
**Vendor:** IBM

**Exam Code:** C2180-277

**Exam Name:** IBM WebSphere Message Broker V8.0 System Administration

**Version:** Demo

**QUESTION NO: 1**

A company has the requirement to have their message flow application running on broker BRK1 communicate with the CICS Transaction Server. The message flow application contains CICSRequest node that has security identity defined as mySecurityIdentity. The CICS Transaction server only accepts the transactions from applications if they are sent by the userId user1 with password password1. Which command does the system administrator need to run to set the userId and password on the broker?

**A.** mqsisetdbparms BRK1 -n SecurityIdentity -u user1 -p password1
**B.** mqsisetdbparms BRK1 -n mySecurityIdentity -u user1 -p password1
**C.** mqsisetdbparms BRK1 -n cics::SecurityIdentity -u user1 -p password1
**D.** mqsisetdbparms BRK1 -n cics::mySecurityIdentity -u user1 -p password1

**Answer: D**
**Explanation:**

**QUESTION NO: 2**

A system administrator is configuring Public Key Infrastructure (PKI) for an execution group EG1 that is deployed to broker BRK1. The development team informed the system administrator that their requirement is to send the SOAP requests to an external web service provider. The provider only receives https requests and requires to authenticate the broker requests as well. Which commands does the system administrator need to run to configure PKI at the execution group level?

**A.** mqsichangeproperties BRK1 -e EG1 -o ComIbmJVMManager -n keystoreFile -v keystore.jksmqsichangeproperties BRK1 -e EG1 -o ComIbmJVMManager -n truststoreFile -v truststore.jks
**B.** mqsichangeproperties BRK1 -e EG1 -o ComIbmJVMManager -n keystoreFile -v keystore.jksmqsichangeproperties BRK1 -e EG1 -o HTTPSConnector -n truststoreFile -v truststore.jks
**C.** mqsichangeproperties BRK1 -e EG1 -o ComIbmJVMManager -n keystoreFile -v keystore.jksmqsichangeproperties BRK1 -o BrokerRegistry -n brokerTruststoreFile -v truststore.jks
**D.** mqsichangeproperties BRK1 -o BrokerRegistry -n brokerKeystoreFile -v keystore.jksmqsichangeproperties BRK1 -o BrokerRegistry -n brokerTruststoreFile -v truststore.jks

**Answer: A**
**Explanation:**

**QUESTION NO: 3**

A message flow needs to be secured based on the identity credentials. A system administrator is asked to configure the message flow security for authorization, identity mapping and

authentication. Which one of the following external security providers can the system administrator use?

**A.** WS-Trust V1.3
**B.** WS-SecurityPolicy V1.2
**C.** IBM Tivoli Federated Identity Manager V6.0
**D.** Lightweight Directory Access Protocol (LDAP) V3

**Answer: A**
**Explanation:**

**QUESTION NO: 4**

A system administrator has been asked to configure the security profile to the enterprise TFIM v6.2 security server. The profile is to be used by message flows for authentication mapping and authorization from WebSphere Message Broker BRK1.

The TFIM server information provided is as follows:

Host: TFIM.acme.com
Transport: https
Port: 9443
Path: /TFIM/services/RequestSecurityToken

Which command does the system administer need to run to create the profile?

**A.** mqsicreateconfigurableservice BRK1 -c SecurityProfiles -o myTFIMv62Profile-n authentication,mapping,authorization,authenticationConfig,-v "TFIM",TRUE,"TFIM",https://TFIM.acme.com:9443/TFIM/services/RequestSecurityToken
**B.** mqsicreateconfigurableservice BRK1 -c SecurityProfiles -o myTFIMv62Profile-n authentication,mapping,authorization,mappingConfig-v "TFIM v6.2",TRUE,"TFIM v6.2",https://tfim.acme.com:9443/TFIM/services/RequestSecurityToken
**C.** mqsicreateconfigurableservice BRK1 -c SecurityProfiles -o myTFIMv62Profile-n authentication,mapping,authorization,mappingConfig-v "WS-Trust v1.3 STS","WS-Trust v1.3 STS","WS-Trust v1.3 STS",https://tfim.acme.com:9443/TFIM/services/RequestSecurityToken
**D.** mqsicreateconfigurableservice BRK1 -c SecurityProfiles -o myTFIMV62Profile-n authentication,mapping, authorization,configURL-v TRUE, "TFIM", TRUE,https://tfim.acme.com:9443/TFIM/services/RequestSecurityToken

