

# Using the COBOL Wrapper with EntireX Security

This chapter explains how clients built with the COBOL Wrapper use EntireX Security.

To use EntireX Security you need the following components:

- *Generic RPC Services Modules*
- *The RPC Communication Area (Reference)*

## ➤ To use EntireX Security

1. Set the COMM-ETB-PASSWORD and set COMM-KERNEL-SECURITY to "Y". See *The RPC Communication Area (Reference)*.
2. Log on to the broker with the function Logon LO provided by the generic RPC services module as described under *Using Broker Logon and Logoff*.
  - In the scenarios *Micro Focus (UNIX and Windows), Batch, CICS with Call Interfaces and IMS* in the COBOL Wrapper documentation with the *Call Interface*:

```

...
* Broker Logon
MOVE "2000" TO COMM-VERSION.
MOVE "LO"  TO COMM-FUNCTION.

* Set Broker userid in RPC Communication Area
MOVE "COB-USER"  TO COMM-ETB-USERID.

* Set Broker password/kernelsecurity to use EntireX Security
MOVE "COB-PASS"  TO COMM-ETB-PASSWORD.
MOVE "Y"         TO COMM-KERNEL-SECURITY.

* Call the broker
CALL "COBSRVI" USING ERX-COMMUNICATION-AREA
ON EXCEPTION
...
NOT ON EXCEPTION
...
END-CALL.
* begin of application logic
...

```

- In the scenario *Using the COBOL Wrapper for CICS with DFHCOMMAREA Calling Convention (z/OS and z/VSE)* with the EXEC CICS LINK interface:

```

...
* Broker Logon
MOVE "2000" TO COMM-VERSION.
MOVE "LO"  TO COMM-FUNCTION.

* Set Broker userid in RPC Communication Area
MOVE "COB-USER"  TO COMM-ETB-USERID.

* Set Broker password/kernelsecurity to use EntireX Security

```

```
MOVE "COB-PASS" TO COMM-ETB-PASSWORD.  
MOVE "Y"       TO COMM-KERNEL-SECURITY.  
  
* Call the broker  
EXEC CICS LINK PROGRAM ("COBSRVI")  
                RESP   (CICS-RESP1)  
                RESP2  (CICS-RESP2)  
                COMMAREA (ERX-COMMUNICATION-AREA)  
                LENGTH  (LENGTH OF ERX-COMMUNICATION-AREA)  
  
END-EXEC.  
IF WORKRESP = DFHRESP(NORMAL)  
  IF (COMM-RETURN-CODE = 0) THEN  
*     Perform success-handling  
  ELSE  
*     Perform error-handling  
  END-IF  
ELSE  
*     Perform error-handling  
END-IF.  
  
* begin of application logic  
...
```

3. Issue your RPC requests as without using an explicit logon and logoff.
4. For logoff, see *Using Broker Logon and Logoff*.