



gRPC

- [gRPC, on page 1](#)

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gRPC is a popular, high-performance, open-source RPC framework. It supports

- Cisco Spaces Firehose API gRPC service definition is provided as a proto file. You can compile this file using the protocol buffer compiler (language specific).
- gRPC operates over HTTP/2.
- Events are encoded as Protocol Buffers (protobuf).



Note The Cisco SpacesFirehose API maintains a rolling window of recent events for the partner. The width of this window is unspecified and is subject to change; providing timestamps within the preceding hour is expected to work.

Multiple receiver and partitions

These guidelines to configure multi-receiver deployments for your application:

- If your application uses multiple receivers, include the `min_partition` and `max_partition` values in the `EventsStreamRequest`.
- Your application can have up to 12 receivers.

For example, if you have 4 receivers within your application, you would have the these:

- Receiver #1 with `min_partition = 1` and `max_partition = 3`
- Receiver #2 with `min_partition = 4` and `max_partition = 6`

Receiver partition assignments

Configure your receivers with the these partition assignments:

- Receiver #3 with `min_partition = 7` and `max_partition = 9`
- Receiver #4 with `min_partition = 10` and `max_partition = 12`