**Answer: C**

**Explanation:**

**QUESTION NO: 5**

A development team has been notified that all the requests serviced by their SOAPInput node message flow will now contain wsse headers for authentication, encryption and signatures. The system administrator created the security profile with authentication set to use LDAP and asked the development team to associate the flow's BAR file with the security profile and redeploy it to the broker. When the requests were sent to the broker, they were not processed. What did the system administrator miss?

The system administrator missed: 1. creating the policy set

**A.** 2. creating the consumer policy set binding3. putting key information in the policy set4. adding the private keys to the keystore5. pointing the broker to it and giving the names of the policy set and the policy set binding to the developers forassociating them with the BAR file before the redeploy
**B.** 2. creating the provider policy set binding3. putting the key information in the policy set binding4. adding the private keys only to the keystore5. pointing the broker to it and giving the names of the policy set and the policy set binding to the developers forassociating them with the BAR file before the redeploy
**C.** 2. creating the consumer policy set binding3. putting the key information in the policy set4. adding the private and public keys to the keystore and truststore5. pointing the broker to them and giving the names of the policy set and the policy set binding to the developers forassociating them with the BAR file before the redeploy
**D.** 2. creating the provider policy set binding3. putting the key information in the policy set binding4. adding the private and public keys to the keystore and truststore5. pointing the broker to them and giving the names of the policy set and the policy set binding to the developers forassociating them with the BAR file before the redeploy

**Answer: D**
**Explanation:**

**QUESTION NO: 6**

A system administrator is asked to assist a developer who has setup a message flow that uses an HTTP Input node to securely process SOAP messages deployed to run on LINUX broker BRK1. After xdeploying the flow into the production environment, the application invoking the flow is receiving a failure response. What should the system administrator do to get the developer to understand the security exception? Have the developer:

**A.** change the validation property to Content and Value.
**B.** change the identity token type on HTTP Input node to Username.

**C.** change the Fault format property of the HTTP Input Node to SOAP1.2 and retest the failing request.
**D.** set Treat Security Exceptions as normal exceptions property of the HTTP Input Node, redeploy the message flow and retest failingrequest.

**Answer: D**

**Explanation:**

**QUESTION NO: 7**

A system administrator configures a message flow security to perform the end-to-end processing of all identity credentials that are carried in a message through a message flow using IBM Tivoli Federated Identity Manager (TFIM). Which of the following three tasks performed by the security manager require the use of TFIM? (choose 3)

**A.** Authenticate the identity.
**B.** Enable default propagation.
**C.** Map the identity to an alternative identity.
**D.** Extract the identity from an inbound message.
**E.** Propagate either the alternative identity or the original identity with an outbound message.
**F.** Check that either the alternative identity or the original identity is authorized to access the message flow.

**Answer: A,C,F**

**Explanation:**

**QUESTION NO: 8**

The broker administration security has been set up on a broker BRK1 for a developer dev1. In addition to the existing security setting, a system administrator is asked to set security permissions for data capture so that the developer can perform the record and replay actions on the broker. Which command does the system administrator need to run?

