

A wide-angle, high-angle shot of a massive outdoor stadium filled with a dense crowd of people. In the foreground, a performer in a white tank top and light blue jeans stands on a stage, facing the audience. To the right, another performer in a patterned shirt is visible, playing a guitar. The stadium's roof structure is visible at the top, and the overall atmosphere is that of a large-scale concert event.

**Let's Rock?**



# Aplicações resilientes com filas

Transformando bits em música



SUPER  
PLAYER  
&CO™





SUPER  
PLAYER  
&CO™

**Jonathan Latties**

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**@JohnLatties**

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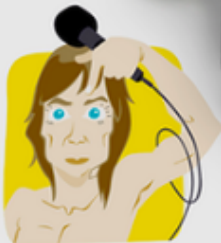
**@ThiagoDorneles**

SUPER  
PLAYER  
&CO™



**Something wrong is not  
right.**





# THE HISTORY OF ROCK



BOSSA NOVA,  
POP, BLUES,  
FUNK...





**Some goals:**



**Some goals:**

**Handling errors**





**Some goals:**

**Track content within the pipeline**

**Handling errors**



# **Some goals:**

**Track content within the pipeline**

**Handling errors**

**Attend multiple services**



**Some goals:**

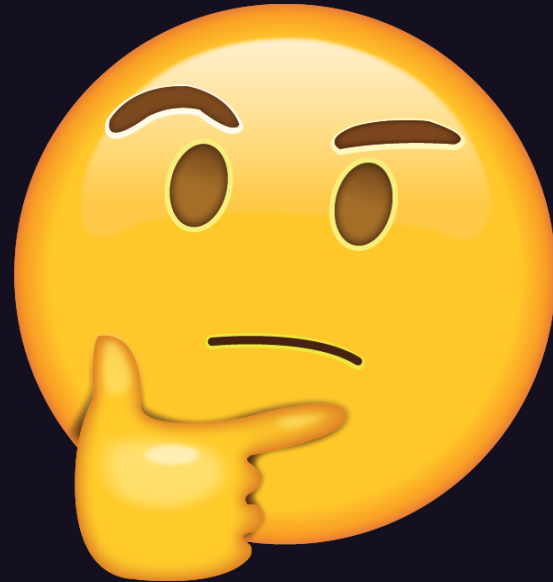
**Prioritize releases**

**Track content within the pipeline**

**Handling errors**

**Attend multiple services**

# Messaging\_





**MQTT**



# **MQTT**

**Message Queuing Telemetry Transport**

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# **AMQP**

# **MQTT**

**Message Queuing Telemetry Transport**

# **AMQP**

**Advanced Message Queuing Protocol**

# **MQTT**

**Message Queuing Telemetry Transport**

# **AMQP**

**Advanced Message Queuing Protocol**

# **STOMP**

# **MQTT**

**Message Queuing Telemetry Transport**

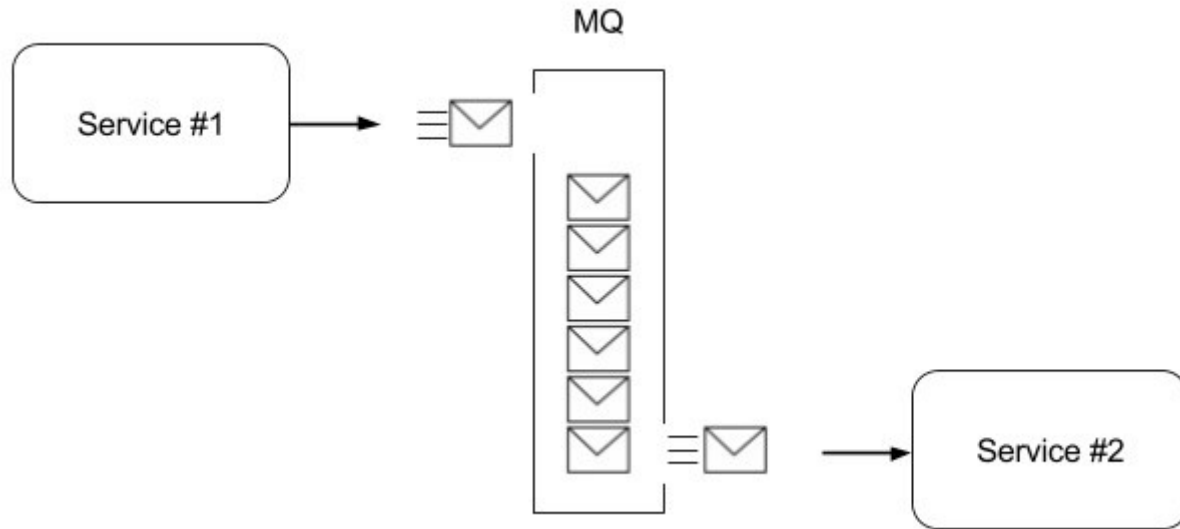
