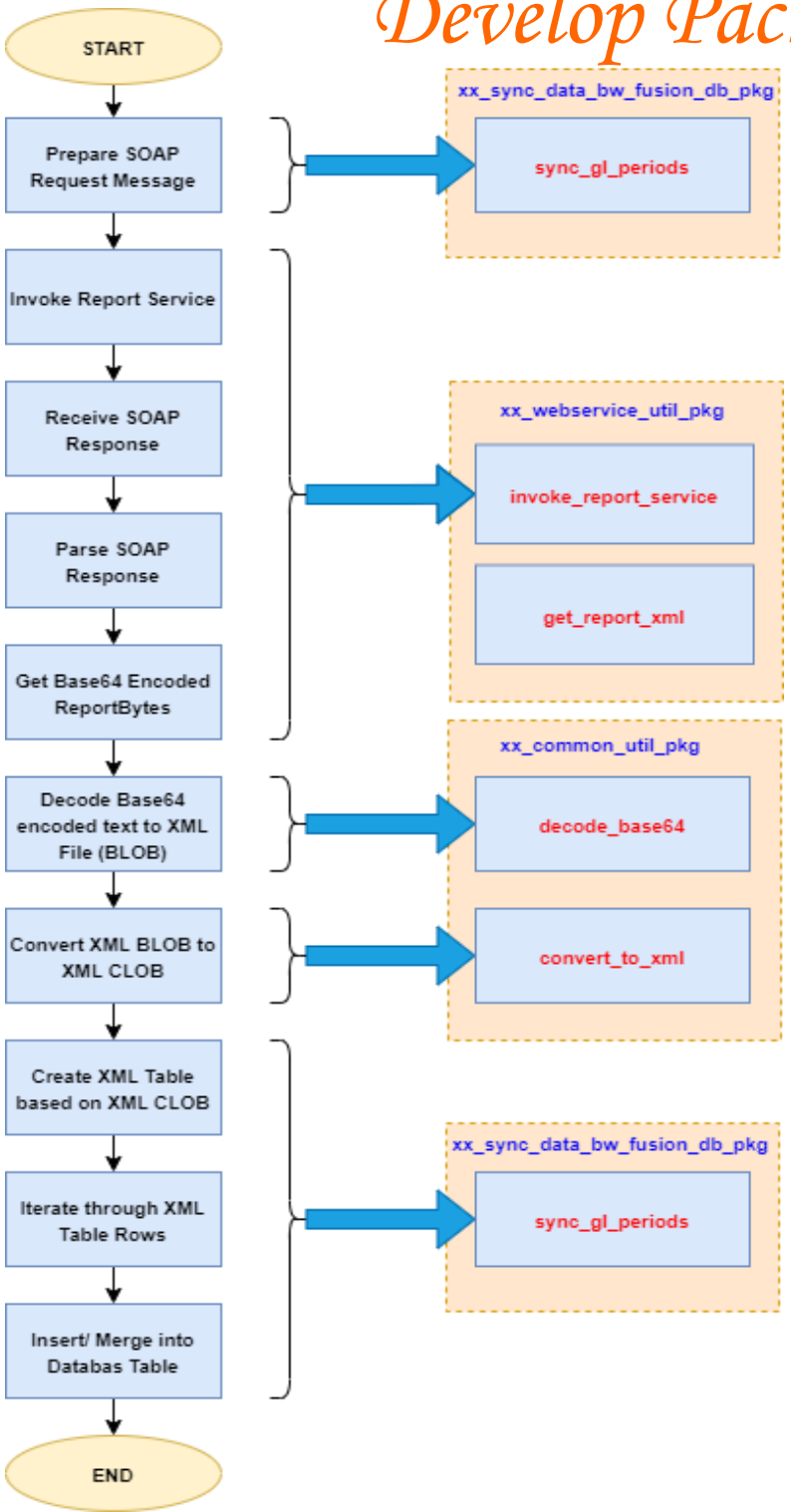
Develop Packages for Data Extraction



Developing the Packages:

1. **xx_sync_data_bw_fusion_db_pkg** is a report specific package implementation.
   - For Every report, there will be one procedure. e.g. **sync_gl_periods** Reason being – Report Parameters, Output Format and DB Table will vary from one report to another.
   - This is the main procedure or starting point for each report. This procedure can have parameters if report has and user needs to paas. The SOAP Request message of the report service will be prepared here.
   - Named as sync_<reportname>
2. **xx_webservice_util_pkg** contains the web service invocation part.
   - **invoke_report_service** will be invoked by all sync procedures. It will take soap payload (CLOB) as input, invoke the report service, parse the soap response and return the Base64 encoded report bytes (CLOB).
   - **get_report_xml** will always return report output as XML (if attribute format is XML). It internally invokes invoke_report_service to get Base64 encoded report bytes, decodes base64 into XML file, converts XML file into XML CLOB content. It will take soap payload (CLOB) as input and returns XML content as CLOB.

