

# IceStorm Slice API

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## IceStorm

### Overview

#### module IceStorm

A messaging service with support for federation. In contrast to most other messaging or event services, IceStorm supports typed events, meaning that broadcasting a message over a federation is as easy as invoking a method on an interface.

### Interface Index

[Topic](#) — Publishers publish information on a particular topic.

[TopicManager](#) — A topic manager manages topics, and subscribers to topics.

### Exception Index

[AlreadySubscribed](#) — This exception indicates that an attempt was made to subscribe a proxy for which a subscription already exists.

[BadQoS](#) — This exception indicates that a subscription failed due to an invalid QoS.

[LinkExists](#) — This exception indicates that an attempt was made to create a link that already exists.

[NoSuchLink](#) — This exception indicates that an attempt was made to remove a link that does not exist.

[NoSuchTopic](#) — This exception indicates that an attempt was made to retrieve a topic that does not exist.

[TopicExists](#) — This exception indicates that an attempt was made to create a topic that already exists.

### Structure Index

[LinkInfo](#) — Information on the topic links.

### Sequence Index

[LinkInfoSeq](#) — A sequence of [LinkInfo](#) objects.

### Dictionary Index

[QoS](#) — This dictionary represents quality of service parameters.

[TopicDict](#) — Mapping of topic name to topic proxy.

## Sequences

### sequence<[LinkInfo](#)> LinkInfoSeq

A sequence of [LinkInfo](#) objects.

Used By

- [Topic::getLinkInfoSeq](#)

## Dictionaries

### dictionary<string, string> QoS

This dictionary represents quality of service parameters.

Used By

- [Topic::subscribeAndGetPublisher](#)
- [Topic::subscribe](#)

See Also

- [Topic::subscribe](#)

## **dictionary<string, [Topic\\*](#)> TopicDict**

Mapping of topic name to topic proxy.

Used By

- [TopicManager::retrieveAll](#)
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