



Spring Cloud Stream Binder for PubSub+

Enabling Spring Cloud Stream applications and microservices to use the PubSub+ event broker for their messaging needs

Developers use Spring Cloud Stream and other Spring frameworks to accelerate and simplify the development and deployment of applications. They don't want to waste time learning about or implementing message broker connection strings or consumer libraries

The Spring Cloud Stream Binder for PubSub+ is an open source binder that abstracts PubSub+ messaging capabilities so applications can easily send and receive events and information to and from other systems using a variety of exchange patterns and open APIs and protocols. This lets developers build sophisticated event-driven microservices without having to know anything about the underlying messaging that makes it all possible.

How Spring Cloud Stream Binders Work

Spring has defined a declarative, annotation-based interface that lets you connect Spring Cloud Stream applications "under the covers" so they are completely broker-agnostic.

Using this interface, you can configure the specifics of the event broker (such as broker host/port and credentials/certificates) and simply "bind" to the broker using Spring annotations.

The Spring Cloud Stream Binder for PubSub+ adheres to the Spring Cloud Streams Binders specification, supports input and output channels, and works with all versions of all PubSub+ event brokers -- software, hardware and as a service -- so applications on either side of the binder can take advantage of rich messaging functionality including:

- Exchange patterns including pub/sub, queuing, request/reply and streaming
- APIs and protocols including AMQP, JMS, MQTT, REST and WebSocket
- Sophisticated fine-grained topics and queues, including wildcards, for easy filtration and fanout
- Persistent (guaranteed) and non-persistent (best effort) qualities of service

How the PubSub+ Binder is Unique

With the PubSub+ binder, destinations and events published to one broker or PCF service instance are automatically disseminated across a global event mesh so they can be consumed by applications and microservices connected to any other broker, anywhere in the world. This makes it easy to deploy or dynamically re-deploy microservices in public and private clouds and on-premises environments as your needs change.

About Spring Cloud Stream

Spring Cloud Stream is a new event-driven framework that makes it easier to create microservices that communicate via messages instead of only request/reply REST interactions.

About PubSub+

Solace PubSub+ is a message broker that lets you establish event-driven interactions between applications and microservices across hybrid cloud environments using open APIs and protocols. PubSub+ is available as cloud-friendly software, a turnkey hardware appliance and "as a service" so you can mix and match to cost-effectively meet your needs as you create the ideal architecture and scaling strategy for your application infrastructure.

About Solace

Solace's smart data movement technologies use open APIs and protocols to rapidly and reliably route events and information between applications, devices and people across clouds and on-premises environments. Elite enterprises and high-growth startups around the world use Solace to modernize legacy applications and successfully pursue analytics, hybrid cloud and IoT strategies.

Learn more or contact us at
<https://solace.com>.

Getting Started

The Spring Cloud Stream Binder for PubSub+ is open source and available on GitHub and via Maven Central for adding as a dependency to Spring Boot applications.



<http://solace.com/spring-binder-github>



<http://solace.com/spring-binder-maven>