}]
```