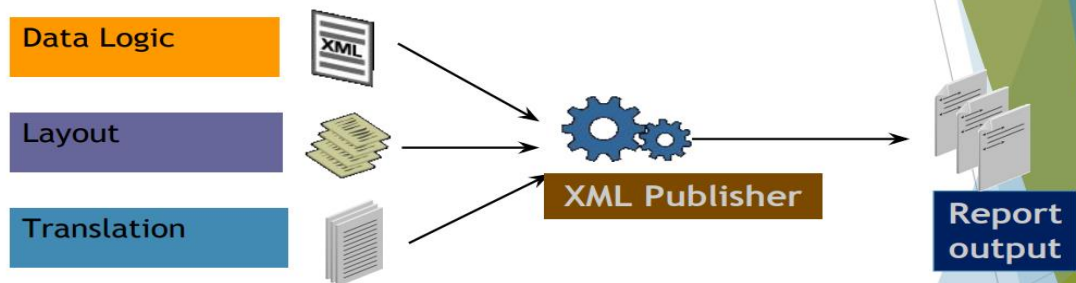


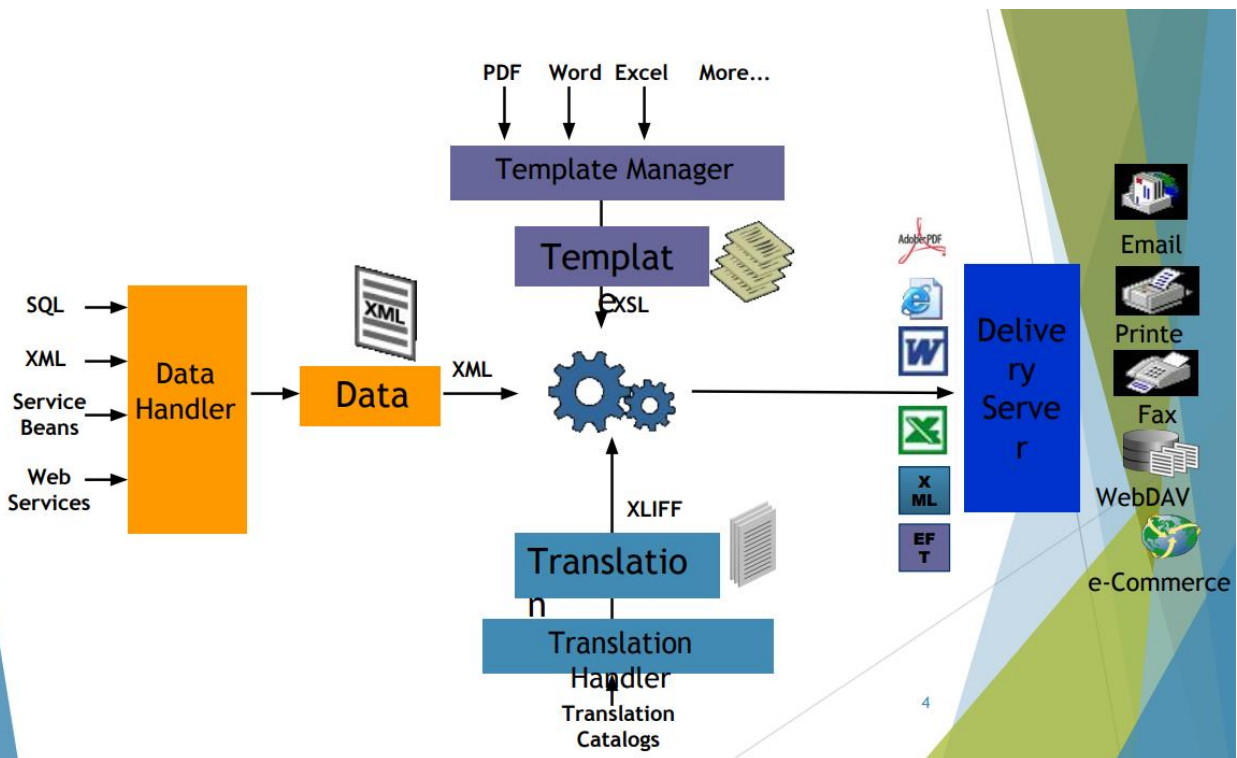
XML PUBLISHER REPORTS :

XML Publisher Reports (known as Oracle BI Publisher) in Oracle E-Business Suite are used to create and manage reports in a flexible, easy-to-use manner.

Introduction to XML Publisher Reports



XML Publisher- It is also referred as BI Publisher/ Template Builder Reports
In Oracle Fusion ERP - It is referred as OBIEE Reports

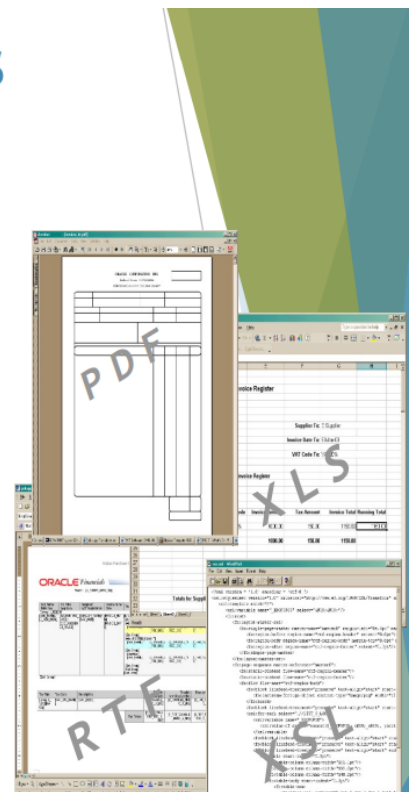


XML PUBLISHER TECHNOLOGY :

- ▶ Pure Java
- ▶ Pluggable data in XML
- ▶ Output formats in PDF, PS, RTF, HTML...
- ▶ Support for Internet Printing Protocol, WebDAV, Internet Fax Protocol, SMTP, etc...

XML Publisher - Templates

- ▶ Using desktop applications
 - ▶ Adobe Acrobat
 - ▶ MS Word
 - ▶ MS Excel
 - ▶ XSL Editors



Main components in XML Reports :

Data model: retrieving the data (SQL query)

Template: what type of header, font, layout structure you want.

