ETL Analysis
Maximo to AldenOne to Maximo

Maximo To Alden One -

This First interface covers two conversations between Alden One and Maximo, i.e., NS1 and NS3.

NS1:
When a work order for pole installs, replacement, or removal gets its CU design approved and moved to a Status of 'APPR'. ETL will send work order header information related to the work to Alden One labelled as header information. And pole information related to the work to Alden One labelled as pole information will be sent. Both are part of the NS1 handshake. ETL will send this information in a flat file as target to EDI.EDI will push the file to Alden One server. Since EDI archives the NS1 file for 90 days, ETL will not archive the files in Unix server.

NS3:
When the pole install, replacement or removal work gets completed and the work order moves to a Status of 'FCOMP' the Alden One record needs to be updated.
Maximo will send the In-Service Date and the NS3 handshake. ETL will create the flat file as target to EDI. EDI will push the file to Alden One server. Since EDI archives the NS3 file for 90 days, ETL will not archive the files in Unix server

1. **Autosys / Scheduling Job: -**
   WAMEP_MAXIMO_ALDENONE_NS1_BOX
   WAMEP_MAXIMO_ALDENONE_NS3_BOX
   Description - Work Order Notification Details from Maximo to AldenOne.
   Frequency - Weekdays-Once a day , mo,tu,we,th,fr ; 8:00:00 PM

2. **ETL / Informatica Flow: -**

Workflow	Mapping	Session
wkf_MAXIMO_to_ALDENONE_NS1Select	m_WAME_MAXIMO_to_ALDENONE_NS1Select	s_WAME_MAXIMO_to_ALDENONE_NS1Select
wkf_MAXIMO_to_ALDENONE_NS1Select	m_WAME_File_to_AldenOne_NS1	s_WAME_File_to_AldenOne_NS1
wkf_MAXIMO_to_ALDENONE_NS1Select	m_WAME_MAXIMO_to_ALDENONE_NS1MarkSent	s_WAME_MAXIMO_to_ALDENONE_NS1MarkSent
wkf_MAXIMO_to_ALDENONE_NS3Select	m_WAME_MAXIMO_to_ALDENONE_NS3Select	s_WAME_MAXIMO_to_ALDENONE_NS3Select
wkf_MAXIMO_to_ALDENONE_NS3Select	m_WAME_File_to_AldenOne_NS3	s_WAME_File_to_AldenOne_NS3
wkf_MAXIMO_to_ALDENONE_NS3Select	m_WAME_MAXIMO_to_ALDENONE_NS3MarkSent	s_WAME_MAXIMO_to_ALDENONE_NS3MarkSent

Mapping 1 - m_WAME_MAXIMO_to_ALDENONE_NS1Select

Source Table: NTFY_WONUM_CONVRSATN_HDR

Target Table: NTFY_WONUM_CONVRSATN_HDR

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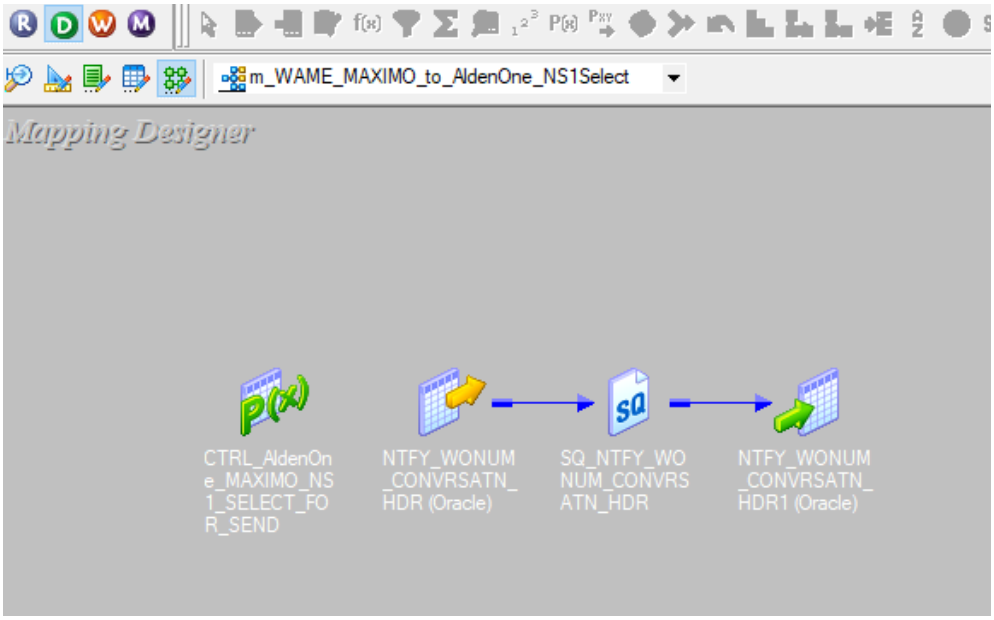
This mapping only calls the legacy stored Procedure ESMAXIMO.CTRL_NOTIFY_MAXIMO.NS1_Select_For_Send. Hence it uses a dummy table as Source and Target and a dummy SQL that returns zero rows. Then a file is created out of the data and is sent to ALDEN through BizManager.



