

[Overview](#) [Package](#) [Class](#) [Tree](#) [Index](#) [Help](#)
[PREV CLASS](#) [NEXT CLASS](#)
[SUMMARY: NESTED](#) | [FIELD](#) | [CONSTR](#) | [METHOD](#)
[FRAMES](#) [NO FRAMES](#) [All Classes](#)
[DETAIL: FIELD](#) | [CONSTR](#) | [METHOD](#)

gov.ed.fsa.eai.frontend

Interface IEAI**All Known Implementing Classes:**[EAIPool](#)public interface **IEAI****Method Summary**

byte[]	receiveMessageByteArray (java.lang.String strServiceName, int iOlderThanSeconds) Search a queue for messages that are older than a specified number of seconds and return the first message that is.
java.util.ArrayList	receiveMessagesByteArrays (java.lang.String strServiceName, int iOlderThanSeconds) Gets all messages from a queue that are older than a specified number of seconds and returns them in an ArrayList.
java.util.ArrayList	receiveMessagesStrings (java.lang.String strServiceName, int iOlderThanSeconds) Gets all messages from a queue that are older than a specified number of seconds and returns them in an ArrayList.
java.lang.String	receiveMessageString (java.lang.String strServiceName, int iOlderThanSeconds) Search a queue for messages that are older than a specified number of seconds and return the first message that is.
void	sendDatagram (java.lang.String serviceName, byte[] record) This method sends a data packet to another location defined by a String called a "service name".
void	sendDatagram (java.lang.String serviceName, java.lang.String record) This method sends a data packet to another location defined by a String called a "service name".
byte[]	sendRequestReceiveReply (java.lang.String serviceName, byte[] requestRecord, long waitSeconds) This method sends a data packet to another location defined by a String called a "service name", and then waits a caller-specified number of seconds for a reply.

java.lang.String	sendRequestReceiveReply (java.lang.String serviceName, java.lang.String requestRecord, long waitSeconds) This method sends a data packet to another location defined by a String called a "service name", and then waits a caller-specified number of seconds for a reply.
void	setMQCICS (boolean bFlag) Sets message for CICS format.

Method Detail

receiveMessageByteArray

```
public byte[] receiveMessageByteArray(java.lang.String strServiceName,
                                       int iOlderThanSeconds)
    throws EAIException
```

Search a queue for messages that are older than a specified number of seconds and return the first message that is.

Parameters:

`strServiceName` - The service name that defines the MQ transport mechanism.

`iOlderThanSeconds` - The number of seconds a message has been on the queue before it is picked up by this method.

Returns:

The response to the request

Throws:

[EAIException](#) - Thrown in case of internal EAI or MQSeries error.

receiveMessagesByteArrays

```
public java.util.ArrayList receiveMessagesByteArrays(java.lang.String strServiceName
                                                       int iOlderThanSeconds)
    throws EAIException
```

Gets all messages from a queue that are older than a specified number of seconds and returns them in an ArrayList.

Parameters:

`strServiceName` - Used to derive the MQSeries queue name.

`iOlderThanSeconds` - The number of seconds old a message must be to be retrieved.

Returns:

List of messages meeting the time criterion.

Throws:

[EAIException](#) - If an MQ error occurs.

receiveMessagesStrings

```
public java.util.ArrayList receiveMessagesStrings(java.lang.String strServiceName,  
                                                    int iOlderThanSeconds)  
    throws EAIException
```

Gets all messages from a queue that are older than a specified number of seconds and returns them in an ArrayList.

Parameters:

`strServiceName` - Used to derive the MQSeries queue name.

`iOlderThanSeconds` - The number of seconds old a message must be to be retrieved.

Returns:

List of messages meeting the time criterion.

Throws:

[EAIException](#) - If an MQ error occurs.

receiveMessageString

```
public java.lang.String receiveMessageString(java.lang.String strServiceName,  
                                               int iOlderThanSeconds)  
    throws EAIException
```

Search a queue for messages that are older than a specified number of seconds and return the first message that is.

Parameters:

`strServiceName` - The service name that defines the MQ transport mechanism.

`iOlderThanSeconds` - The number of seconds a message has been on the queue before it is picked up by this method.

Returns:

The response to the request

Throws:

[EAIException](#) - Thrown in case of internal EAI or MQSeries error.

sendDatagram

```
public void sendDatagram(java.lang.String serviceName,  
                          byte[] record)  
    throws EAIException
```

This method sends a data packet to another location defined by a String called a "service name". The method by which the "service name" describes the destination is implementation dependant.

Parameters:

`serviceName` - The implementation dependant description of the data destination.

`record` - The packet of data to be transmitted.

[EAIException](#)

sendDatagram

```
public void sendDatagram(java.lang.String serviceName,  
                          java.lang.String record)  
    throws EAIException
```

This method sends a data packet to another location defined by a String called a "service name". The method by which the "service name" describes the destination is implementation dependant.

Parameters:

`serviceName` - The implementation dependant description of the data destination.
`record` - The packet of data to be transmitted.
[EAIException](#)

sendRequestReceiveReply

```
public byte[] sendRequestReceiveReply(java.lang.String serviceName,  
                                       byte[] requestRecord,  
                                       long waitSeconds)  
    throws EAIException
```

This method sends a data packet to another location defined by a String called a "service name", and then waits a caller-specified number of seconds for a reply. The method by which the "service name" describes the destination is implementation dependant.

Parameters:

`serviceName` - The implementation dependant description of the data destination.
`requestRecord` - The packet of data to be transmitted as a request.
`waitSeconds` - The number of seconds to wait for a reply to the request.

Returns:

The reply to the request

Throws:

[EAIException](#) - Thrown if there is an error processing the request or retrieving the response.

sendRequestReceiveReply

```
public java.lang.String sendRequestReceiveReply(java.lang.String serviceName,  
                                                 java.lang.String requestRecord,  
                                                 long waitSeconds)  
    throws EAIException
```

This method sends a data packet to another location defined by a String called a "service name", and then waits a caller-specified number of seconds for a reply. The method by which the "service

name" describes the destination is implementation dependant.

Parameters:

`serviceName` - The implementation dependant description of the data destination.

`requestRecord` - The packet of data to be transmitted as a request.

`waitSeconds` - The number of seconds to wait for a reply to the request.

Returns:

The reply to the request

Throws:

[EAIException](#) - Thrown if there is an error processing the request or retrieving the response.

setMQCICS

```
public void setMQCICS(boolean bFlag)
```

Sets message for CICS format.

[Overview](#) [Package](#) [Class](#) [Tree](#) [Index](#) [Help](#)

[PREV CLASS](#) [NEXT CLASS](#)

[SUMMARY](#): [NESTED](#) | [FIELD](#) | [CONSTR](#) | [METHOD](#)

[FRAMES](#) [NO FRAMES](#) [All Classes](#)

[DETAIL](#): [FIELD](#) | [CONSTR](#) | [METHOD](#)