- ▶ Data Model (Business Logic)
 - ▶ RDF
 - ▶ DataTemplate XML
 - ▶ PLSQL
 - ▶ OAF-ViewObject
- ▶ Template(Layout)
 - ▶ RTF
 - ▶ Excel
 - ▶ PDF
 - ▶ XSL
- ▶ Output
 - ▶ PDF
 - ▶ HTML
 - ▶ Excel
 - ▶ Txt

We are learning to create reports on this modules:

- ▶ Master Data
 - ▶ Suppliers
 - ▶ Customers
 - ▶ Employees
 - ▶ BG/LE/Ledger/OU/INV
- ▶ Transaction Data
 - ▶ Invoices (AP/AR)
 - ▶ Receipts (AP/AR)
 - ▶ Inventory (Items/BOM/WorkOrders)
 - ▶ Orders (Purchase/Sales)
 - ▶ GL Journals
 - ▶ GL Balances
 - ▶ Projects/Tasks

Modules Covered

HCM
SCM
FIN
PPM



Tools

- ▶ Notepad++
- ▶ XML Publisher For Desktop

<https://www.oracle.com/technetwork/middleware/bi-publisher/downloads/index.html>

Oracle BI Publisher 10.1.3.4.1 Downloads

- ☑ BI Publisher 10.1.3.4.1 for Linux x86 (770 MB)
- ☑ BI Publisher 10.1.3.4.1 for Windows x86 (765 MB)

Steps to design a Report

1. Data Model (Business Logic)
 1. Design the Query
 2. Update the query in Data Template XML File
 3. Navigate to XML Publisher Administrator
 1. Create Data Definition and upload the Data Template XML File
 4. Create Concurrent Program (Short name should be same Data Definition Code)
 5. Assign the Concurrent Program to request program
 6. Run the report and get the output xml file
2. Template (Layout)
 1. Based on the 1.6 (output xml file) - design the template RTF File
3. Output

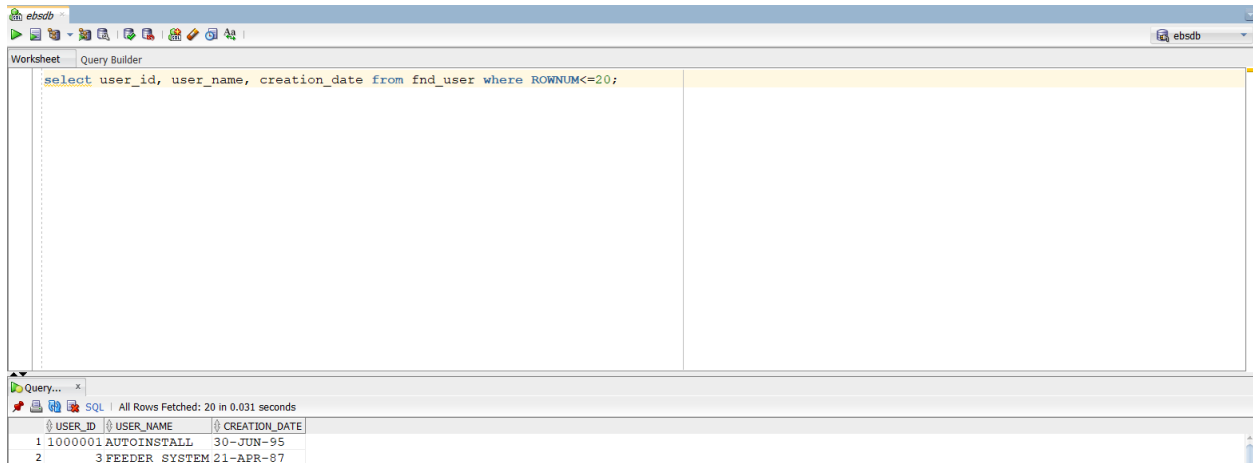
What Are Data Template XML Files?

- a. Data templates files specify how data is retrieved from the database and organized into XML format for reporting. They serve as the data source for report generation.
- b. These files typically contain SQL queries or PL/SQL logic that pulls data from EBS tables. The output is formatted as XML, which can then be processed by BI Publisher templates for presentation.
- c. Each report generated using BI Publisher is linked to a specific data template like PDF, HTML etc. When a report is executed, the data template retrieves the necessary data, which is then transformed into a human-readable format based on the associated layout template.
- d. You can create, modify, or delete data template files using the XML Publisher Administration responsibility in Oracle EBS.
- e. XML FORMAT :

```
<?xml version="1.0" encoding="UTF-8"?>
<ReportData>
  <Employees>
    <Employee>
      <ID>1</ID>
      <Name>John Doe</Name>
      <Position>Software Engineer</Position>
      <Department>IT</Department>
      <Salary>75000</Salary>
    </Employee>
    <Employee>
```

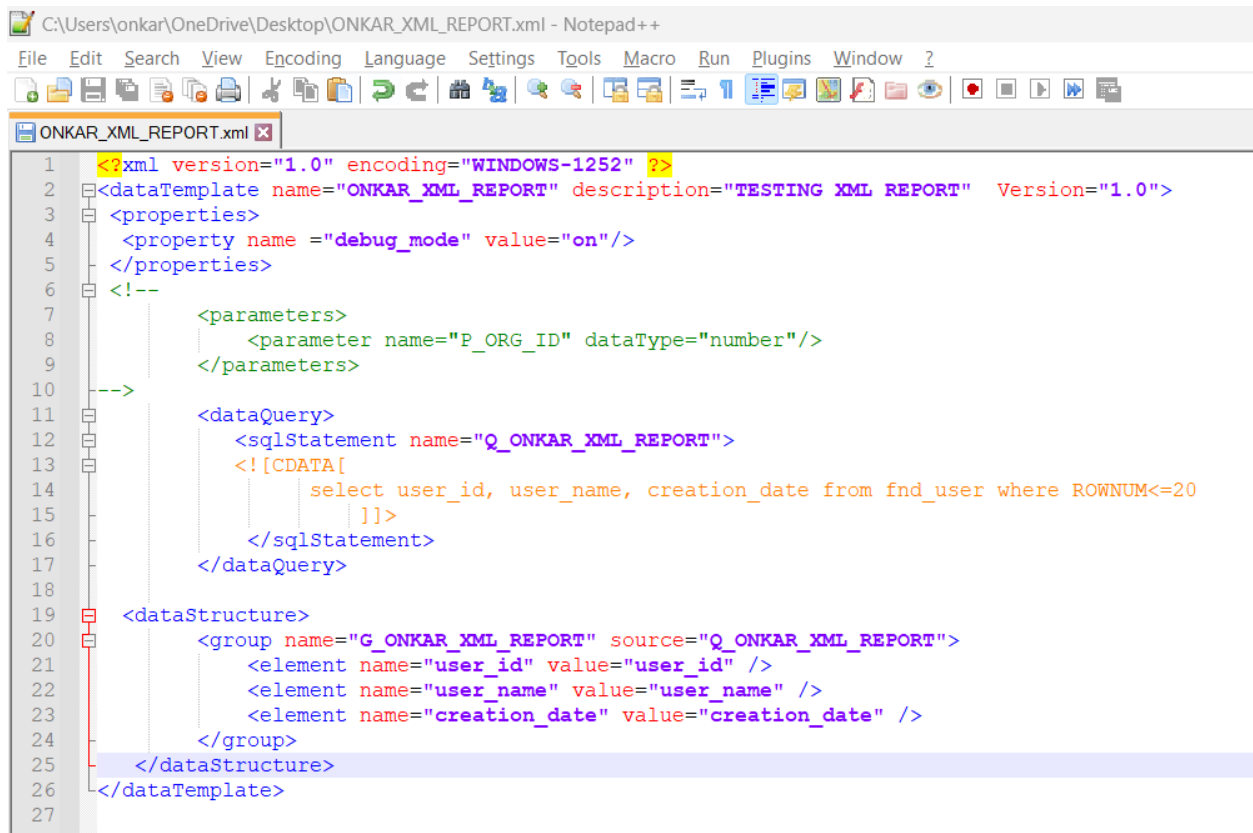
Create XML report which shows user info :