Mapping 2 - m_WAME_File_to_AldenOne_NS1

The purpose of this mapping is to create the NS1 file for AldenOne using which they can create conversation number for the related Maximo workorder.

Source File - NS1_File_Source

Target File - File_To_AldenOne_NS1 (The target file is being generated here.)

Source qualifier query –


NS1 Sql Query.txt

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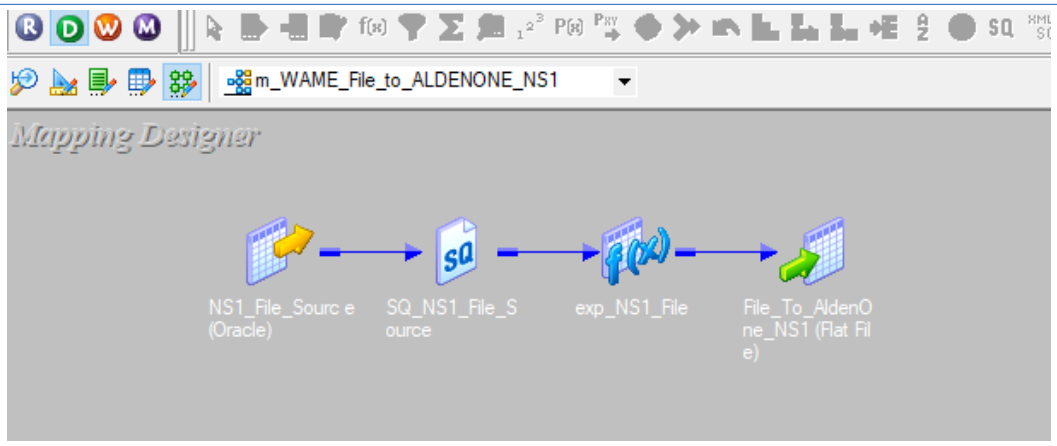
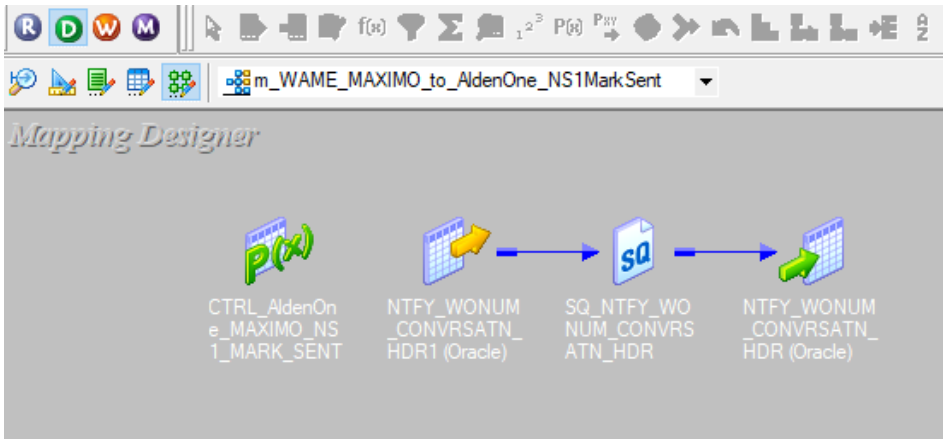