TIP: If you want to get the report output in csv/ text, you can develop something **get_report_csv**

3. **xx_common_util_pkg** contains the commonly used utility procedures and fuctions.
   - **decode_base64** takes base64 encoded text (CLOB) as input and returns file as BLOB.
   - **convert_to_xml** takes file BLOB (not Binary files e.g. image, PDF) as input and returns the content of the file as CLOB

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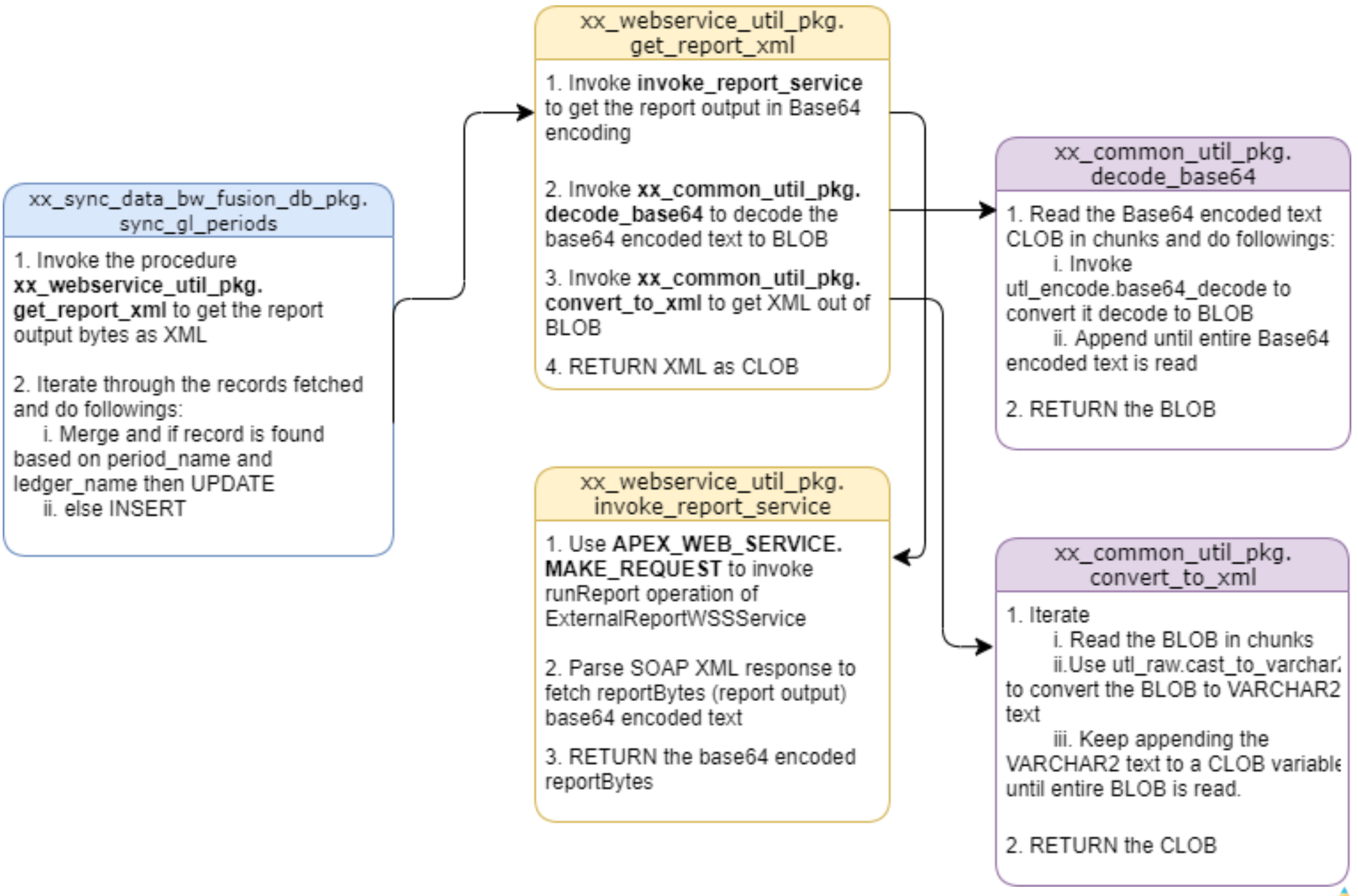

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