**A.** setmqaut -m BRK1 -n "SYSTEM.BROKER.DC.AUTH " -t q -p dev1 +inq +put +set
**B.** setmqaut -m BRK1 -n "SYSTEM.BROKER.DC.AUTH " -t q -p dev1 -all +inq +put
**C.** setmqaut -m BRK1 -n "SYSTEM.BROKER.AUTH.** " -t q -p dev1 +inq +put +set +get
**D.** setmqaut -m BRK1 -n "SYSTEM.BROKER.AUTH.** " -t q -p dev1 -all +inq +put +set +get

**Answer: A**

**Explanation:**

**QUESTION NO: 9**

A system administrator was asked to create a security identity "ftp::FTP1" associated with a user ftpuser1 and its password password1. The message flow containing the FileOutput node with the correct ftp credentials has been deployed to the broker BRK1 on Linux system already. The system administrator ran the command: mqsisetdbparms BRK1 -n ftp::FTP1 -u ftp\user1 -p password1 When the transaction was processed, the output file was not generated on the ftp server and the failure reported incorrect user credentials. What did the system administrator do wrong?

**A.** Supplied incorrect userId and password in the command.
**B.** Used the incorrect format of security identity in the command.
**C.** Added the extra escape character with -u option in the command.
**D.** Did not add an extra escape character with -u option in the command.

**Answer: D**
**Explanation:**

**QUESTION NO: 10**

A company has multiple users that access broker using web user interface. The system administrator of the company has been asked to define security for a group of users in such a way that user1 is able to view all the broker resources, user2 is able to view and modify all the broker resources and user3 is able to view and modify selected broker resources. What does the system administrator need to do?

**A.** Only run the command mqsiwebuseradmin
**B.** Only ensure that broker administration security is active.
**C.** Define security and roles at the Operating system level.
**D.** Ensure broker administration security is active and run the command mqsiwebuseradmin

**Answer: D**
**Explanation:**

**QUESTION NO: 11**

A company has a shared broker environment where each department uses their own execution group. A department's application team wants to increase the throughput of a specific flow. What should the system administrator do to increase the overall through-put without any additional administrative overhead?

**A.** Create multiple BAR files with the same flow and deploy them.
**B.** Create copies of the message flow and deploy them separately.
**C.** Configure the Additional Instances parameter of the message flow to 20.
**D.** Configure the Additional Instances parameter of the message flow to 260.

**Answer: C**

**Explanation:**

**QUESTION NO: 12**

A system administrator is asked by the development team to enable gathering of statistics for GlobalCache and DotNetGC and used by applications deployed to execution group EG1 running on broker BRK1. Which commands does the system administrator need to issue?

**A.** mqsistop BRK1mqsireportresourcestats BRK1 -c active -e EG1mqsistart BRK1
**B.** mqsistop BRK1mqsichangeflowstats BRK1 -c active -e EG1 -s mqsichangeflowstats BRK1 -c active -e EG1 -s ?mqsistart BRK1
**C.** mqsistart BRK1mqsichangeresourcestats BRK1 -c active -e EG1
**D.** mqsistart BRK1mqsichangeflowstats BRK1 -c active -e EG1 -s -f All

**Answer: C**
**Explanation:**

**QUESTION NO: 13**

A system administrator defined one execution group per partner system. Recently, one of the partner systems developed 5 new message flows that processed messages containing large number of repeating elements. The system administrator is asked to tune the DataFlowEngine before deploying these new message flows. How should the system administrator do this?

**A.** Reduce the stack size.
**B.** Reduce the maximum JVM Heap size.
**C.** Increase the stack size.
**D.** Increase the maximum JVM Heap size.

**Answer: C**
**Explanation:**

**QUESTION NO: 14**

A message flow has been deployed with monitoring activated. A system administrator is asked to generate additional monitoring events on the message flow for transaction auditing without redeploying the flow. How should the system administrator do this?

**A.** Create a monitoring profile configurable service and apply it to the message flow.
**B.** Use the Message Broker Explorer to change the monitoring events for the message flow.
**C.** Update the monitoring event source and properties for the message flow using the command mqsireload.
**D.** Reconfigure the monitoring event source and properties for the message flow using the command mqsichangebroker.