Mapping 3 - m_WAME_MAXIMO_to_ALDENONE_NS1MarkSent

This mapping will call the stored procedure ESMAXIMO.CTRL_NOTIFY_MAXIMO.NS1_MARK_SENT and stored proc will marks the NS1 file as sent to AldenOne

Source Table - NTFY_WONUM_CONVRSATN_HDR

Target table - NTFY_WONUM_CONVRSATN_HDR



ETL Analysis
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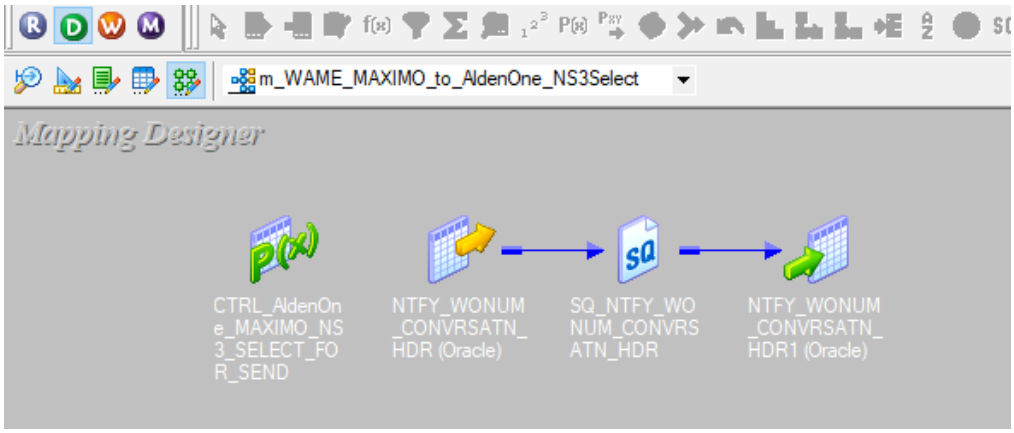
NS3 -Select

Mapping 1 - m_WAME_MAXIMO_to_ALDENONE_NS3Select

This mapping only calls the legacy stored Procedure ESMAXIMO.CTRL_NOTIFY_MAXIMO.NS3_Select_For_Send. Hence it uses a dummy table as Source and Target and a dummy SQL that returns zero rows. Then it would invoke the store procedure which subsequently will prepare the data for ETL.

Source table – NTFY_WONUM_CONVRSATN_HDR

Target Table - NTFY_WONUM_CONVRSATN_HDR



Mapping 2 - m_WAME_File_to_AldenOne_NS3

This mapping will create NS3 file for Alden One which will contain Maximo workorder updates.

Source - NTFY_WONUM_CONVRSATN_HDR

Target - File_to_AldenOne_NS3

Source Qualifier query –

```
SELECT  LTRIM(TO_CHAR(WONUM))
      ||'|'||LTRIM(TO_CHAR(NTFY_CONVRSATN_ID))
      ||'|'||'POLESET COMPLETE'
AS VARTXT
FROM  ESMAXIMO.NTFY_WONUM_CONVRSATN_HDR
WHERE   NTFY_CONVRSATN_STAT_NM = 'NS3 Ready'
AND NVL(NTFY_CONVRSATN_ID,0) != 0
```

