

→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
ERROR: Egress flow must be shutdown prior to changing the permissions
Command Failed
```

```
solace-primary-0(configure/message-spool/queue)# shut
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
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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

```

src > basic-samples > JS TopicPublisher.js > [0] 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
  
```

```

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.con8pam0r1e3eb27d3ndbfafa
[18:30:24] Client username: solace-cloud-client
[18:30:24] Solace PubSub+ Event Broker VPM 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   practiceq2								
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
Publisher ID:		Replication Mate Msg ID: N/A		Delivery Eligible Time: N/A				
Sequence Number: N/A		Expiry Time: N/A		Partition Key:				
Replication State: Not replicated		Replication Group		Partition Key Hash: 0				
		Message ID:		rmid1:2666d-2883e6ce7f3-00000000				
				-000000004				