1.1 Design query :

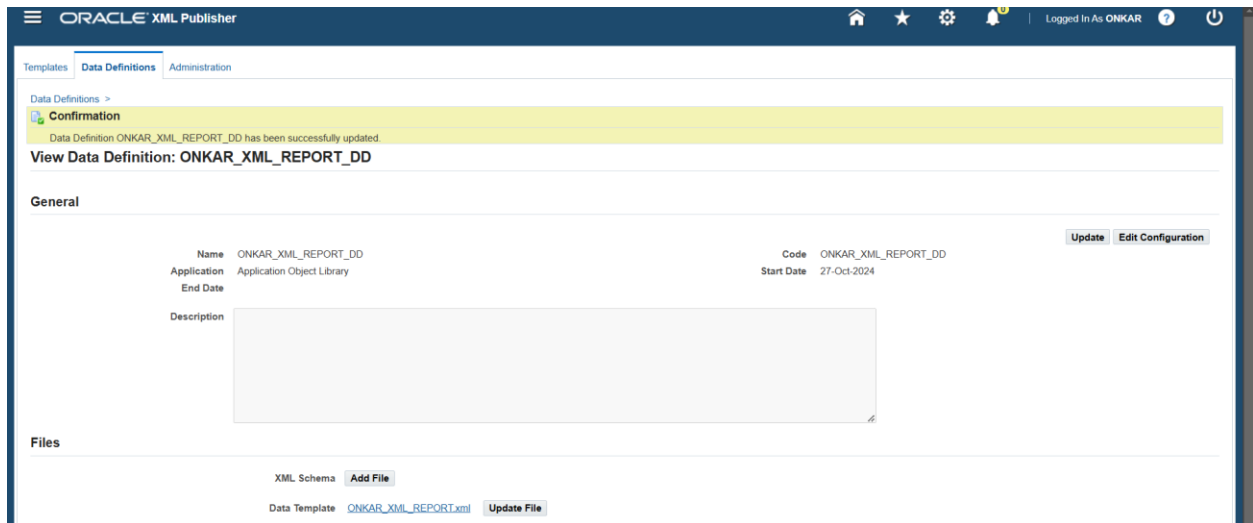


1.2 Update the query in 'Data template XML FILE ':

Choose data template file which is already existing rather than creating it from scratch and update above query in it using notepad++.

