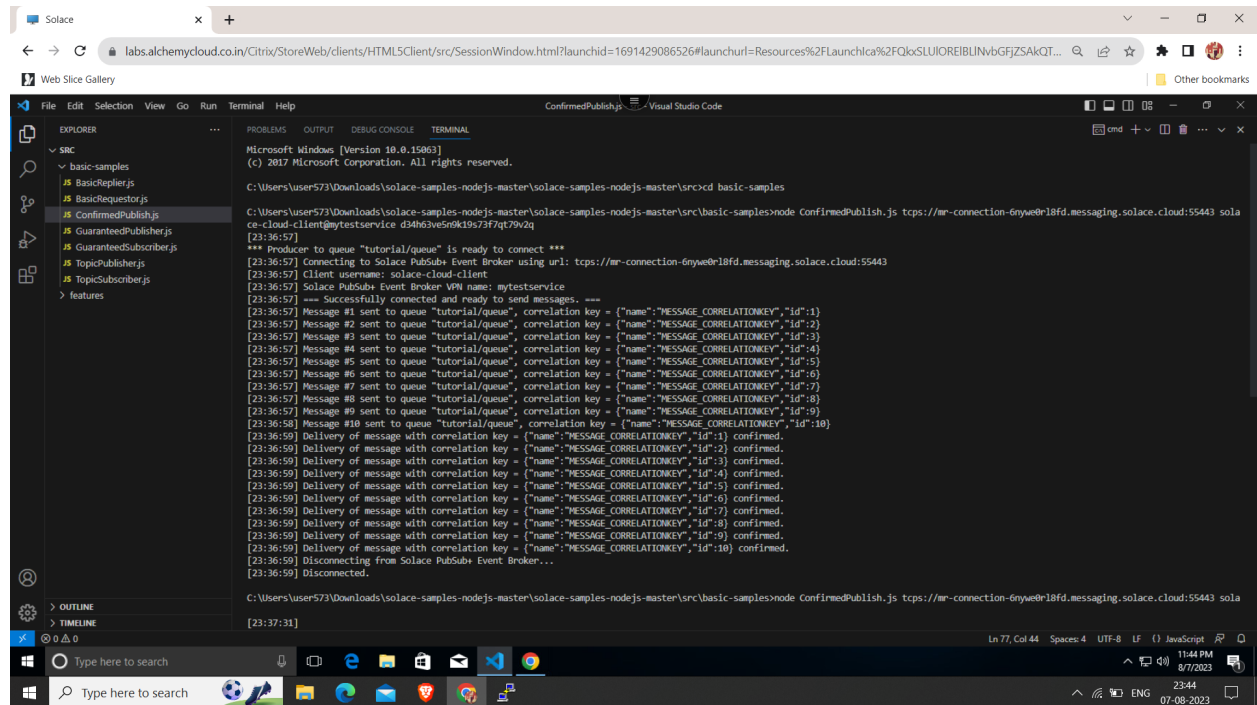


CONFIRMED DELIVERY



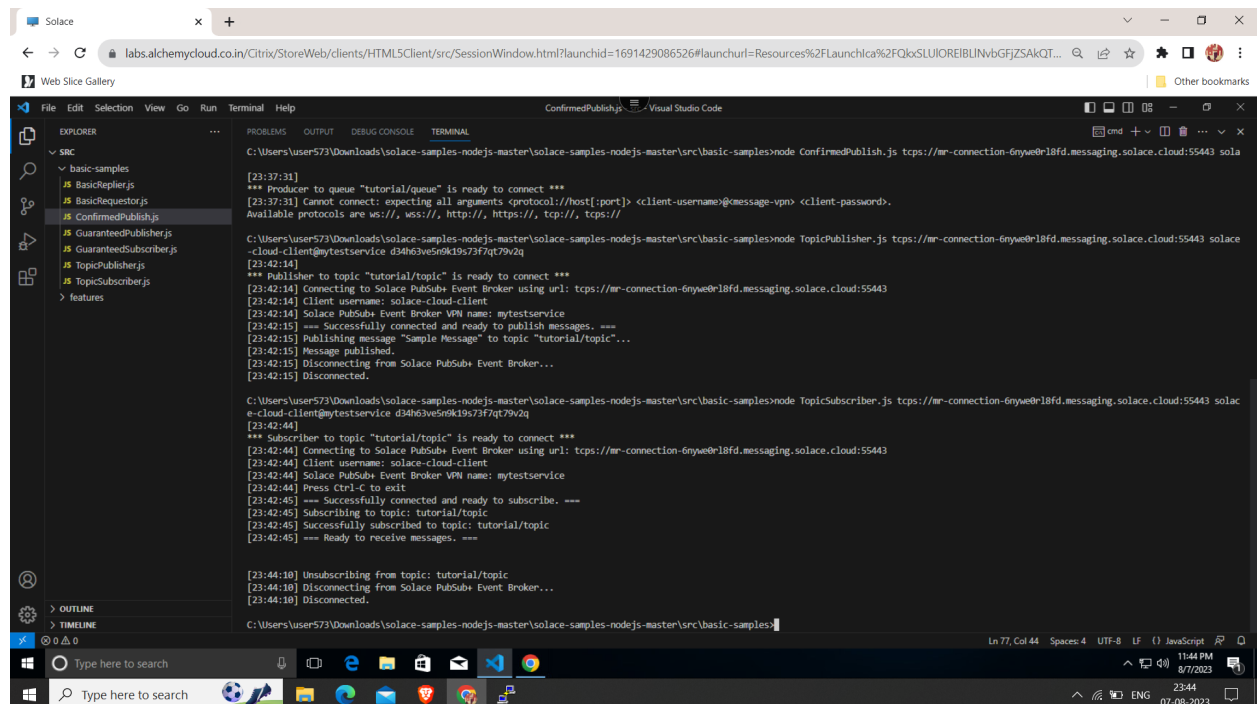
The screenshot shows a web browser window at the top with the URL `labs.alchemycloud.co.uk/Citrix/StoreWeb/clients/HTML5Client/src/SessionWindow.html?launchid=1691429086526#launchurl=Resources%2FLaunchca%2FQkxSLUIOREIBUNvbGfJZSAKQT...`. Below the browser is a Visual Studio Code window with the file `ConfirmedPublish.js` open. The terminal output shows the following sequence of events:

```
Microsoft Windows [Version 10.0.15063]
(c) 2017 Microsoft Corporation. All rights reserved.

C:\Users\User573\Downloads\solace-samples-nodejs-master\solace-samples-nodejs-master\src>cd basic-samples

C:\Users\User573\Downloads\solace-samples-nodejs-master\solace-samples-nodejs-master\src>node ConfirmedPublish.js https://mr-connection-6nyw@r18fd.messaging.solace.cloud:55443 sola
ce-cloud-client@mytestservice d34h63ve5n6k19s73f7qt79v2q
[23:36:57]
*** Producer to queue "tutorial/queue" is ready to connect ***
[23:36:57] Connecting to Solace PubSub+ Event Broker using url: https://mr-connection-6nyw@r18fd.messaging.solace.cloud:55443
[23:36:57] Client username: solace-cloud-client
[23:36:57] Solace PubSub+ Event Broker VPN name: mytestservice
[23:36:57] === Successfully connected and ready to send messages. ===
[23:36:57] Message #1 sent to queue "tutorial/queue", correlation key = {"name":"MESSAGE_CORRELATIONKEY","id":1}
[23:36:57] Message #2 sent to queue "tutorial/queue", correlation key = {"name":"MESSAGE_CORRELATIONKEY","id":2}
[23:36:57] Message #3 sent to queue "tutorial/queue", correlation key = {"name":"MESSAGE_CORRELATIONKEY","id":3}
[23:36:57] Message #4 sent to queue "tutorial/queue", correlation key = {"name":"MESSAGE_CORRELATIONKEY","id":4}
