











































Subscription / Dispatching	
Event SomeEvent SubEvent1 SubEvent2	Event Hierarchy
	<pre>Class SomeEvent extends Event {} class SubEvent1 extends SomeEvent {} class SubEvent2 extends SomeEvent {}</pre>
Incoming Event No Event invocatio	<pre>class SomeSubscriber { public SomeSubscriber { channel.subscribe(SomeEvent.class); } </pre>
SubEvent2 invoke SubEvent1 invoke	<pre>public void onEvent (Event e) {} public void onEvent (SubEvent1 se) {} }</pre>
22	Enterprise SOA

Channel Implementation	
<pre>public void send(Event event) { Set<eventrecipient> subscribers = getSubscribersForEventTypeAndltsSuperTypes(event.getClass()); for (EventRecipient recipient : subscribers) { EventProcessorHelper.invokeEventHandler(event, recipient); } }</eventrecipient></pre>	
<pre>Map<cl ass,="" set<eventrecipient="">> subs; Set<eventrecipient> getSubscribersForEventTypeAndItsSuperTypes (Cl ass eventCl ass) { Set<eventrecipient> allSubscribers = new HashSet<eventrecipient>(); for (Map.Entry<cl ass,="" set<eventrecipient="">> entry : subs.entrySet()) { Cl ass subscriberEventCl ass = entry.getKey(); if (subscriberEventCl ass.isAssignableFrom(eventCl ass)) { allSubscribers.addAll(entry.getValue()); } } return allSubscribers; }</cl></eventrecipient></eventrecipient></eventrecipient></cl></pre>	