# **AMQP**

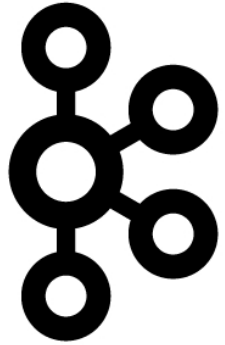
**Advanced Message Queuing Protocol**

# **STOMP**

**Simple (or Streaming) Text Orientated Messaging Protocol**

# Message Queuing





**kafka**



**Google Cloud  
Pub/Sub**

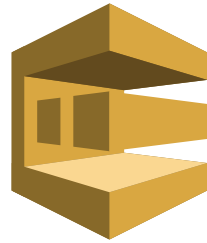


Apache  
**ACTIVE MQ**



**amazon  
SQS**

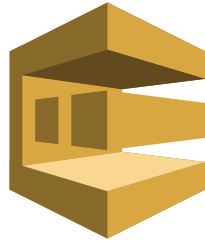
# **AWS SQS**



**amazon**  
SQS



# **AWS SQS**



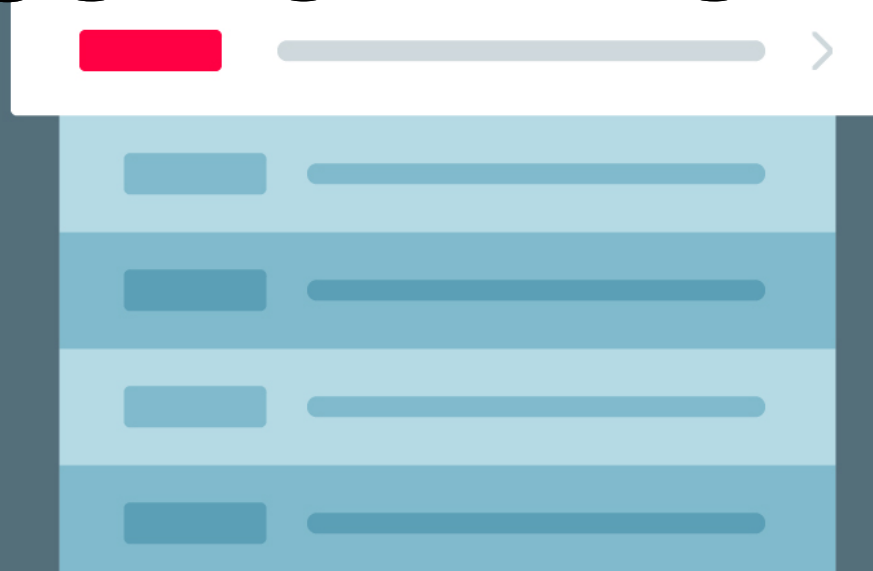
**amazon**  
**SQS**

# **Amazon SIMPLE Queue Service**



*Queue the music.*

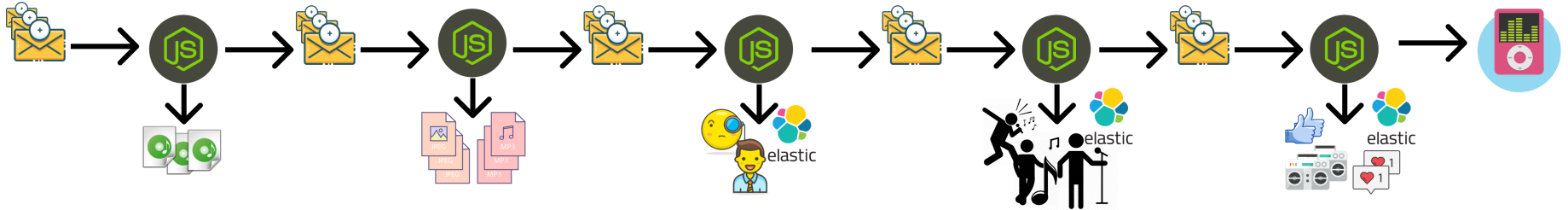
# Content Priority



A top-down view of various musical instruments and accessories on a wooden workbench. A guitar's body and neck are visible, along with a black pickup, a coiled black cable with a silver connector, a bright pink guitar pick, a green pedal with three knobs labeled 'DRIVE', 'TONE', and 'LEVEL', and a black pedal with a gauge and a pink pick resting on it.

# Business Strategy

# Overview



The background features a teal gradient with faint, repeating icons of documents and charts. In the center, a stylized laptop is shown. On the laptop screen, there is a white document with horizontal lines representing text. A dark blue line graph with an upward-pointing arrow is overlaid on the document. A red speech bubble is positioned on the left side of the document, and a white speech bubble is on the right. A black horizontal bar with yellow text is superimposed over the middle of the image.

