APS RabbitMQ Message Service Provider

User Guide

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₁ APS RabbitMQ Message Service Provider

This service provides an implementation of APSMessageService using RabbitMQ.

Note: This implementation does not support *contentType* in the API. When sending messages the *contentType* will be ignored, and when messages are received the *contentType* will always be "UNKNOWN".

A good suggestion is to always use JSON or XML as content.

₁.₁ APSMessageService API

Javadoc

public *interface* **APSSimpleMessageService**   [se.natusoft.osgi.aps.api.net.messaging.service] {

This defines a simple message service. Can be implemented by using a message bus like RabbitMQ, Active MQ, etc or just a simple tcpip server or whatever.

Since the actual members are outside of this service API, it doesn't really know who they are and doesn't care, all members are defined by configuration.

void messageReceived(String topic, TypedData message)

This is called when a message is received.

Parameters

> *topic* - *The topic the message belongs to.*

> *message* - *The received message.*

void addMessageListener(String topic, MessageListener listener)

Adds a listener for types.

Parameters

> *topic* - *The topic to listen to.*

> *listener* - *The listener to add.*

void removeMessageListener(String topic, MessageListener listener)

Removes a messaging listener.

Parameters

> *topic* - *The topic to stop listening to.*

> *listener* - *The listener to remove.*

void sendMessage(String topic, TypedData message) throws APSMessagingException

Sends a message.

Parameters

> *topic* - *The topic of the message.*

> *message* - *The message to send.*

Throws

> *APSMessagingException* - *on failure.*

protected void sendToListeners(String topic, TypedData message)

Sends a message to the registered listeners.

Parameters

> *message* - *The message to send.*

protected List<MessageListener> lookupMessageListeners(String topic)

Returns the message listeners for a topic.

Parameters

> *topic* - *The topic to get listeners for.*

}