**Answer: A**
**Explanation:**

**QUESTION NO: 15**

An application team informs the system administrator that a new flow has performance issues. The system administrator does the analysis and notices that although the flow contains less than 10 nodes and does not contain any complex logic, it is processing very large messages. What should the system administrator do to enhance the DataFlowEngine performance?

**A.** Reduce the stack size.
**B.** Reduce the minimum JVM Heap size.
**C.** Increase the stack size.
**D.** Increase the minimum JVM Heap size.

**Answer: B**
**Explanation:**

**QUESTION NO: 16**

A system administrator is asked to set up the statistical and account data collection for all message flows deployed in the execution group EG1 of broker BRK1 for billing purposes. The system administrator executes command mqsichangeflowstats BRK1 -s -e EG1 -j -c active -n basic What does the administrator need to do to receive the statistical and account data?

**A.** Run command mqsichangebroker to reset data collection interval.
**B.** Run command mqsichangeproperties to define the output destination.
**C.** Run commands mqsireadlog and mqsiformatlog to process the output data from the user trace log.
**D.** Subscribe to $SYS/Broker/BRK1/StatisticsAccounting/snapshot/EG1/# to get the publication message.

**Answer: C**
**Explanation:**

**QUESTION NO: 17**

An application team consults with a system administrator on ways to increase the response time of one of their message flows. The system administrator is also informed that the messages are not that critical, peak volumes are very high and response time should be very low. The system administrator performs a quick analysis of the system data during peak volume processing and notices that the CPU utilization is moderate but I/O operations are very high. How should the administrator suggest to improve the message flow response time?

**A.** Change the messages from persistent to non persistent.
**B.** Create a new execution group and deploy additional instances.
**C.** Increase the Additional Instances of the message flow.
**D.** Increase the maximum JVM Heap Size of the execution group.

**Answer: A**
**Explanation:**

**QUESTION NO: 18**

A system administrator executes the command mqsirestorebroker to restore a broker on a QA environment. However, it is found that the backup file used contains incomplete information associated with the broker. Which of the following situations may result in the failure during creating the backup file?

**A.** The broker is stopped.
**B.** The execution groups are running.
**C.** A deployment is in progress.
**D.** A message flow with a HTTPRequest node is receiving input messages.

**Answer: C**
**Explanation:**

**QUESTION NO: 19**

A system administrator is asked to deploy updated code to execution group EG1 running on broker BRK1. There are 2 message flows deployed to the execution group. After a review, it was found that the deployed flow Req.msgflow should have been named Request.msgflow. The other flow Quote.msgflow needed to be updated to accommodate a bug fix. The updated flow code is provided to the system administrator with all of its dependent resources in two separate BAR files (Request.bar and Quote.bar). Which commands does the system administrator need to issue to successfully deploy the new BAR files?

**A.** mqsideploy BRK1 -e EG1 -a Request.bar -mmqsideploy BRK1 -e EG1 -a Quote.bar
**B.** mqsideploy BRK1 -e EG1 -a Quote.bar -d Req.cmf -mmqsideploy BRK1 -e EG1 -a Request.bar -m
**C.** mqsideploy BRK1 -e EG1 -a Quote.bar -d Request.cmfmqsideploy BRK1 -e EG1 -a Request.bar
**D.** mqsideploy BRK1 -e EG1 -a Request.bar -d Req.msgflowmqsideploy BRK1 -e EG1 -a Quote.bar -d Quote.msgflow -m

**Answer: A**
**Explanation:**

**QUESTION NO: 20**

A system administrator is asked to back up a broker in a production environment by executing the command mqsibackupbroker. Which artifacts should the system administrator expect to be included in the backup file?

**A.** The inflight aggregations.
**B.** The configurable services.
**C.** The user-defined security exits.
**D.** The queues used for the deployed message flows.

**Answer: B**
**Explanation:**

**QUESTION NO: 21**

A system administrator is asked to check whether the deployed HTTP nodes are using the listener embedded in the execution group. Which command should the system administrator run?

