Technical Task Answers

Code

Stack Trace

1. Business Classes and Methods Involved

Class Name	Method Name	Line Number
com.server.gateway.client.base.BaseGatewayIntegrationService	executePost	60
com.server.gateway.client.base.BaseTransactionGatewayIntegrationService	find	61
com.server.msales.sales.salesorder.businessmanager.SalesOrderManagerImpl	isTransactionCreatedOnERP	1038, 222
com.server.core.businesslayer.businessmanager.AbstractERPPublishedEntityManager	doActualPublishingInErp	325
com.server.core.businesslayer.businessmanager.AbstractERPPublishedEntityManager	publishInErp	261
com.server.core.businesslayer.businessmanager.AbstractERPPublishedEntityManager	publish	157, 183
com.server.msales.sales.salesorder.handlers.SalesOrderInvoicingHandlerImpl	doBeforeInvoicing	203
com.server.msales.sales.salesorder.businessmanager.SalesOrderManagerImpl	invoice	2377
com.server.msales.sales.salesorder.businessmanager.SalesInvoiceManagerImpl	create	349, 243
com.server.core.businesslayer.businessservice.AbstractSyncEntityServiceImpl	doCreate	51
com.server.core.businesslayer.businessservice.AbstractSyncEntityService	create	64
com.server.core.businesslayer.servicerequest.AbstractSyncServiceDispatcher	dispatch	114

2. Where to Add a Breakpoint for Debugging

   a. The root cause of the error is:

   > org.springframework.web.client.ResourceAccessException: I/O error on POST request for "http://localhost:9090/integration-gateway/salesOrder/find": Connection refused: connect;

   b. This means that the application is trying to send an HTTP request to `http://localhost:9090/integration-gateway/salesOrder/find` , but the connection is refused, likely because:

   - The target service is **not running**.
   - The target service is **listening on a different port**.
   - A **network issue** is preventing the connection.

   Breakpoints to Set:

   1. **Inside** `executePost()` **in** `BaseGatewayIntegrationService.java` **(Line 60)**
      - This is where the `RestTemplate` call is made.
      - Check if the correct URL and request payload are being used.
   2. **Inside** `find()` **in** `BaseTransactionGatewayIntegrationService.java` **(Line 61)**
      - This calls `executePost()` , which makes the HTTP request.
   3. **Inside** `isTransactionCreatedOnERP()` **in** `SalesOrderManagerImpl.java` **(Lines 1038, 222)**
      - This method is triggering the `find()` call.