[23:36:57] Message #5 sent to queue "tutorial/queue", correlation key = {"name":"MESSAGE_CORRELATIONKEY","id":5}
[23:36:57] Message #6 sent to queue "tutorial/queue", correlation key = {"name":"MESSAGE_CORRELATIONKEY","id":6}
[23:36:57] Message #7 sent to queue "tutorial/queue", correlation key = {"name":"MESSAGE_CORRELATIONKEY","id":7}
[23:36:57] Message #8 sent to queue "tutorial/queue", correlation key = {"name":"MESSAGE_CORRELATIONKEY","id":8}
[23:36:57] Message #9 sent to queue "tutorial/queue", correlation key = {"name":"MESSAGE_CORRELATIONKEY","id":9}
[23:36:58] Message #10 sent to queue "tutorial/queue", correlation key = {"name":"MESSAGE_CORRELATIONKEY","id":10}
[23:36:59] Delivery of message with correlation key = {"name":"MESSAGE_CORRELATIONKEY","id":1} confirmed.
[23:36:59] Delivery of message with correlation key = {"name":"MESSAGE_CORRELATIONKEY","id":2} confirmed.
[23:36:59] Delivery of message with correlation key = {"name":"MESSAGE_CORRELATIONKEY","id":3} confirmed.
[23:36:59] Delivery of message with correlation key = {"name":"MESSAGE_CORRELATIONKEY","id":4} confirmed.
[23:36:59] Delivery of message with correlation key = {"name":"MESSAGE_CORRELATIONKEY","id":5} confirmed.
[23:36:59] Delivery of message with correlation key = {"name":"MESSAGE_CORRELATIONKEY","id":6} confirmed.
[23:36:59] Delivery of message with correlation key = {"name":"MESSAGE_CORRELATIONKEY","id":7} confirmed.
[23:36:59] Delivery of message with correlation key = {"name":"MESSAGE_CORRELATIONKEY","id":8} confirmed.
[23:36:59] Delivery of message with correlation key = {"name":"MESSAGE_CORRELATIONKEY","id":9} confirmed.
[23:36:59] Delivery of message with correlation key = {"name":"MESSAGE_CORRELATIONKEY","id":10} confirmed.
[23:36:59] Disconnecting from Solace PubSub+ Event Broker...
[23:36:59] Disconnected.
```

