

→Creat a Queue name = practice02

→Subscribe to the topic = practice/day/wed

solace-primary-0> enable

solace-primary-0# configure

solace-primary-0(configure)# message-spool message-vpn testing-sample-01

solace-primary-0(configure/message-spool)# create queue practice01

solace-primary-0(configure/message-spool/queue)# no shutdown

solace-primary-0(configure/message-spool/queue)# no shut

solace-primary-0(configure/message-spool/queue)# max-message-size 50

solace-primary-0(configure/message-spool/queue)# max-spool-usage 50

solace-primary-0(configure/message-spool/queue)# permission all consume

solace-primary-0(configure/message-spool/queue)# no shut

solace-primary-0(configure/message-spool/queue)# show queue practice02

Flags Legend:

I - Ingress Admin State (U=Up, D=Down)

E - Egress Admin State (U=Up, D=Down)

A - Access-Type (E=Exclusive, N=Non-Exclusive)

S - Selector (Y=Yes, N=No)

D - Durability (D=Durable, N=Non-Durable)

P - Priority (Y=Yes, N=No)

Queue Name	Messages	Spool	Bind Status
Message VPN	Spooled	Usage(MB)	HWM (MB) Count I E A S D P
practice01			
testing-sample-01	0	0.00	0.00 0 U U E N D N

developer-production-q1ltkz0tkmp-solace-primary-0(configure/message-spool/queue)# show queue practice01 detail

Name : practice02
Message VPN : testing-sample-01
Durability : Durable
Id : 3
Admin Ingress : Up
Admin Egress : Up
Access Type : Exclusive
Partition Count : 0
Owner :
Created by mgmt : Yes
All Others Permission : Consume (1100)
Quota (MB) : 50

```

Respect Message Priority      : No
Respect TTL                   : No
Max TTL (Seconds)            : 0 (Disabled)
Well Known                   : Yes
Reject Msg to Sender on Discard : Yes
    Including When Shutdown   : No
Bind Time Forwarding Mode     : Store-And-Forward
Current Messages Spooled      : 0
Current Spool Usage (MB)      : 0.0000
High Water Mark (MB)          : 0.0000
---Press any key to continue, or `q` to quit---
Total Delivered Unacked Msgs  : 0
Max Delivered Unacked Msgs Per Flow : 10000
Total Acknowledgments In-Progress : 0
Redelivery                   : Enabled
    Max Redelivery            : 0
    Redelivery Delay          : Disabled
    Multiplier                 : 2.00
    Initial Interval (ms)      : 1000
    Max Interval (ms)          : 64000
Delivery Count Enabled        : No
Delivery Delay (Seconds)      : 0
Consumer Ack Propagation      : Yes
Reject Low-Priority-Msg       : No
Reject Low-Priority-Msg Limit : 0
Low-Priority-Msg Congestion State : Disabled
Oldest Msg Id in Spool        : N/A
Newest Msg Id in Spool        : N/A
Max Msg Size Allowed (B)      : 50
Bind Count                    : 0
Max Bind Count                 : 1000
Topic Subscription Count       : 0
Network Topic                  : #P2P/QUE/practice01
Egress Selector Present        : No
---Press any key to continue, or `q` to quit---
Dead Message Queue             : #DEAD_MSG_QUEUE

```

Event Threshold	Set Value	Clear Value
Bind count	80%(800)	60%(600)
Spool usage (MB)	25%(12)	18%(9)
Reject Low-Priority-Msg Limit	80%(0)	60%(0)

Egress Flows

solace-primary-0(configure/message-spool/queue)# subscription topic practice/day/wed
solace-primary-0(configure/message-spool/queue)#

→Populating the queue created using Solace CLI

The screenshot shows a VS Code editor window with the file `TopicPublisher.js` open. The file contains the following code:

```
src > basic-samples > JS TopicPublisher.js > 100 publisher
150     return publisher;
151 };
152
153 var solace = require('solclientjs').debug; // logging supported
154
155 // Initialize factory with the most recent API defaults
156 var factoryProps = new solace.SolclientFactoryProperties();
157 factoryProps.profile = solace.SolclientFactoryProfiles.version10;
158 solace.SolclientFactory.init(factoryProps);
159
160 // enable logging to JavaScript console at WARN level
161 // NOTICE: works only with ('solclientjs').debug
162 solace.SolclientFactory.setLogLevel(solace.LogLevel.WARN);
163
164 // create the publisher, specifying the name of the subscription topic
165 var publisher = new TopicPublisher(solace, 'practice/day/wed');
166
167 // publish message to Solace PubSub+ Event Broker
168 publisher.run(process.argv);
169
```

The terminal output shows the following logs:

```
C:\Users\gopinathan\Downloads\solace_training-main\solace_training-main\activities\code\solace-samples-nodejs-master\src\basic-samples> node TopicPublisher.js
[18:30:24] Connecting to Solace PubSub+ Event Broker using url: tps://mr-connection-qshofev5lio.messaging.solace.cloud:55443 solace-cloud-client@testing-sample-01 con8pammarle3eh27d3ndbfafa
[18:30:24] client username: solace-cloud-client
[18:30:24] Solace PubSub+ Event Broker VM name: testing-sample-01
[18:30:26] === Successfully connected and ready to publish messages. ===
[18:30:26] Publishing message "Sample Message from vijay" to topic "practice/day/wed"...
[18:30:26] Message published.
[18:30:26] Disconnecting from Solace PubSub+ Event Broker...
[18:30:26] Disconnected.
```

Queues | practiceeq2

Summary Settings Subscriptions Consumers Messages Queued Stats

1 Messages Queued

Message ID	Spooled Time	Content Size (B)	Attachment Size (B)	Priority	Undeliver...	Redeliveries	DMQ Eligible	Replication State
4	2023-08-10 18:30:25	0	25		Yes	0	No	Not replicated
<div><div><div>Publisher ID:</div><div>Sequence Number: N/A</div><div>Replication State: Not replicated</div></div><div><div>Replication Mate Msg ID: N/A</div><div>Expiry Time: N/A</div><div>Replication Group</div><div>Message ID: -00000004</div></div><div><div>Delivery Eligible Time: N/A</div><div>Partition Key:</div><div>Partition Key Hash: 0</div></div></div>								