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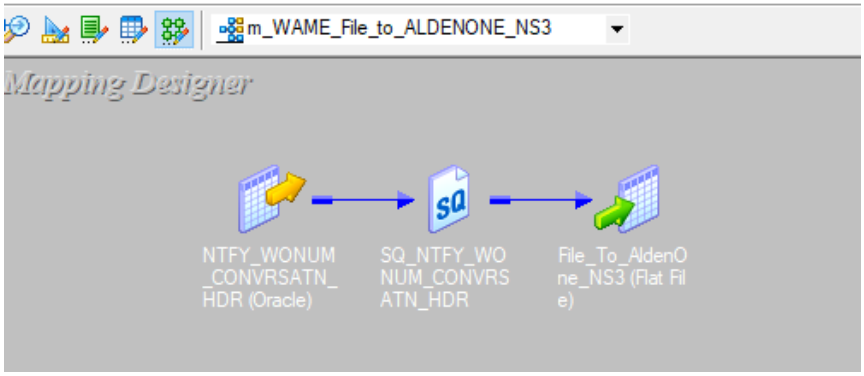
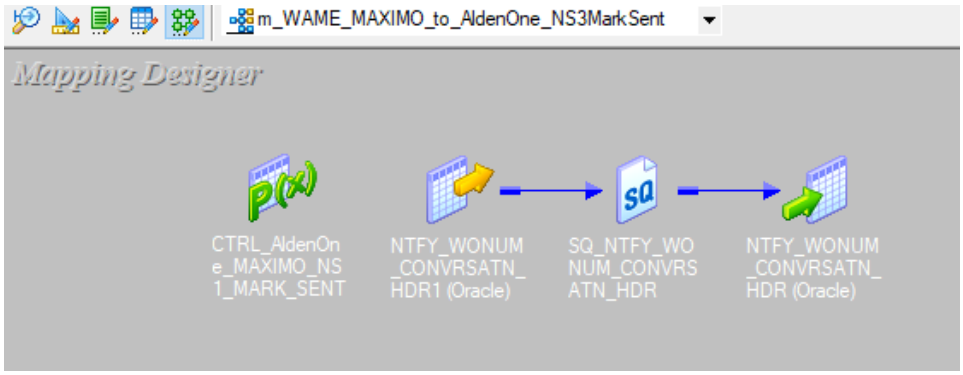


Mapping 3 - m_WAME_MAXIMO_to_ALDENONE_NS3MarkSent

This mapping invokes the stored procedure which marks the NS3 file as sent to AldenOne. This mapping will contain dummy source and target and will just be used to call the legacy stored procedure ESMAXIMO.CTRL_NOTIFY_MAXIMO.NS3_Mark_Sent

Source and target table - NTFY_WONUM_CONVRSATN_HDR



Alden One To Maximo –

Scope of this interface covers two conversations between Alden One and Maximo, i.e., NS2 and NS4. File will be received by Biz Manager from Alden One, then Biz Manager will place the file in Informatica UNIX directory. Informatica will translate it as per the transformation rules defined in the mapping sheet, before sending the data back to the Maximo interface tables using stored procedures.

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Maximo to AldenOne to Maximo

1. **Autosys / Scheduling Job: -**
    - WAMEP_AldenOne_MAXIMO_NS2_BOX →
      Desc: Work Order Notification Details from AldenOne to Maximo.
      Freq: Weekday, 10:00:00 PM
    - WAMEP_AldenOne_MAXIMO_NS2Report_BOX →
      Freq: Weekday, 10:05:00 PM
    - WAMEP_AldenOne_MAXIMO_NS4_BOX →
      Desc: Work Order Notification Details from Maximo to AldenOne.
      Freq: Weekday, 10:00:00 PM
    - WAMEP_AldenOne_MAXIMO_NS4Report_BOX →
      Freq: Weekday, 10:10:00 PM

2. **ETL informatica:-**

Workflow	Mapping	Session
wkf_WAME_AldenOne_MAXIMO_NS2	m_WAME_AldenOne_MAXIMO_NS2	s_WAME_AldenOne_MAXIMO_NS2
wkf_WAME_AldenOne_MAXIMO_NS2Report	m_WAME_AldenOne_MAXIMO_NS2Report	s_WAME_AldenOne_MAXIMO_NS2Report
wkf_WAME_AldenOne_MAXIMO_NS4	m_WAME_AldenOne_MAXIMO_NS4	s_WAME_AldenOne_MAXIMO_NS4
wkf_WAME_AldenOne_MAXIMO_NS4Report	m_WAME_AldenOne_MAXIMO_NS4Report	s_WAME_AldenOne_MAXIMO_NS4Report

NS2 –

This mapping is for processing the NS2 file which is received from BizManager. Informatica Mapping will invoke the stored procedure ESMAXIMO.CTRL_NOTIFY_MAXIMO.NS2_Post to delete the Staging table data from the previous run. It then pulls the file from its UNIX directory and populates intermediate staging table NTFY_WONUM_CONVRSATN_STAGEG by invoking stored procedure NS2_POST, after applying the transformation rules as per the mapping sheet.