Publish/Subscribe



The screenshot shows a web browser window at the top with the same URL as the first image. Below the browser is a Visual Studio Code window with the file `ConfirmedPublish.js` open. The terminal output shows the following sequence of events:

```
C:\Users\User573\Downloads\solace-samples-nodejs-master\solace-samples-nodejs-master\src>node ConfirmedPublish.js https://mr-connection-6nyw@r18fd.messaging.solace.cloud:55443 sola
ce-cloud-client@mytestservice d34h63ve5n6k19s73f7qt79v2q
[23:37:31]
*** Producer to queue "tutorial/queue" is ready to connect ***
[23:37:31] Cannot connect: expecting all arguments {protocol://host[:port]} <client-username>@<message-vpn> <client-password>.
Available protocols are ws://, wss://, http://, https://, tcp://, tps://

C:\Users\User573\Downloads\solace-samples-nodejs-master\solace-samples-nodejs-master\src>node TopicPublisher.js https://mr-connection-6nyw@r18fd.messaging.solace.cloud:55443 solac
e-cloud-client@mytestservice d34h63ve5n6k19s73f7qt79v2q
[23:42:14]
*** Publisher to topic "tutorial/topic" is ready to connect ***
[23:42:14] Connecting to Solace PubSub+ Event Broker using url: https://mr-connection-6nyw@r18fd.messaging.solace.cloud:55443
[23:42:14] Client username: solace-cloud-client
[23:42:14] Solace PubSub+ Event Broker VPN name: mytestservice
[23:42:15] === Successfully connected and ready to publish messages. ===
[23:42:15] Publishing message "Sample Message" to topic "tutorial/topic"...
[23:42:15] Message published.
[23:42:15] Disconnecting from Solace PubSub+ Event Broker...
[23:42:15] Disconnected.

C:\Users\User573\Downloads\solace-samples-nodejs-master\solace-samples-nodejs-master\src>node TopicSubscriber.js https://mr-connection-6nyw@r18fd.messaging.solace.cloud:55443 solac
e-cloud-client@mytestservice d34h63ve5n6k19s73f7qt79v2q
[23:42:44]
*** Subscriber to topic "tutorial/topic" is ready to connect ***
[23:42:44] Connecting to Solace PubSub+ Event Broker using url: https://mr-connection-6nyw@r18fd.messaging.solace.cloud:55443
[23:42:44] Client username: solace-cloud-client
[23:42:44] Solace PubSub+ Event Broker VPN name: mytestservice
[23:42:44] Press Ctrl-C to exit
[23:42:45] === Successfully connected and ready to subscribe. ===
[23:42:45] Subscribing to topic: tutorial/topic
[23:42:45] Successfully subscribed to topic: tutorial/topic
[23:42:45] === Ready to receive messages. ===

[23:44:10] Unsubscribing from topic: tutorial/topic
[23:44:10] Disconnecting from Solace PubSub+ Event Broker...
[23:44:10] Disconnected.
```

