

PubSub+ Event Broker Cloud

Real-time data distribution for event-driven enterprises

solace

Solace PubSub+ Event Broker efficiently streams events and information across cloud, on-premises and IoT environments. The “+” means it supports a wide range of message exchange patterns including publish/subscribe, request/reply, queueing and streaming, with qualities of service like best effort and guaranteed delivery. It’s available as an appliance, software, and a service, all of which offer the same functionality and can be managed and monitored with a single administration interface.

Key Capabilities and Features

APIs & Protocols

- Support for AMQP, JMS, MQTT, Node.js, Paho, Qpid, WebSocket and more
- Messaging APIs for C, C++, C#/ .NET, Java, JavaScript, JMS/JCA and Node.js

Federated Architecture

- Routing across distributed cloud and on-premises environments
- Dynamic self-learning routing
- Fast, bandwidth-efficient routing over wide area networks

Reliability & Robustness

- Built-in fault tolerance and high availability configuration options
- Built-in disaster recovery functionality for business continuity

Capacity & Performance

- Very high throughput and low, consistent latency

Advanced Messaging

- Message caching and replay
- Sophisticated topics, including wildcards
- Message prioritization
- Dead message queues
- In-service upgrades

Integration

- Easily integrate events from leading streaming and analytics products
- Free open source Kafka connectors, for both sources and sinks

Management & Monitoring

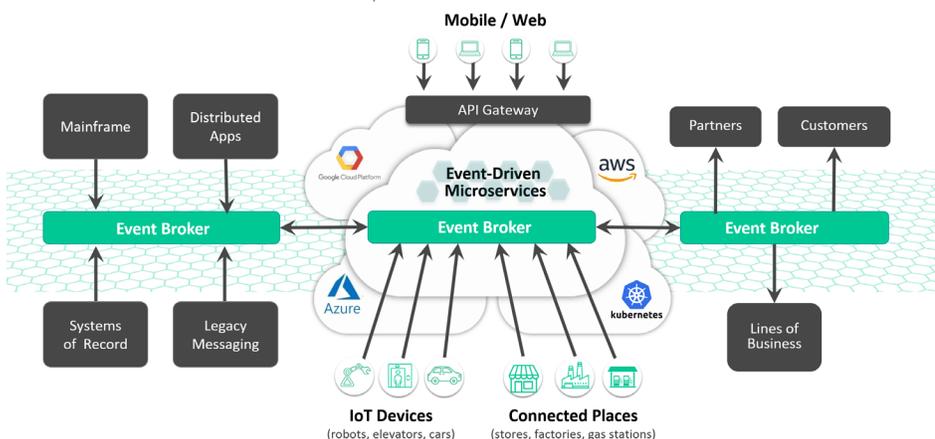
- Centralized administration
- Powerful, proactive monitoring and alerting, including integration with existing monitoring tools

Security

- Authentication, authorization and encryption of assets and information

The Event Mesh Advantage

You can connect your PubSub+ event brokers to create an “event mesh” that efficiently streams events from wherever they occur to everywhere they’re needed, around the world and in all kinds of cloud, on-premises, IoT and mobile environments.



Customers

RBC Capital Markets

RBC Capital Markets has deployed Solace PubSub+ appliances to act as the message bus of their low latency trading platform.

“65 billion messages a day. That’s 750,000 messages a second, 24 hours a day. That’s huge volume, and we do all that completely seamlessly without any data loss.”

-Joshua Carroll, managing director, global head of shared application services

CargoSmart

CargoSmart uses PubSub+ to establish reliable IoT connections between vessels, control centers and applications running in diverse cloud and on-premises environments.

“PubSub+ has given CargoSmart a world-class foundation upon which they can deploy a game-changing solution that leverages the Internet of Things to help smart shippers differentiate themselves in the marketplace.”

-Belinda So, general manager, CargoSmart

Grasshopper

Grasshopper used PubSub+ to build an event mesh that incorporates cloud-native AI/ML services into their trading system by linking systems across cloud and on-premises environments.

“Solace provides the reliable, robust event distribution we need to exchange all kinds of real-time market data and transactions across many exchanges. Our decision to use PubSub+ to incorporate cloud-based machine learning into our system was easy given Solace’s hybrid cloud capabilities.”

-Tan T-Kiang, CIO, Grasshopper and Tilde

Cloud Plans

PubSub+ Event Broker is available as a service, so you can spin up event broker services that meet your exact needs in mere minutes, and scale on demand to any level. There are two types of PubSub+ Cloud accounts:

Standard accounts are perfect for individual developers. You can learn about a variety of self-service plans, from Free to Professional, at solace.com/cloud.

Enterprise accounts have the flexibility to meet the needs of any organization. Enterprise accounts feature Developer and Enterprise services. Developer services are small, fixed size and perfect for DevOps teams in testing environments. Enterprise services are fault tolerant using HA groups, are production ready, and can scale to a variety of sizes to meet a wide range of use cases, as the table below illustrates.

	Developer	Enterprise			
Cloud Scaling Class	N/A	Kilo	Giga	Tera	Peta
Broker Configuration	Single Node	HA Group	HA Group	HA Group	HA Group
Max Connections	100	1,000	10,000	100,000	200,000
Max Throughput	8 Mbps	450 Mbps	750 Mbps	1 Gbps	2 Gbps
Max Storage	2 GB	Configurable	Configurable	Configurable	Configurable

Why Developers Love PubSub+ Cloud

Get Coding Quickly

With an easy-to-use web console, dedicated learning center and a REST API for CI/CD integration, PubSub+ Cloud removes all the roadblocks that can slow you down.

Work However You Want

Since PubSub+ Cloud supports open APIs and protocols, developers can work with whatever language and API stack they want without worrying about lock-in.

Dead Simple Operation

“Ops” are fully managed by the service so developers can leave setup, hosting, security, maintenance and scaling to our experts.

Why Enterprises Use PubSub+ Cloud

Flexible Deployment Options: Deploy your services in public clouds, private cloud VPCs, Kubernetes.

Robust Security: Control your enterprise data with private key and certificate management, and private network connectivity. All backed by automated monitoring and patching.

Enterprise Grade: PubSub+ Cloud offers the performance, availability, security, and WAN distribution enterprises demand.

Offload Operations: We monitor the service 24x7 and perform in-service upgrades, so your messages always get where they need to go in a cost-effective manner.

Easy to Scale: Link messaging services in public and private clouds and on premises into an event mesh that you can visualize and manage from one place.

Stay in Control: See and manage what’s happening across your system. Application events can be reported to monitoring systems, and access can be controlled so the right people have the info they need.

Learn more at solace.com/cloud



Solace helps large enterprises become modern and real-time by giving them everything they need to make their business operations and customer interactions event-driven. With PubSub+, the market’s first and only event management platform, the company provides a comprehensive way to create, document, discover and stream events from where they are produced to where they need to be consumed – securely, reliably, quickly, and guaranteed. Behind Solace technology is the world’s leading group of data movement experts, with nearly 20 years of experience helping global enterprises solve some of the most demanding challenges in a variety of industries – from capital markets, retail, and gaming to space, aviation, and automotive. Established enterprises such as SAP, Barclays and the Royal Bank of Canada, multinational automobile manufacturers such as Renault and Groupe PSA, and industry disruptors such as Jio use Solace’s advanced event broker technologies to modernize legacy applications, deploy modern microservices, and build an event mesh to support their hybrid cloud, multi-cloud and IoT architectures. Learn more at solace.com.