

MQTT broker has been successfully interfaced by OMCR Supplier  
MES has been successfully interfaced by STAMEC Manufacturing  
Instantiate InteractionType **Purchase Quotations** From Stamec to OMCR

Structure information:

Interaction Type: **Purchase Quotations**

Relationship: **Manufacturing-Suppliers**

Active Entities: **OMCR Supplier**<sup>(Receiver)</sup> **STAMEC Manufacturing**<sup>(Sender)</sup>

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Interaction results:

The sender **STAMEC Manufacturing** sent the message '***Please, provide me an estimation cost for Part Number 01***' to the receiver **OMCR Supplier**

The receiver **OMCR Supplier** received the message '***Please, provide me an estimation cost for Part Number 01***' from the sender **STAMEC Manufacturing**

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MQTT broker has been successfully interfaced by DAYTON Supplier  
Re instantiate the previous InteractionType **Purchase Quotations** by adding  
DAYTON as new receiver

Structure information:

Interaction Type: **Purchase Quotations**

Relationship: **Manufacturing-Suppliers**

Active Entities: **OMCR Supplier**<sup>(Receiver)</sup> **STAMEC Manufacturing**<sup>(Sender)</sup>  
**DAYTON Supplier**<sup>(Receiver)</sup>

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Interaction results:

The sender **STAMEC Manufacturing** sent the message '***Please, provide me an estimation cost for Part Number 01***' to the receiver **OMCR Supplier**

The receiver **OMCR Supplier** received the message '***Please, provide me an estimation cost for Part Number 01***' from the sender **STAMEC Manufacturing**

The sender **STAMEC Manufacturing** sent the message '***Please, provide me an estimation cost for Part Number 01***' to the receiver **DAYTON Supplier**

The receiver **DAYTON Supplier** received the message '***Please, provide me an estimation cost for Part Number 01***' from the sender **STAMEC Manufacturing**

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Re instantiate the previous InteractionType **Purchase Quotations** by defining a  
new message

Structure information:

Interaction Type: **Purchase Quotations**

Relationship: **Manufacturing-Suppliers**

Active Entities: **OMCR Supplier**<sup>(Receiver)</sup> **STAMEC Manufacturing**<sup>(Sender)</sup>  
**DAYTON Supplier**<sup>(Receiver)</sup>

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Interaction results:

The sender **STAMEC Manufacturing** sent the message '*Please, provide me an estimation cost for Part Number 02*' to the receiver **OMCR Supplier**

The receiver **OMCR Supplier** received the message '*Please, provide me an estimation cost for Part Number 02*' from the sender **STAMEC Manufacturing**

The sender **STAMEC Manufacturing** sent the message '*Please, provide me an estimation cost for Part Number 02*' to the receiver **DAYTON Supplier**

The receiver **DAYTON Supplier** received the message '*Please, provide me an estimation cost for Part Number 02*' from the sender **STAMEC Manufacturing**

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Re instantiate the previous InteractionType **Purchase Quotations** by simulating the responses from receivers.

This can be easily obtained by interchanging roles (by setting Stamec as the receiver and DAYTON,OMCR as senders)

and by setting a custom message provided by each senders

Structure information:

Interaction Type: **Purchase Quotations**

Relationship: **Manufacturing-Suppliers**

Active Entities: **OMCR Supplier**<sup>(Sender)</sup> **STAMEC Manufacturing**<sup>(Receiver)</sup>

**DAYTON Supplier**<sup>(Sender)</sup>

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Interaction results:

The sender **OMCR Supplier** sent the message '*The parts number 01 and 02 you previously required costs, respectively, 1000 and 1020*' to the receiver **STAMEC Manufacturing**

The receiver **STAMEC Manufacturing** received the message '*The parts number 01 and 02 you previously required costs, respectively, 1000 and 1020*' from the sender **OMCR Supplier**

The sender **DAYTON Supplier** sent the message '*The parts number 01 and 02 you previously required costs, respectively, 1200 and 1280. Discount of 20% within the end of current month*' to the receiver **STAMEC Manufacturing**

The receiver **STAMEC Manufacturing** received the message '*The parts number 01 and 02 you previously required costs, respectively, 1200 and 1280. Discount of 20% within the end of current month*' from the sender **DAYTON Supplier**

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