Request/Reply

The screenshot shows a Visual Studio Code window with the Explorer pane on the left displaying a project structure for 'basic-samples'. The main editor area shows the 'BasicReplier.js' file. The terminal pane at the bottom displays the following log output:

```
[23:44:10] Unsubscribing from topic: tutorial/topic
[23:44:10] Disconnecting from Solace PubSub+ Event Broker...
[23:44:10] Disconnected.

C:\Users\User573\Downloads\solace-samples-nodejs-master\solace-samples-nodejs-master\src\basic-samples\node BasicReplier.js tps://mr-connection-6nyw@r18fd.messaging.solace.cloud:55443 solace-cloud-client@mytestservice d34h63ve5n9k19s73f7qt79v2q
[23:46:08] *** replier to topic "tutorial/topic" is ready to connect ***
[23:46:08] Connecting to Solace PubSub+ Event Broker using url: tps://mr-connection-6nyw@r18fd.messaging.solace.cloud:55443
[23:46:08] Client username: solace-cloud-client
[23:46:08] Solace PubSub+ Event Broker VPN name: mytestservice
[23:46:08] Press Ctrl-C to exit
[23:46:09] === Successfully connected and ready to subscribe to request topic. ===
[23:46:09] Subscribing to topic: tutorial/topic
[23:46:09] Successfully subscribed to request topic: tutorial/topic
[23:46:09] === Ready to receive requests. ===

[23:46:15] Unsubscribing from topic: tutorial/topic
[23:46:16] Successfully unsubscribed from request topic: tutorial/topic
[23:46:16] Disconnecting from Solace PubSub+ Event Broker...
[23:46:16] Disconnected.

C:\Users\User573\Downloads\solace-samples-nodejs-master\solace-samples-nodejs-master\src\basic-samples\node BasicRequestor.js tps://mr-connection-6nyw@r18fd.messaging.solace.cloud:55443 solace-cloud-client@mytestservice d34h63ve5n9k19s73f7qt79v2q
[23:46:35] *** requestor to topic "tutorial/topic" is ready to connect ***
[23:46:35] Connecting to Solace PubSub+ Event Broker using url: tps://mr-connection-6nyw@r18fd.messaging.solace.cloud:55443
[23:46:35] Client username: solace-cloud-client
[23:46:35] Solace PubSub+ Event Broker VPN name: mytestservice
[23:46:36] === Successfully connected and ready to send requests. ===
[23:46:36] Sending request "Sample Request" to topic "tutorial/topic"...
[23:46:41] Request failure: [function: [nodejs.util.inspect.custom]] {
  sessionEventCode: "REQUEST_TIMEOUT (9)",
  infoStr: "Request timeout",
  responseCode: "REQT",
  errorSubcode: "TIMEOUT (4)",
  correlationKey: null,
  reason: null
}
```