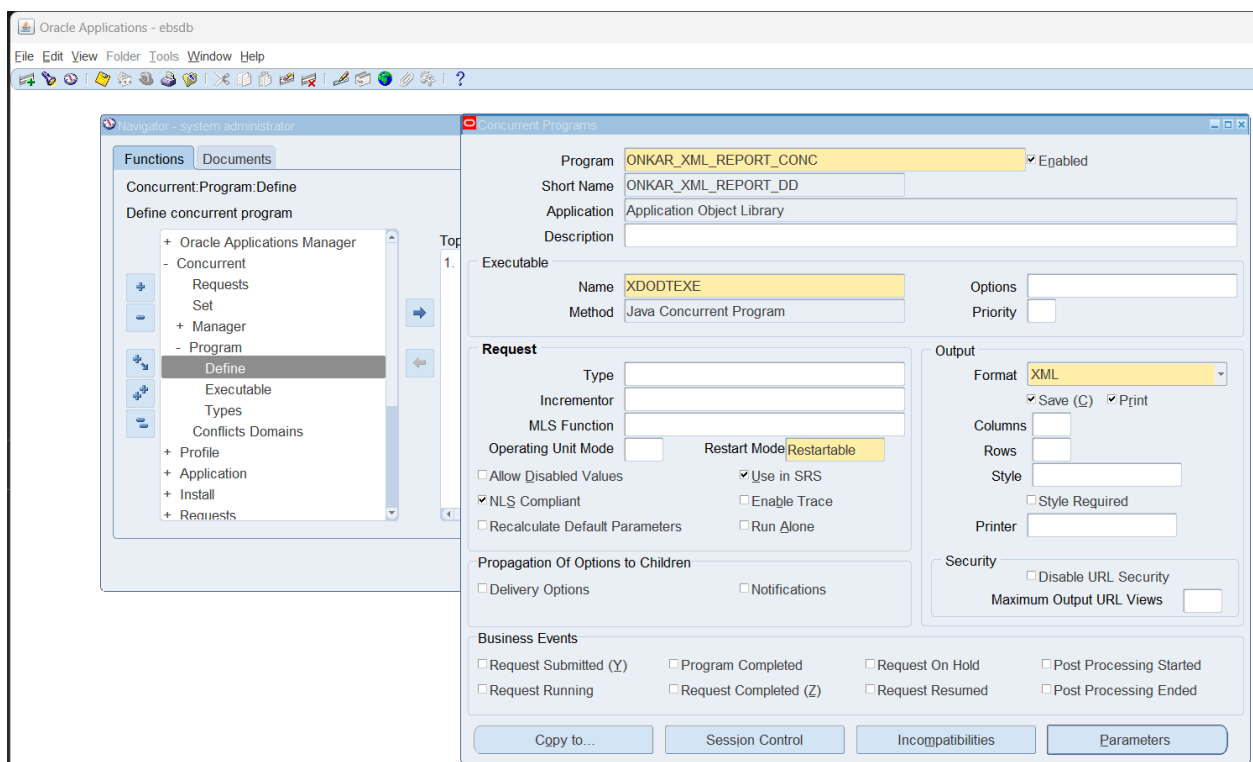


1.3 Create data definition and upload the above data template xml file :



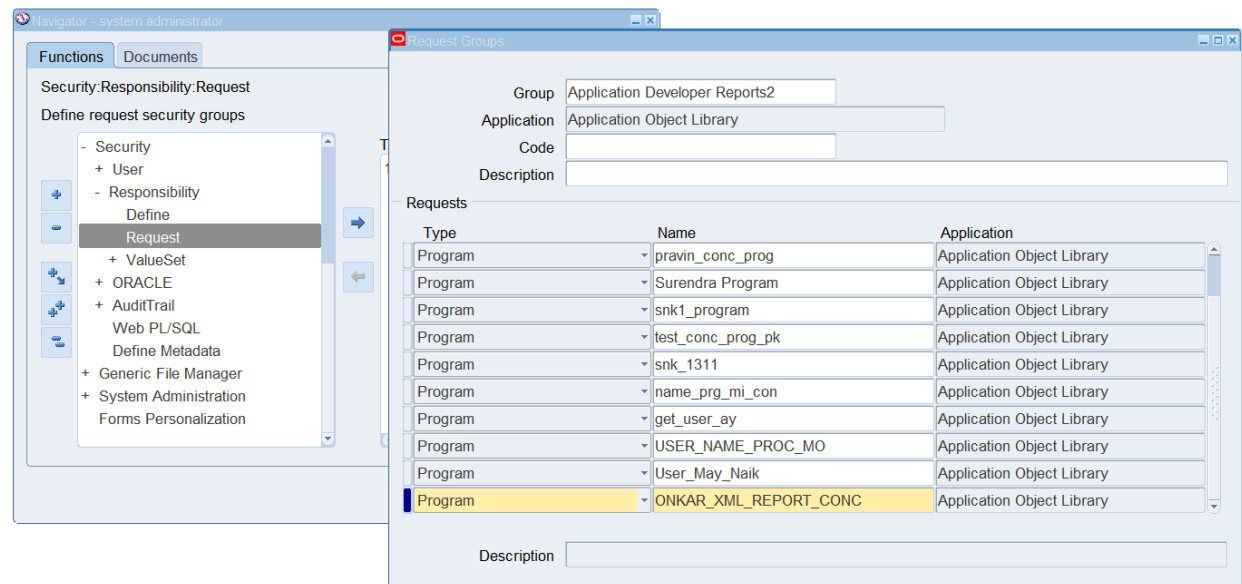
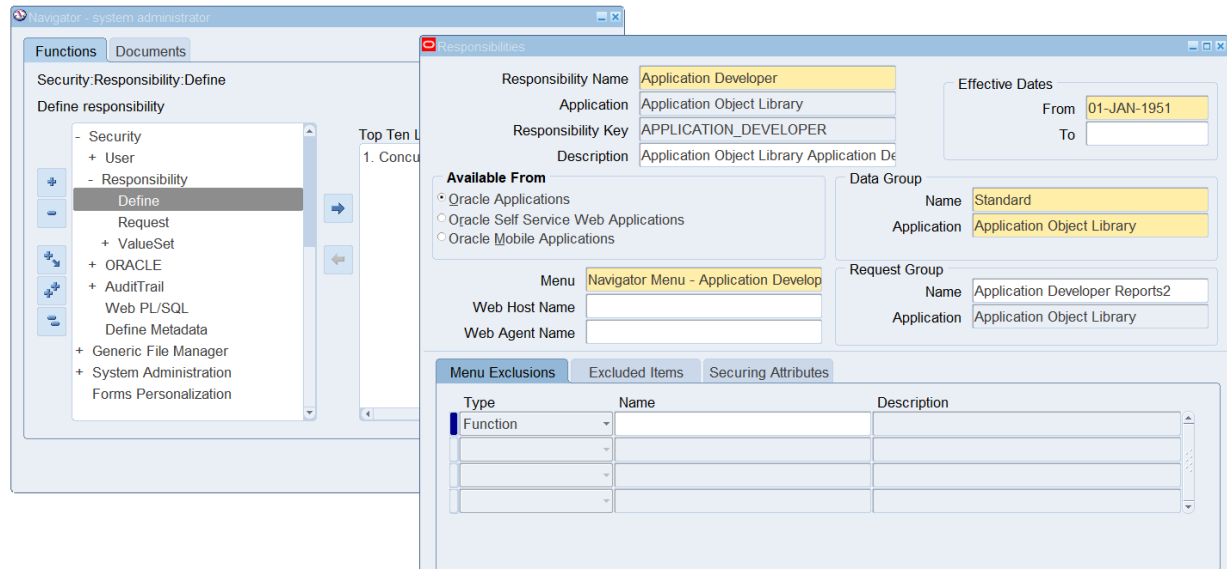
1.4 Create concurrent program :

Short name and data definition code must be same.



1.5) Assign conc pro. to request group :

COPY THE REQUEST GRP OF APP DEVELOPER RESP. AND ADD OUR CONC PRO TO THIS REQ. GROUP.



1.6) Now go to APP DEV. RESP. AND THEN GO TO VIEW > REQUESTS (AS SYS RESP DO NOT HAVE OUR CONC PROGRAM SO WE NEED TO CHANGE OUR RESP TO APP DEVELP.)

Requests

Refresh Data Find Submit Request

☐ Auto Refresh (X)

Request ID	Name
7746775	ON_PO_REPORT_PRO
7746769	ON_PO_REPORT_PRO
7746650	DQM Serial Sync Index P
7746500	General Ledger Accountin
7746499	Compile value set hierarch
7746498	General Ledger Accountin
7746497	Compile value set hierarch
7746489	P_CONC_ON
7746452	P_CONC_ON
7746441	P_CONC_ON

Hold Request Cancel Request

Run this Request

Copy

Name ONKAR_XML_REPORT_CONC

Operating Unit

Parameters

Language American English

Language Settings Debug Options

At these Times

Schedule Description As Soon as Possible Schedule

Upon Completion

☒ Save all Output Files ☐ Burst Output

Layout

Notify

Print to noprnt

Options Delivery Opts

Help (C) Submit Cancel

THE OUTPUT IS IN XML FORMAT COZ WE MENTION IT IN CONC PRO.