# Translating the data



**so far so good**

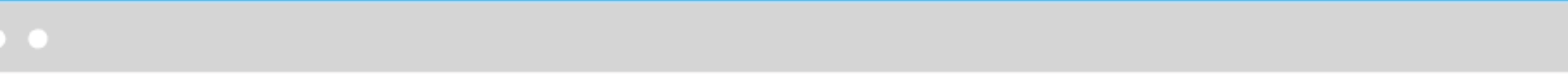
**working! No, wait, failed :(**



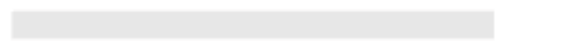


**working! No, wait, failed :(**

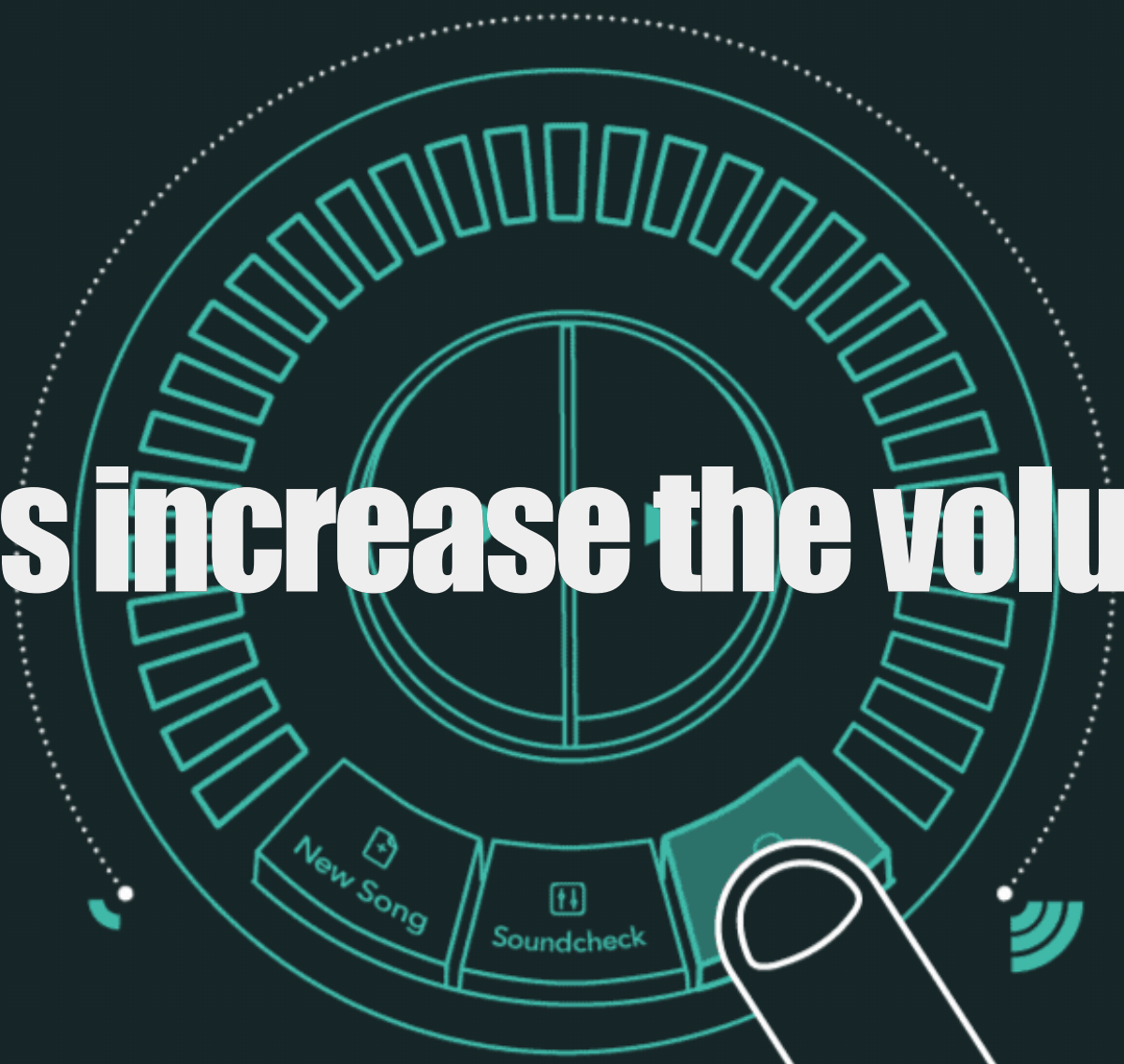
**services must be safe from errors**



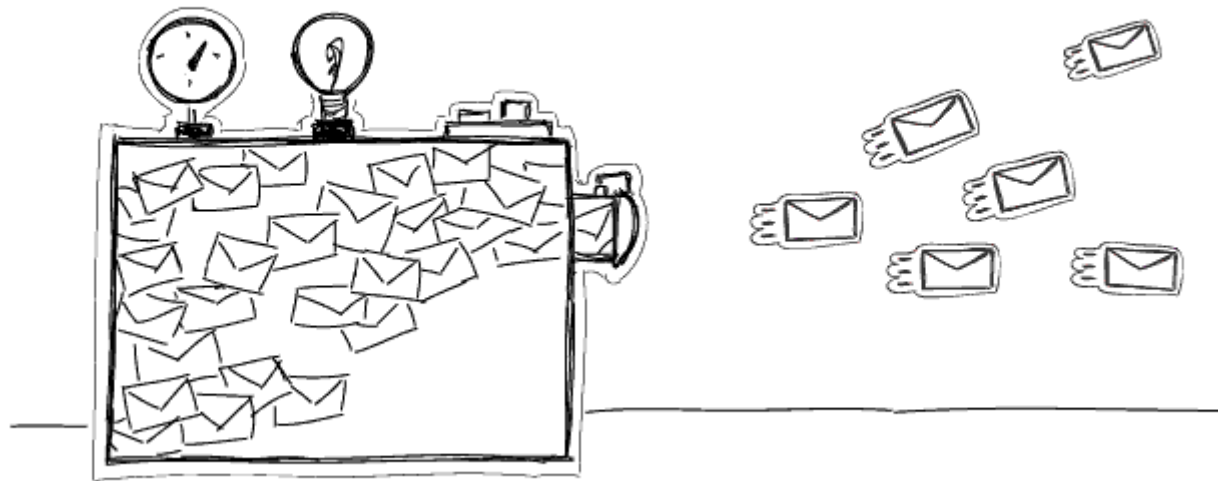