Guaranteed publisher/subscriber

The screenshot shows a Visual Studio Code window with the Explorer pane on the left displaying a project structure for 'basic-samples'. The main editor area shows the 'GuaranteedPublisher.js' file. The terminal pane at the bottom displays the following log output:

```
[23:46:41] Disconnecting from Solace PubSub+ Event Broker...
[23:46:41] Disconnected.

C:\Users\User573\Downloads\solace-samples-nodejs-master\solace-samples-nodejs-master\src\basic-samples\node GuaranteedPublisher.js tps://mr-connection-6nyw@r18fd.messaging.solace.cloud:55443 solace-cloud-client@mytestservice d34h63ve5n9k19s73f7qt79v2q
[23:52:17] *** publisher to topic "solace/samples/nodejs/pers" is ready to connect ***
[23:52:17] Connecting to Solace PubSub+ Event Broker using url: tps://mr-connection-6nyw@r18fd.messaging.solace.cloud:55443
[23:52:17] Client username: solace-cloud-client
[23:52:17] Solace PubSub+ Event Broker VPN name: mytestservice
[23:52:18] === Successfully connected and ready to publish messages. ===
[23:52:18] Publishing message "Sample Message" to topic "solace/samples/nodejs/pers/1691432538562"...
[23:52:18] Message sent with correlation key: 1691432538562
[23:52:19] Delivery of message to PubSub+ Broker with correlation key = 1691432538562 confirmed.
[23:52:19] Disconnecting from Solace PubSub+ Event Broker...
[23:52:19] Disconnected.

C:\Users\User573\Downloads\solace-samples-nodejs-master\solace-samples-nodejs-master\src\basic-samples\node GuaranteedSubscriber.js tps://mr-connection-6nyw@r18fd.messaging.solace.cloud:55443 solace-cloud-client@mytestservice d34h63ve5n9k19s73f7qt79v2q
[23:52:40] *** Consumer to queue "tutorial/queue" is ready to connect ***
[23:52:40] Connecting to Solace PubSub+ Event Broker using url: tps://mr-connection-6nyw@r18fd.messaging.solace.cloud:55443
[23:52:40] Client username: solace-cloud-client
[23:52:40] Solace PubSub+ Event Broker VPN name: mytestservice
[23:52:40] Press Ctrl-C to exit
[23:52:41] === Successfully connected and ready to start the message subscriber. ===
[23:52:41] Starting subscriber for queue: tutorial/queue
[23:52:41] Subscribing to topic: solace/samples/nodejs/pers/>
[23:52:41] === Ready to receive messages. ===
[23:52:41] Received message: "Sample Message", details:
Destination: [Queue tutorial/queue]
Class Of Service: COS1
DeliveryMode: PERSISTENT
Message Id: 13
Replication Group Message Id: rmd1:2668f-f10c33089e-00000000-00000000
Binary Attachment: len=14
53 61 6d 70 6c 65 20 4d 65 73 73 61 67 65 Sample.Message

[23:52:41] Received message: "Sample Message", details:
Destination: [Queue tutorial/queue]
Class Of Service: COS1
```

Solace

labs.alchemycloud.co.uk/Citrix/StoreWeb/clients/HTML5Client/src/SessionWindow.html?launchid=1691429086526#launchurl=Resources%2FLaunchica%2FQkxSLUIOREIBUNvbgfJZSAKQT...

Web Slice Gallery

GuaranteedPublisher.js - Visual Studio Code

EXPLORER

- SRC
 - basic-samples
 - BasicReplier.js
 - BasicRequestor.js
 - ConfirmedPublisher.js
 - GuaranteedPublisher.js
 - GuaranteedSubscriber.js
 - TopicPublisher.js
 - TopicSubscriber.js
 - features
- OUTLINE
- TIMELINE

