**SI-320 SocketAdapters:**

1. Dependency
2. Ip namespace

**Udp config:**

* OutboundAdapter manda datagrams su Host:port
* InboundAdapter ascolta su Host:port e indirizza ad un ServiceActivatorLogImpl

**Udp e reliability:**

UDP is an unreliable protocol, and thus Spring Integration provides two options to improve its

reliability.

One option used in the example in Listing 11–13 is setting the property **check-length to true.<**

This causes the adapter to prepend the length of the message to the message data.  
This allows the message to be checked for completeness.   
However, this requires that the receiving endpoint know about this check.

Another option is **the acknowledge property.** When set to true, this property causes the sending to

wait for an acknowledgement from the receiving destination.   
Again, the destination endpoint must be set up to send an acknowledgement to the sender for this check to work.  
 The configuration for this

option is shown in Listing 11–15.

***Listing 11–15.*** *Using UDP Application-Level Acknowledgement*

<ip:udp-outbound-channel-adapter id="udpOut" host="localhost" port="12345"

multicast="false" check-length="true"

channel="sendUdp" acknowledge="true"

ack-host="localhost" ack-port="12312"

ack-timeout="5000"/>

A UDP multicast example is shown in Listing 11–16. The adapter configuration is similar

Esempio Multicast:

**TCP**

ConnectionFactory (per aprire connessioni e riusarle?) su thread diversi  
TcpChannelAdapters

Demo Basic  
Channel-OutbouondAdapter-InboundAdapter-ServiceActivator  
  
Deserializers

Deserializzazione

Rispetto a Libro separare client e server in due configs e due main.