**A.** mqsilist
**B.** mqsireportbroker
**C.** mqsireportproperties
**D.** mqsireportresourcestats

**Answer: C**
**Explanation:**

**QUESTION NO: 22**

A system administrator has been asked to configure a database DB1 for record and replay of data in an environment consisting of a broker BRK1. The system administrator created the database and corresponding DataSourceName DB1, the tables for recording data and has given the necessary authorization for BRK1 to access DB1. Which additional database configuration steps does the system administrator need to perform on BRK1 to enable recording of messages processed by a message flow F1 in execution group EG1?

**A.** mqsicreateconfigurableservice BRK1 -c DataStore -o store1 -n dataSourceName,egForRecord,egForView -v DB1,EG1,EG1mqsicreateconfigurableservice BRK1 -c DataSource -o source1 -n dataStore,topic -vstore1,'$SYS/Broker/BRK1/Monitoring/EG1/F1'
**B.** mqsicreateconfigurableservice BRK1 -c DataStore -o store1 -n dataSourceName,egForRecord -v DB1,EG1mqsicreateconfigurableservice BRK1 -c DataSource -o source1 -n dataStore,topic -vstore1,'$SYS/Broker/BRK1/EG1/F1/Monitoring/#'
**C.** mqsicreateconfigurableservice BRK1 -c DataCaptureStore -o store1 -n dataSourceName,egForRecord,egForView -vDB1,EG1,EG1mqsicreateconfigurableservice BRK1 -c DataCaptureSource -o source1 -n dataCaptureStore,topic -

vstore1,'$SYS/Broker/BRK1/Monitoring/EG1/F1'
**D.** mqsicreateconfigurableservice BRK1 -c DataCaptureStore -o store1 -n dataSourceName,egForRecord -v DB1,EG1mqsicreateconfigurableservice BRK1 -c DataCaptureSource -o source1 -n dataCaptureStore,topic -vstore1,'$SYS/Broker/BRK1/EG1/F1/Monitoring/#'

**Answer: C**
**Explanation:**

**QUESTION NO: 23**

A system administrator runs the following command in an environment where EG1 is an execution group running under broker BRK1 mqsistartmsgflow BRK1 -e EG1 -k App1 -m F1 What can the system administrator expect from the successful execution of the command?

**A.** Message flow F1 under application App1 in EG1 is started.
**B.** Message flow F1 and all message flows under application App1 in EG1 are started.
**C.** All message flows under application App1 in EG1 are started except message flow F1.
**D.** All instances of message flow F1 and all message flows under application App1 in EG1 are started.

**Answer: A**
**Explanation:**

**QUESTION NO: 24**

A developer has built a message flow containing a compute node accessing a DataSource name DB1 and would like to deploy to a broker BRK1 running on an AIX system. The system administrator has configured odbc.ini and odbcinst.ini files and has run the mqsisetdbparms command. Which command does the system administrator need to run to verify that the ODBC has been configured correctly?

**A.** mqsilist BRK1 -d2
**B.** mqsicvp DB1 -n BRK1
**C.** mqsicvp -n DB1 -u user -p pwd
**D.** mqsireportproperties BRK1 -e EG1 -o AllReportableEntityNames -r

**Answer: C**
**Explanation:**

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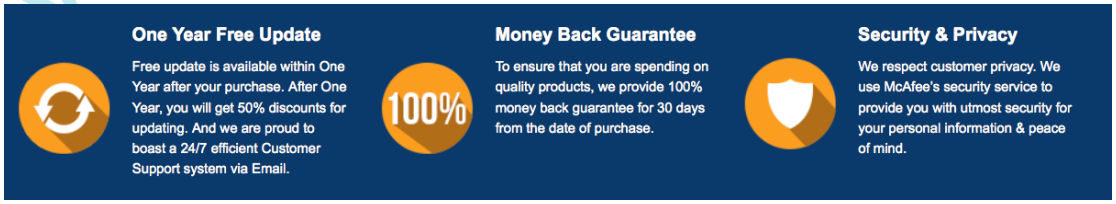


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