This XML file does not appear to have any style information associated with it. The document tree is shown below.

```

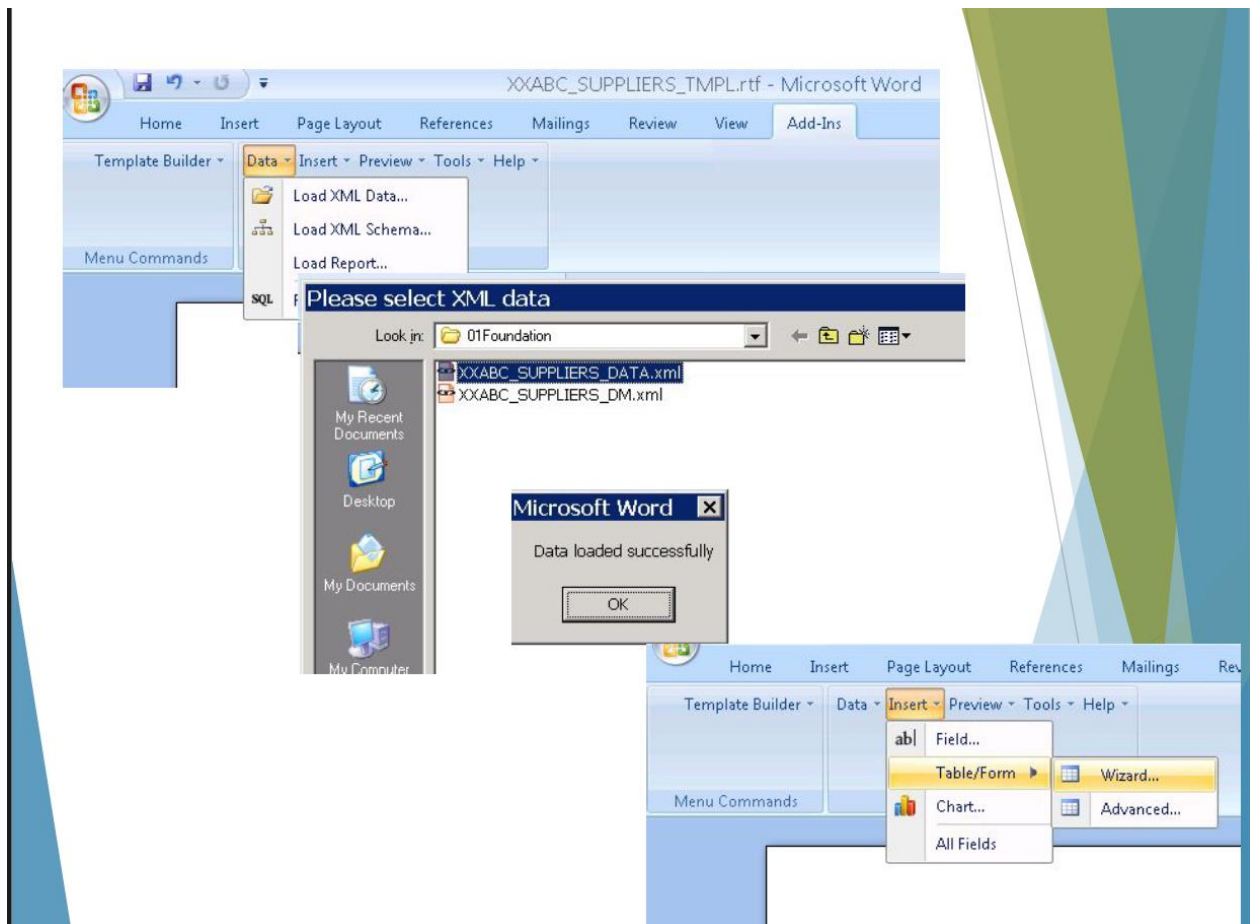
<ONKAR_XML_REPORT>
  <LIST_G_ONKAR_XML_REPORT>
    <G_ONKAR_XML_REPORT>
      <USER_ID>1000001</USER_ID>
      <USER_NAME>AUTOINSTALL</USER_NAME>
      <CREATION_DATE>1995-06-30T11:49:05.000+00:00</CREATION_DATE>
    </G_ONKAR_XML_REPORT>
    <G_ONKAR_XML_REPORT>
      <USER_ID>3</USER_ID>
      <USER_NAME>FEEDER SYSTEM</USER_NAME>
      <CREATION_DATE>1987-04-21T00:00:00.000+00:00</CREATION_DATE>
    </G_ONKAR_XML_REPORT>
    <G_ONKAR_XML_REPORT>
      <USER_ID>2</USER_ID>
      <USER_NAME>INITIAL SETUP</USER_NAME>
      <CREATION_DATE>1987-04-21T00:00:00.000+00:00</CREATION_DATE>
    </G_ONKAR_XML_REPORT>
    <G_ONKAR_XML_REPORT>
      <USER_ID>0</USER_ID>
      <USER_NAME>SYSADMIN</USER_NAME>
      <CREATION_DATE>1991-05-20T00:00:00.000+00:00</CREATION_DATE>
    </G_ONKAR_XML_REPORT>
    <G_ONKAR_XML_REPORT>
      <USER_ID>1001</USER_ID>
      <USER_NAME>XISION</USER_NAME>
      <CREATION_DATE>1996-11-11T00:00:00.000+00:00</CREATION_DATE>
    </G_ONKAR_XML_REPORT>
    <G_ONKAR_XML_REPORT>
      <USER_ID>1555</USER_ID>
      <USER_NAME>HRMS4</USER_NAME>
      <CREATION_DATE>1997-12-07T11:07:51.000+00:00</CREATION_DATE>
    </G_ONKAR_XML_REPORT>
    <G_ONKAR_XML_REPORT>
      <USER_ID>1003</USER_ID>
      <USER_NAME>FIN5</USER_NAME>
      <CREATION_DATE>1987-02-10T11:36:15.000+00:00</CREATION_DATE>
    </G_ONKAR_XML_REPORT>
  </LIST_G_ONKAR_XML_REPORT>
</ONKAR_XML_REPORT>

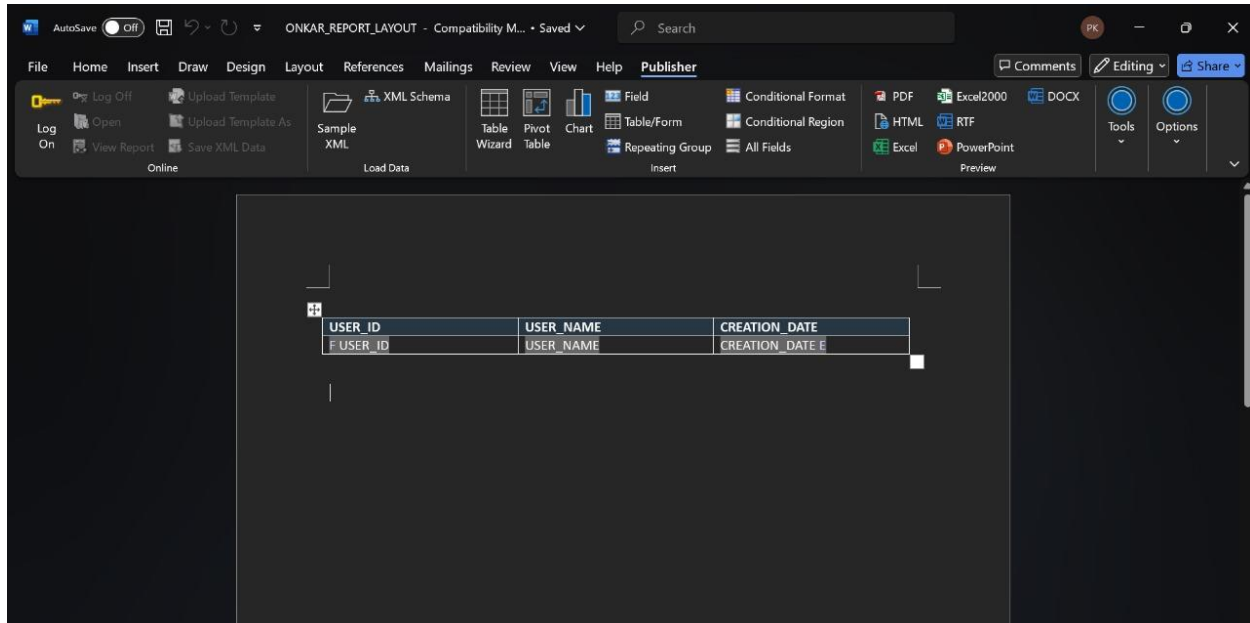
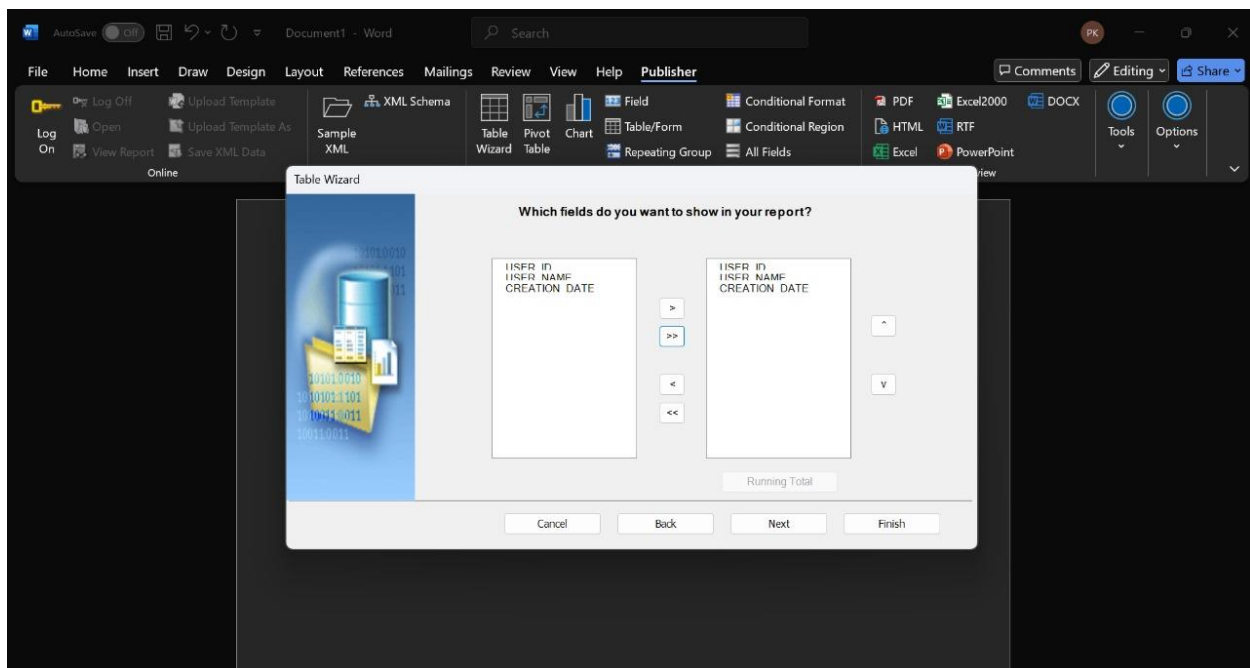
```