Mapping - m_WAME_AldenOne_MAXIMO_NS2

Source File - NS2MaximoAldenOne

Target table - NTFY_WONUM_CONVRSATN_STAGEG

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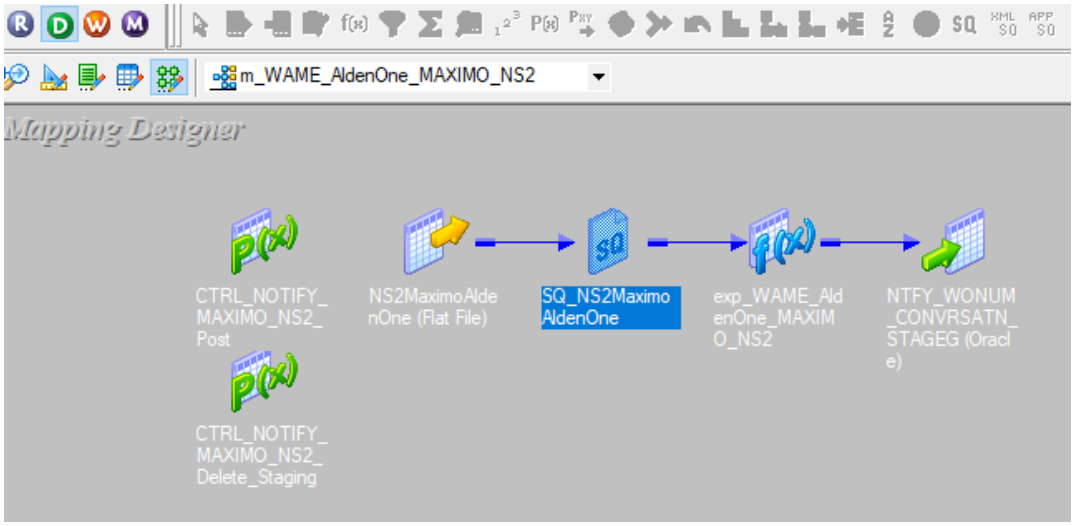
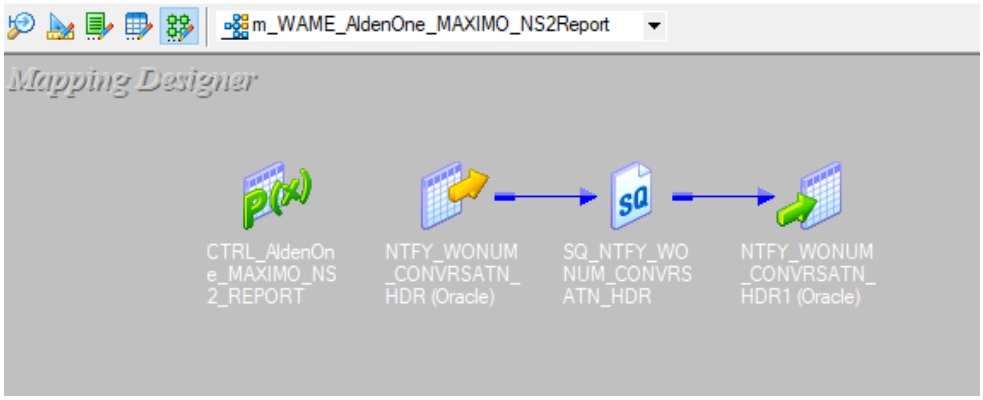


Mapping - m_WAME_AldenOne_MAXIMO_NS2Report

This mapping fetches records from Maximo interface table invokes stored proc ESMAXIMO.CTRL_NOTIFY_MAXIMO.NS2_Report. This procedure takes the information present in the table and generates a report. This report is generated and is ready to be emailed. In the end, it updates the ESMAXIMO.INTRFC_CTRL table with the new run date.