# Versioning



**Let's increase the volume?**

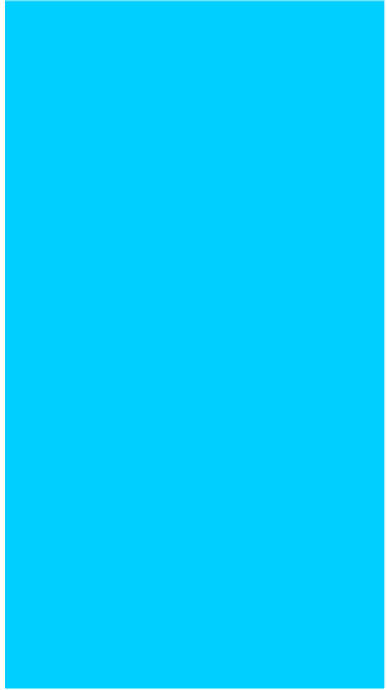


**it will break?**



**message/minute**

**7.500**



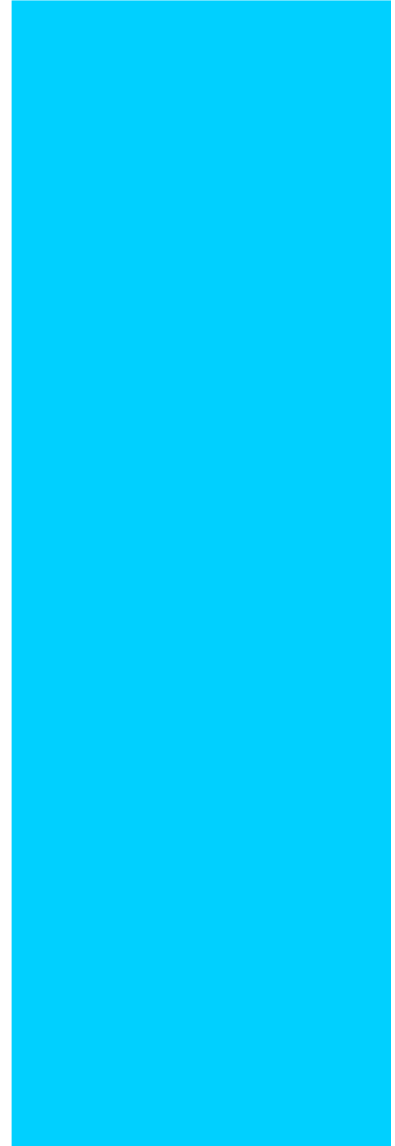
**2.500**



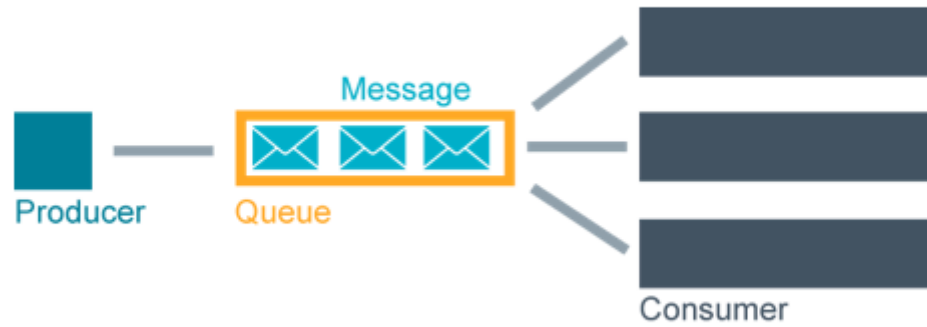
**1.000**



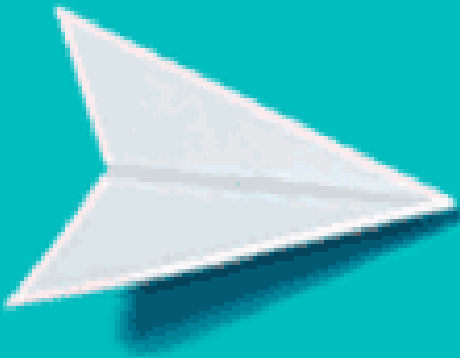
**10.000**



# Scaling



# Dispatcher





# Elasticsearch



elasticsearch

# Artist Station Builder



elastic



**Play!**

A photograph of Freddie Mercury in his iconic white and yellow military-style outfit, performing on stage. He is holding a microphone and has one arm raised. The background is dark. Overlaid on the image is the text "The show must go on!" in a bold, italicized white font.

***"The show must go on!"***

**Queen**

**Thanks!**

**Do you have questions?**