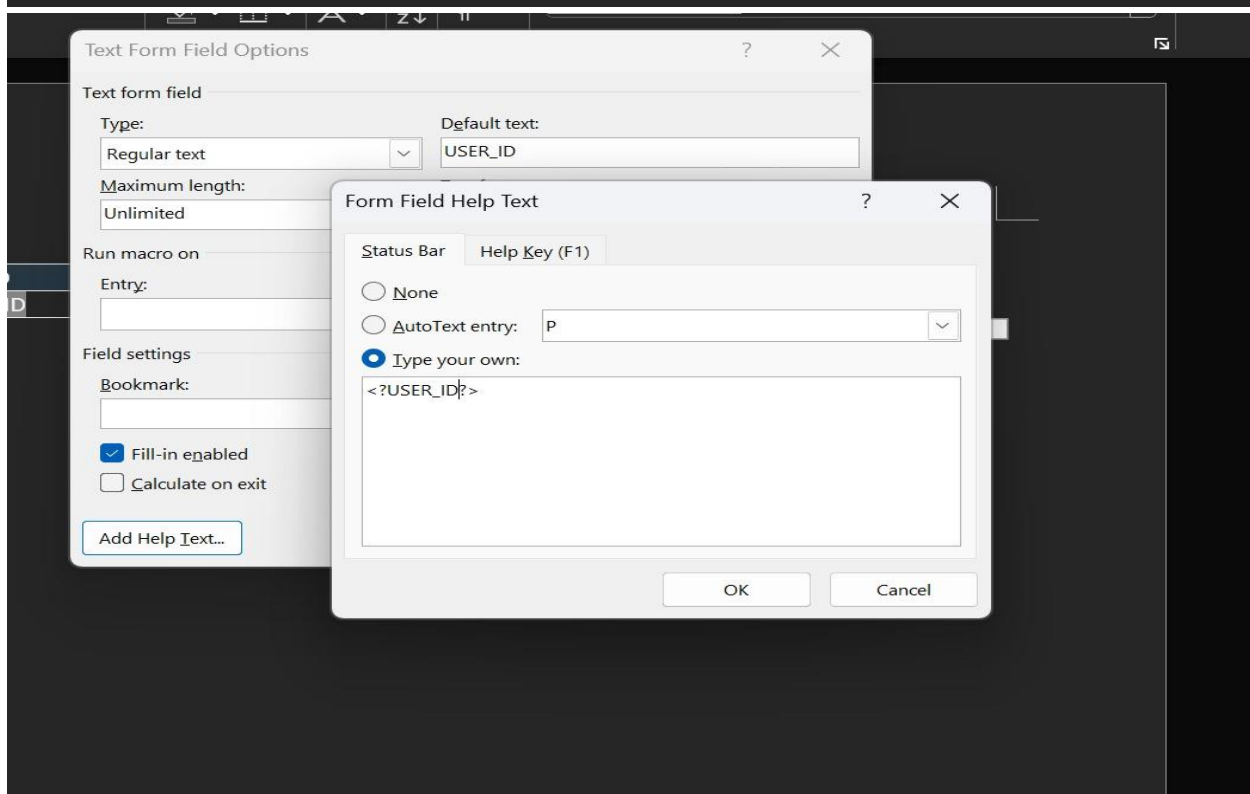
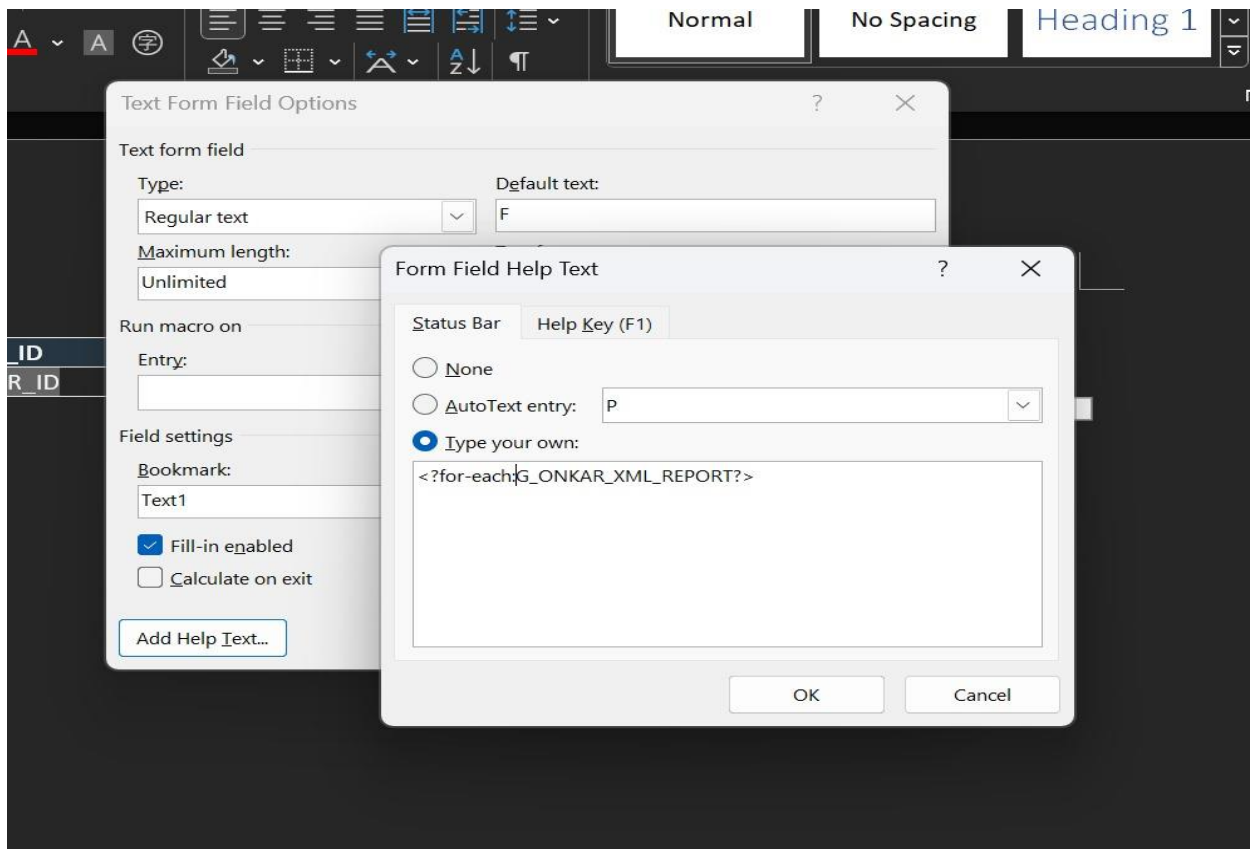
NOW SAVE ABOVE XML TEXT IN FILE i.e. (ONKAR_REPORT_XML_DATA.XML)