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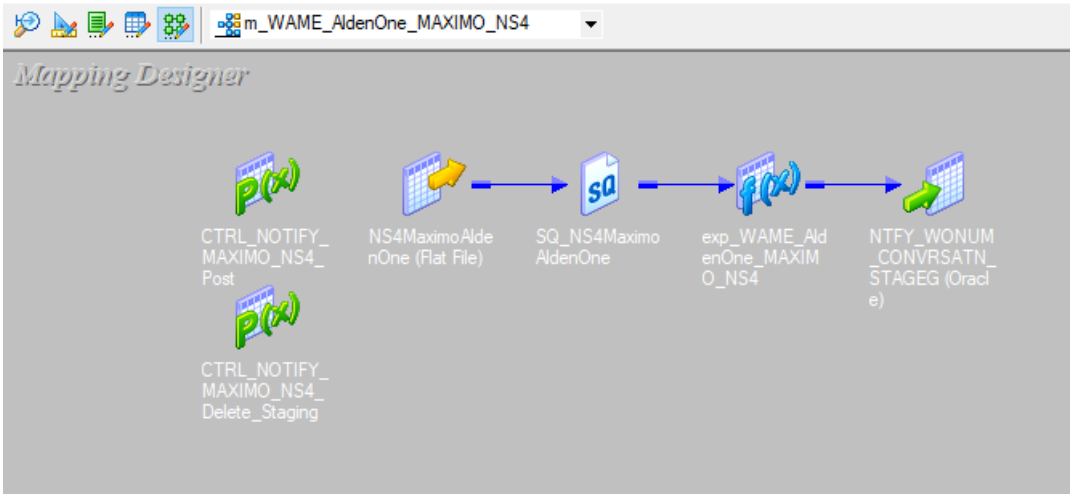
Mapping - m_WAME_AldenOne_MAXIMO_NS4

This mapping is for processing the NS4 file which is received from BizManager. Informatica Mapping will invoke the stored procedure NS4_DELETE_STAGING to delete the Staging table data from the previous run. It then pulls the file from its UNIX directory and populates intermediate staging table NTFY_WONUM_CONVRSATN_STAGEG by invoking stored procedure NS4_POST, after applying the transformation rules as per the mapping sheet.



Mapping - m_WAME_AldenOne_MAXIMO_NS4Report

This mapping fetches records from Maximo interface table invokes stored proc ESMAXIMO.CTRL_NOTIFY_MAXIMO.NS4_Report. This procedure takes the information present in the ESMAXIMO.NTFY_WONUM_CONVRSATN_AUDIT table and generates a report. This report is generated and is ready to be emailed. In the end, it updates the ESMAXIMO.INTRFC_CTRL table with the new run date.

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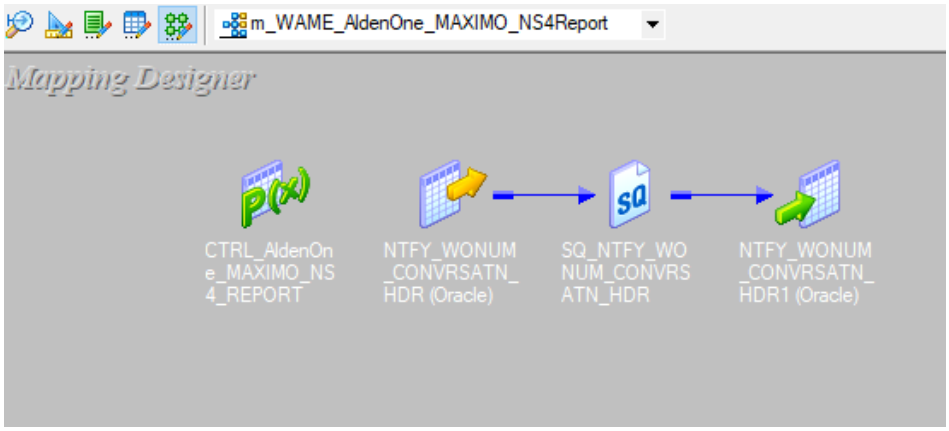

3. **No process change identified at ETL side.**