PROBLEMS

OUTPUT

DEBUG CONSOLE

TERMINAL

```
Class Of Service: COS1
DeliveryMode: PERSISTENT
Message Id: 18
Replication Group Message Id: rwmid:2668f-f10c330389e-00000000-00000012
Binary Attachment: len-14
53 61 6d 70 6c 65 20 4d 65 73 73 61 67 65 Sample.Message

[23:52:41] Received message: "Sample Message", details:
Destination: [Queue tutorial/queue]
Class Of Service: COS1
DeliveryMode: PERSISTENT
Message Id: 19
Replication Group Message Id: rwmid:2668f-f10c330389e-00000000-00000013
Binary Attachment: len-14
53 61 6d 70 6c 65 20 4d 65 73 73 61 67 65 Sample.Message

[23:52:41] Received message: "Sample Message", details:
Destination: [Queue tutorial/queue]
Class Of Service: COS1
DeliveryMode: PERSISTENT
Message Id: 20
Replication Group Message Id: rwmid:2668f-f10c330389e-00000000-00000014
Binary Attachment: len-14
53 61 6d 70 6c 65 20 4d 65 73 73 61 67 65 Sample.Message

[23:52:41] Received message: "Sample Message", details:
Destination: [Queue tutorial/queue]
Class Of Service: COS1
DeliveryMode: PERSISTENT
Message Id: 21
Replication Group Message Id: rwmid:2668f-f10c330389e-00000000-00000015
Binary Attachment: len-14
53 61 6d 70 6c 65 20 4d 65 73 73 61 67 65 Sample.Message

[23:52:41] Received message: "Sample Message", details:
Destination: [Queue tutorial/queue]
Class Of Service: COS1
DeliveryMode: PERSISTENT
Message Id: 22
```

Ln 1, Col 1 Spaces 4 UTF-8 LF (1) JavaScript

11:53 PM 8/7/2023

Type here to search

Type here to search

23:53 07-08-2023

Solace

labs.alchemycloud.co.uk/Citrix/StoreWeb/clients/HTML5Client/src/SessionWindow.html?launchid=1691429086526#launchurl=Resources%2FLaunchica%2FQkxSLUIOREIBUNvbgfJZSAKQT...

Web Slice Gallery

GuaranteedPublisher.js - Visual Studio Code

EXPLORER

- SRC
 - basic-samples
 - BasicReplier.js
 - BasicRequestor.js
 - ConfirmedPublisher.js
 - GuaranteedPublisher.js
 - GuaranteedSubscriber.js
 - TopicPublisher.js
 - TopicSubscriber.js
 - features
- OUTLINE
- TIMELINE

PROBLEMS

OUTPUT

DEBUG CONSOLE

TERMINAL

```
Message Id: 21
Replication Group Message Id: rwmid:2668f-f10c330389e-00000000-00000015
Binary Attachment: len-14
53 61 6d 70 6c 65 20 4d 65 73 73 61 67 65 Sample.Message

[23:52:41] Received message: "Sample Message", details:
Destination: [Queue tutorial/queue]
Class Of Service: COS1
DeliveryMode: PERSISTENT
Message Id: 22
Replication Group Message Id: rwmid:2668f-f10c330389e-00000000-00000016
Binary Attachment: len-14
53 61 6d 70 6c 65 20 4d 65 73 73 61 67 65 Sample.Message

[23:52:41] Received message: "Sample Message", details:
Destination: [Topic tutorial/topic]
Class Of Service: COS1
DeliveryMode: NON_PERSISTENT
Message Id: 23
Replication Group Message Id: rwmid:2668f-f10c330389e-00000000-00000017
Binary Attachment: len-14
53 61 6d 70 6c 65 20 4d 65 73 73 61 67 65 Sample.Message

[23:52:41] Received message: "Sample Request ", details:
Destination: [Topic tutorial/topic]
CorrelationId: #REQ1
Class Of Service: COS1
DeliveryMode: NON_PERSISTENT
Message Id: 24
Replication Group Message Id: rwmid:2668f-f10c330389e-00000000-00000018
ReplyTo: [Topic #P29/v:ct02yes3pr0primary/Dr2lHqzx/solclientjs/node-18.17.0-Windows-10.0.15063-x64/2737347529/0001/_]
Binary Attachment: len-17
1c 11 53 61 6d 70 6c 65 20 52 65 71 75 65 73 74 ..Sample.Request
00

[23:52:41] Cannot subscribe to topic Topic: solace/samples/nodejs/pers/>
```

Ln 1, Col 1 Spaces 4 UTF-8 LF (1) JavaScript

11:53 PM 8/7/2023

Type here to search

Type here to search

23:53 07-08-2023