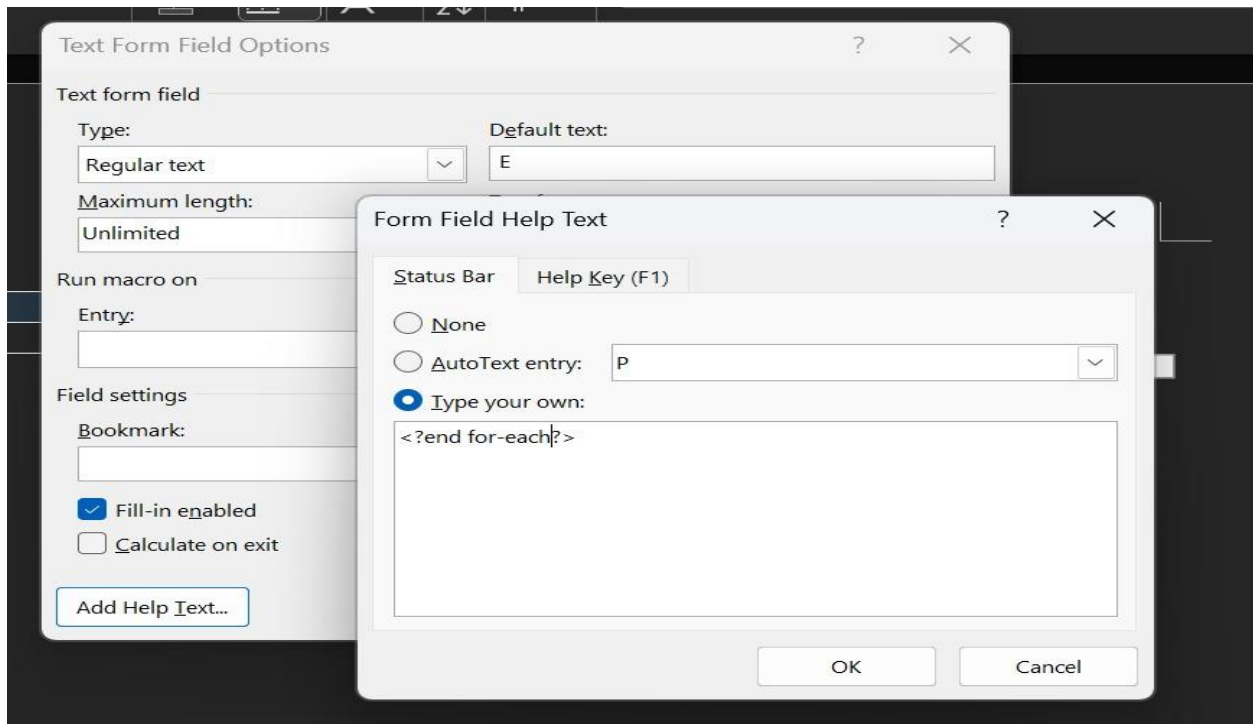
2. TEMPLATE LAYOUT :

