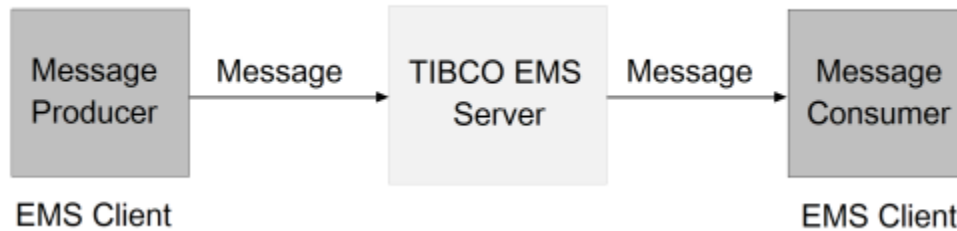


# TIBCO EMS

TIBCO Enterprise Message Service (EMS) is a messaging middleware platform developed by TIBCO Software Inc. It facilitates the exchange of information and data between various applications, services, and devices in a distributed environment. EMS follows the publish-subscribe messaging paradigm and also supports point-to-point messaging.



## Key Features:

**Topics and Queues:** Topics serve as named destinations where publishers send messages, and subscribers can receive those messages. Queues provide point-to-point messaging where messages are sent to a specific queue and consumed by a single subscriber.

## TIBCO Producer Smart Service:

Tibco producer is responsible for generating messages that contain the desired data or information to be sent.

## Parameters

### Input:

- **Server Url (Text) - Mandatory**  
Provide the address of the TIBCO server. Example : ssl://localhost:7243
- **Message Channel (Text)**  
Select the available message channels. Topic or Queue
- **Channel Name(Text)- Mandatory**  
Provide the name of the channel
- **Message(Text)- Mandatory**  
Provide the message that need to be sent to the consumer
- **Ssl Identity(Document)- Mandatory**

- Provide the client certificate document in **.p12** format.
- Ssl Trusted Certificate(Document)- **Mandatory**  
Provide the root certificate of the trusted server in **.pem** format.
- Scs External System Key(Text)- **Mandatory**  
Provide the Third party credentials key which contains the credentials.

Users may include the **username** and **password** of the TIBCO account in the Third-Party credentials if required. The SCS should contain the **sslpassword** parameter and this parameter should contain the **password of the Client certificate**.

## Edit Third-Party Credentials

### Identity


Name \*

Key

The auto-generated unique identifier of this external system

Description

### Credentials

Field name	Key	Value	Mask 	
username	username	<input type="text" value="wasim"/>	<input type="checkbox"/>	✗
password	password	<input type="text" value="wasim"/>	<input type="checkbox"/>	✗
sslpassword	sslpassword	<input type="text" value="password"/>	<input type="checkbox"/>	✗

### Output

- Error (Text)
  - Provides true if any error occurs.
- Error Message
  - Provides the error message.

## TIBCO Consumer Smart Service:

Tibco Consumer is responsible for getting the messages published in the server by the producer.

### Parameters

#### Input:

- Server Url (Text)- **Mandatory**  
Provide the address of the TIBCO server. Example : `ssl://localhost:7243`
- Message Channel (Text)  
Select the available message channels. Topic or Queue
- Channel Name(Text)- **Mandatory**  
Provide the name of the channel
- Timeout(Integer)

Provide the timeout value for which this node needs to run. (in Sec). By default, the node will run for 1 minute (60 minutes) if there is a message present in the channel or else the node will complete. Maximum timeout is 50 minutes.(3000 seconds).

- **Datasource (Text)- Mandatory**  
Provide the datasource configured in appian.
- **Tablename (Text)- Mandatory**  
Provide the table name in which the received message needs to be written.
- **Ssl Identity(Document)- Mandatory**  
Provide the client certificate document in .p12 format.
- **Ssl Trusted Certificate(Document)- Mandatory**  
Provide the root certificate of the trusted server in .pem format.
- **Scs External System Key(Text)- Mandatory**  
Provide the Third party credentials key which contains the credentials.

Users may include the **username** and **password** of the TIBCO account in the Third-Party credentials if required. The SCS should contain the **sslpassword** parameter and this parameter should contain the **password of the Client certificate**.

## Edit Third-Party Credentials

### Identity

Name \*

tibcoscs

Key

tibcoscs

The auto-generated unique identifier of this external system

Description

### Credentials

Field name	Key	Value	Mask	
username	username	wasim	<input type="checkbox"/>	×
password	password	wasim	<input type="checkbox"/>	×
sslpassword	sslpassword	password	<input type="checkbox"/>	×

- **Message Length(Integer)**  
Provide Varchar length of **MESSAGE** field in database. If not provided, the column will be created with a default of **255** length. Users can provide a maximum length of **10000**. If the length is more than 10000, then it'll be defaulted to 10000.

The length inputted in this parameter is **considered** only when the **table is not yet created**. If the table already exists, then this value will not be considered.

### Output

- **No Of Message (Integer)**  
Number of messages that are stored in the database.
- **Error (Text)**
  - Provides true if any error occurs.
- **Error Message**
  - Provides the error message.

## Limitations:

- Supports only **SSL** communication between client and server.
- Supported databases - mySql, mariaDB, Oracle and MS SQL.