

We had worked in Report Portal wherein we worked mainly on JAVA,DBMS, and PLSQL. Every report will be generated using unique query. Queries run on large data so query optimization is very important for the complex queries. Reports are generated automatically by the help of schedulers. But a user can generate the report manually which are known as online reports. They are stored on local server. The user will get those report offline on search. Customer may demand new changes in the existing report or they might want the new report to be generated. Report portal team understands their demands and requirements and accordingly changes the existing system.

SYSTEM ANALYSIS:

EMAIL CONFIGURATION:

The image shows a web application interface. On the left, there's a sidebar with 'Email Configuration' and 'Select Report' buttons. The main area displays a 'Confirmation' dialog box asking 'Are you Sure want to submit the Mail id?' with 'Yes' and 'No' buttons. Below the dialog, there's a table of email configurations. The table has columns: Name, Email, Status, and Action. The 'Status' column has a dropdown menu with options like 'Active', 'Inactive', and 'Deleted'. The 'Action' column has a dropdown menu with options like 'Edit', 'Delete', and 'Add'. The table lists several email configurations, including 'ankit.kumar@tcs.com', 'ankit.vadane@tcs.com', and 'ankur.kulkarni@tcs.com'.

CREATED BY COLUMN IN ONLINE REPORT

Home	AMR	CS	Sales and Dist.	Forecast M3	Marketing	Finance	Bank	SA	Admins
------	-----	----	-----------------	-------------	-----------	---------	------	----	--------

VBS-03 level Throughput Report

URL: Circle

Month and Year Till date 05/4/2016

Segment Select Segment

Company Code

Group Code

Generate
Search

Report For Date Range	(1 of 2)	Creation Date	Created By	Download
From 01-04-2016 To 04-04-2016	05-04-2016 12:40:41	apshirah		

Transaction SOP level Throughput Report

URL: Circle

Month and Year Till date 05/4/2016

Generate
Search

(1 of 1) 10

Report For Date Range	Creation Date	Created By	Download
No records found. Search with different criteria			

10

REPORT FOR NEW DEMAND:

*Next task was to analyze the demand of customer and made the changes according to the demand.

A new reason for closure 'closed due to eKYC mismatch ' shall be maintained in the platform for all such closer and shall be displayed in Report

1)Portal>CS>Customer Account Level MIS Report against both old accounts closed and a new account opened.

2)Portal>AML>Closed Account Report against both old accounts closed and a new account opened.

[illegible]

Home	AML	CS	Sales and Mkt	Finance MIS	Marketing	Finance	Bank	RA	Admin
Online Reports									
Click On Data Menu									
GEOGRAPHY									
Customer									
Customer Account Level MIS Report									
Customer Transaction Level MIS Report									
Agent									
No Activation Test Report									
Merchant									
Referral Code Generation Report									
Generic									
Referral Code Revalidation Report									
BRI									
MISCELLANEOUS Customer Open and Closed Account Report									
Add Customer Remittance									
10									

Reports are generated in Excel or CSV but in demand DM11915 - Fraud CR to capture additional info in Transaction & Registration Logs customer had demanded to generate the report in PDF format.

Online Receipt						
Payment Type	# Transaction / Registration					
Entity Type	#Customer	UAgent	#Subscriber	IMD	QAS	#Merchant
Entity Id			000000			
Wallet Account No.			Bank Account No.			
Source IP Address			Port			
Destination IP Address			Port			
Date Range From:	1/11/2015		To:		12/30/15	
Date Range To:	12/30/15 17:11		Time Range To:		12/30/15 17:11	
Format	#CSV	#Excel	#PDF			

```

graph TD
    subgraph Portal [Reports Portal]
        JSP
        Spring
        JOBS[Report Generation JOBS]
        Scheduler[Quartz Scheduler]
    end
    GOR[Generated Offline Reports] <--> Portal
    RJ[Report JRXML] --> Portal
    J[Jobs] --> Portal
    Portal <--> ODS[(ODS DB)]
    Portal <--> DB[(DB)]
    Portal <--> SMSC[SMSC]
    Portal <--> SMTP[SMTP Server]
    Portal --> FTP[FTP Server]
  
```

Report Name:

Report Generation Start Date: Report Generation End Date:

Report Name	Model	Date	Download	FTP Location
BasicThermVelocity	AJL	01/05/2014 08:33:16		
BasicThermVelocity	AJL	01/05/2014 08:31:16		
BasicThermVelocity	AJL	01/05/2014 08:30:11		
CLCLogCntrl	AJL	01/05/2014 08:28:36		
BasicThermVelocity	AJL	01/05/2014 08:27:16		
CLCLogCntrl	AJL	01/05/2014 08:25:48		
BasicThermVelocity	AJL	01/05/2014 08:24:41		
BasicThermVelocity	AJL	01/05/2014 08:21:16		
CLCLogCntrl	AJL	01/05/2014 08:20:16		
BasicThermVelocity	AJL	01/05/2014 08:18:11		

```

graph TD
    Start([Start]) --> Login[User logs into the application from the Login Page]
    Login --> LoginSuccess{Login Successful?}
    LoginSuccess -- No --> End([END])
    LoginSuccess -- Yes --> ReportPage[User goes to the report page]
    ReportPage --> EnterParams[User enters parameters for report generation]
    EnterParams --> ClickSubmit[User clicks to submit button]
    ClickSubmit --> SendParams[JSP managed bean sends these parameters to the Spring service layer]
    SendParams --> FetchQuery[Corresponding SQL query is fetched from query bank]
    FetchQuery --> ConnectDB[Database connection is obtained from connection pool]
    ConnectDB --> ConnAvailable{Is database connection available?}
    ConnAvailable -- No --> ErrorMessage[Display Error Message]
    ConnAvailable -- Yes --> ExecuteQuery[Query is executed at the ODS]
    ExecuteQuery --> ChangeParams[User wants to change the parameters]
    ChangeParams --> NewParam{Is a new parameter entered?}
    NewParam -- No --> ClickEmail[User clicks on email report]
    NewParam -- Yes --> ReturnCollection[Service layer returns new data collection to JSP managed bean]
    ReturnCollection --> DisplayTable[User is displayed the report in the form of a table with the report link on the column]
    ClickEmail --> ClickDownload{User clicks on download/report link}
    ClickDownload -- Yes --> ClickDownloadLink[User Clicks on download/report link]
    ClickDownloadLink --> FetchPathDownload[JSP managed bean fetches the path of the report_PATHDL]
    FetchPathDownload --> CreateEmailTempDownload[Email report is created in a temporary location]
    CreateEmailTempDownload --> DownloadBrowser[Email report is downloaded at the user's browser]
    ClickDownload -- No --> ClickEmailLink[User Clicks on email report link]
    ClickEmailLink --> FetchPathEmail[JSP managed bean fetches the path of the report_PATHAL]
    FetchPathEmail --> CreateEmailTempEmail[Email report is created in a temporary location]
    CreateEmailTempEmail --> EmailReport[Report is emailed to the user]
    
```

MIGRATION OF FINANCIAL REPORTS FROM ADMIN PORTAL REPORTS TO REPORT PORTAL.

Previously some reports were generated only from Admin View Portal. For some reports, it was taking more to download and hence it was time-consuming. It takes less time for download on report portal so we have added those reports in Report portal View. So one can download those report from Report Portal.

The screenshot displays the Oracle Financials Cloud user interface. At the top, a navigation bar includes links for Configuration, User, Reporting, Finance, Trade, Customer, Regulatory, and Utilities. Below this, a 'My Account' menu is open, showing options like Profile, Transactions, Accounts, View Reports, Compliance, Activity Log, and Billing. The main content area on the right lists several reports: 'Billed Transaction Report', 'ncpmReport', 'TechProcessTestReport', 'standardizedAggregativeReport', 'ICICI NF TMP's Report', 'Bil Desk Load Money Transaction Report', and 'Merchant Transaction Report'. A 'Download' button is visible next to the 'ncpmReport'.

TOOL STUDY

It is a tool helps to find a mistake in programming code. It analysis and finds the mistakes. Some common mistakes are unused variable, empty catch box, unnecessary object etc. It is also used as Copy paste detector (CPD). It supports many language i.e. Java, JavaScript, SQL, Apache Velocity, XML, XSL

- Step 1) Export war file from Eclipse.
- Step 2) Create war file And Put in Deployment
- Step 3) Replace file in War File
- Step 4) WEB-INF\classes\com\tcc\anyfider\service\generic\querybank\
- Step 5) WEB-INF\classes\

Fig 4.3 War export.

- Step 6) WEB-INF\config\
- Step 7) copy in temp FROM FILEZILLA
- Step 8) Move Deploy from top to deployment via putty cp command
- Step 9) putty cp command \opt\wildfly\standalone\deployments\

Export

WAR Export
Export Web project to the local file system.

Web project: [myapp] [v]

Destination: C:\Program Files\Apache Software Foundation\Tomcat 5.5\apps\myapp [Browse...]

Target runtime
☒ Optimize for a specific server runtime
 Apache Tomcat v7.0 [v]

☒ Export source files
☐ Overwrite existing file

Exporting archive
 [Progress bar: 100%]

[Finish] [Cancel]

EMAIL CONFIGURATION PAGE:

Previously there was no direct page for email configuration. The Mail IDs for to and cc were used to add manually into the Database. We designed a page which is directly connected to the database. It helps to make a new entry in the database for each new mail.

Functionalities of Email Configuration Page:

Insert a new row if that entry does not exist in the database.

Popup of confirmation bar after every update:

- Update the database on every change
- Email validation on search.
- Email validation on the update.

Validation for comma separated emails.

Fetch email on search.

Email Configuration

Select Report

AuditorCashOut

Circle

corporate

Search

Send To:

CC:

Update

Email Configuration

New Row Inserted for Report & Circle Selected

Select Report

ActivationCommission

Circle

haryana

Search

Send To:

CC:

Update

QUERY PERFORMANCE ENHANCEMENT:

[illegible]

ANDROID APPLICATION OF SR PORTAL

- The objective is to make an android application that will help the customer to raise their complaint with the help of mobile. Currently, the SR Portal is desktop application so to raise complaints customer must use desktops, but an android application will give them the flexibility that they can raise their queries from anywhere using mobile.

[illegible]