Open MS WORD > LOAD OUT XML FILE IN IT i.e. ONKAR_REPORT_XML_DATA.XML









AND THEN SAVE ABOVE FILE IN RTF FORMAT i.e. ONKAR_REPORT_LAYOUT.rtf

To load tag names by default do below.

Publisher(WORD) > Options > Options > Build > Form size > Backward compatible

Now upload above file in TEMPLATE of our DATA DEFINITION :

ORACLE XML Publisher

Templates > Data Definitions > Administration

Create Template Cancel Apply

Start Date and End Date define when the Template is active. The Name can be translated while the Code is identical for all languages.

General

* Name: ONKAR_XML_REPORT_TE
 * Application: Application Object Library
 * Type: RTF
 * Code: ONKAR_XML_REPORT_TE
 * Data Definition: ONKAR_XML_REPORT_DD
 * Start Date: 28-Oct-2024
 * End Date:
 * Subtemplate:
 Default Output Type: HTML
 Description:

Template File

* File: Choose File ONKAR_R...T_LAYOUT.rtf
 * Language: English
 * Territory:
☐ Translatable

ORACLE XML Publisher

Templates > Confirmation

Template ONKAR_XML_REPORT_TEMP has been successfully created.

View Template: ONKAR_XML_REPORT_TEMP

General

Name	ONKAR_XML_REPORT_TEMP	Code	ONKAR_XML_REPORT_TEMP
Application	Application Object Library	Data Definition	ONKAR_XML_REPORT_DD
Type	RTF	Start Date	28-Oct-2024
Default File	ONKAR_REPORT_LAYOUT.rtf	End Date	
Default File Language	English	Subtemplate	No
Default File Territory		Default Output Type	HTML

Description

Template Files

Preview Format: PDF

Localized Templates

3. OUTPUT :

SEND THE REQUEST AGAIN FROM APP DEVELOPER TO GET THE FINAL OUTPUT.

Submit Request

Run this Request

Name: ONKAR_XML_REPORT_CONC

Operating Unit

Parameters

Language: American English

Language Settings

Debug Options

At these Times

Schedule Description: As Soon as Possible

Schedule

Upon Completion

☒ Save all Output Files ☐ Burst Output

Layout: ONKAR_XML_REPORT_TEMP

Notify

Print to: noprint

Options

Delivery O

Help (C)

Submit

Cancel

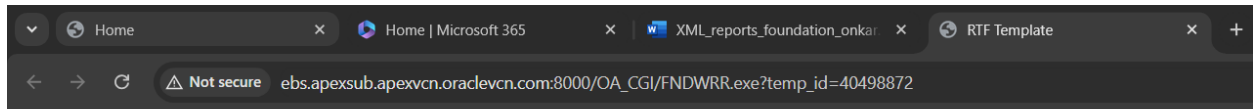
Decision

Request submitted.
(Request ID = 7747163)

Submit another request?

Yes No

WE WILL GET THE OUTPUT IN HTML FORMAT.



USER_ID	USER_NAME	CREATION_DATE
1000001	AUTOINSTALL	1995-06-30T11:49:05.000+00:00
3	FEEDER SYSTEM	1987-04-21T00:00:00.000+00:00
2	INITIAL SETUP	1987-04-21T00:00:00.000+00:00
0	SYSADMIN	1991-05-20T00:00:00.000+00:00
1001	XISION	1996-11-11T00:00:00.000+00:00
1555	HRMS4	1997-12-07T11:07:51.000+00:00
1003	FIN5	1997-02-10T11:36:15.000+00:00
1004	FIN3	1997-02-10T11:39:01.000+00:00
1005	FIN12	1997-02-10T11:48:06.000+00:00
1007	FIN18	1997-02-10T12:21:50.000+00:00
1008	MFG18	1997-02-13T17:14:26.000+00:00
1028	FIN10	1997-02-17T08:46:53.000+00:00
1048	TGREEN	1997-02-19T15:18:39.000+00:00
1050	CBLACK	1997-02-19T15:23:51.000+00:00
1054	KBROCK	1997-02-19T15:39:37.000+00:00
1055	CBROWN	1997-02-19T00:00:00.000+00:00
1068	MFG	1997-03-04T00:00:00.000+00:00
1071	DVLP2	1997-03-

