

Technical Task Answers

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.