

# **ORACLE BI REPORT**

**Create Simple Report** 

## Abstract

This document provides instructions to create a simple Oracle BI Report using a single data set with parameters as Data model and using a BI template to design the report layout. It also covers scheduling the report job.

Ganesh Mahto

Requirement: Create report that display employee wise element run result for particular period.

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Report Name: Employee Element Run Result Report

To develop this report, First create Data Model and create Layout using BI Template.

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Create V Report				

Navigation-> Tools->Reports and Analytics

Click on **Report**, it will open Report Wizard. Click on **Cancel** as first need to create Data Model that can be create from various place.

Data Model 🔍 🕂	Create Report	×	eters	Pr
Create Layout Basic Templates Blank Blank Header and Hea (Portrait) (Landscape) Footer (Fortrait) Upload or Generate Layout	Create Areport  Select Data Select Layout Create Chart Create Znd Chart Create Table Save Report  Use Data Model  Data Model  Q	×	letters	P
XSL Stylesheet or e Text template file.	How do you want to create your report?	ish		

#### Another way, Click on Browse Catalog

Reports and Analytics <sup>®</sup>	Browse Catalog
All Folders »	
Filter All types v Favorites Q Clear Filters	
Create V	

It will be open window, Click on Create for new Data Model or Report Layout.

Catalog		Alerts! Home Catalog Favorites - Dashboards - Cr	eate 👻 Open 👻	(

## **Data Model Design**

Create Data Model

Either click on plus (+) sign left side or click on right side Create -> Data Model

M Untitled	Home Catalog Favorites - Dashboards - Create - Open -
Data Model +	Parameters Pr → Analysis and Interactive Reporting Parameters Pr → Analysis ■ Dashboard a ▼ Filter
Basic Templates Basic Templates Blank, (Portrait), Blank, (Landscape) Upload or Generate Layout	Dashboard Prompt     Condition     Published Reporting     Report     Condition     Report     Condition     Report     Condition     Style Template
Upload RTF. PDF, Excel, Flash, XSL Stylesheet, or e Text template file. Upload Generate Generate	<ul> <li>Sub Template</li> <li>Actionable Intelligence</li> <li></li></ul>

It will leave this window and open new window Data Model.

#### Create Single Data Set using SQL Query

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			1 Validate	Manage Private Data Sources	View Data	Create R
	Data Model	Diagram Structure Data Code				
	Properties					
	Event Triggers	E LDAP Query				
	Flexfields	MDX Query				
	<ul> <li>List of Values</li> </ul>	Anahasia				
	Parameters	Allalysis				
	4 Bursting	🚔 HTTP (XML Feed)				

Select appropriate Database Source.

ApplicationDB\_HCM is selected as this report belong to HCM Cloud.

Data Model	Diagram Structure Dat	ta Code	
Properties	+*   / ×	-	
▲ Data Sets		New Data Set - SQL Query	@ ×
Event Triggers			
Flexfields		* Name Pay Element Run Result Report	
List of Values		* Data Source ApplicationDB_HCM 🔻 😏	
A Parameters		* Type of SQL Standard SQL	
Bursting			
		* SQL Query	Query Builder

Create a SQL query with bind Variable,

Note: Create bind variable use : before parameter name, a popup window will open to confirm and generate parameter.



ASSIGNMENT\_ID

TIME\_PERIOD\_ID

#E\* @

#t\* @

OK Cancel

Click OK to create parameter.

Modify Parameter type as Menu so that user can select parameter value from list of values.

						<ol> <li>Valid</li> </ol>	date Manage Private Data	Sources View Data	Create Report
Data Model	Parameters								
Properties	+ ×								
▲ Data Sets	* Name	Data Type	Default Value	Parameter Type	Mandatory	Row Placement	Reorder		
<ul> <li>Pay Element run result que</li> <li>A Event Triggers</li> </ul>	p_person_number	String -		Menu 👻		1 🗇	A.Y.		
▲ Flexfields	p_time_period_id	Integer 🔻		Menu 🔻		1 🕏	**		
List of Values     Parameters									
p_person_number									
p_time_period_id									
▲ Bursting									
	•								
						-			
	p_time_period_i	d: Type: Me	nu						
	D	isplay Label p_	time_period_id						
	L	ist of Values		-					
	Number of Values to Di	splay in List 10	0						

Create List of Values that needs to attach with Menu parameter.

1. Person Number

Full Name will be display and person\_number will be pass to Parameter

ata Model	List of Values					
⊿ Data Sets	*Name	Туре	D	ata Source	Reorder	
<ul> <li>Pay Element run result que</li> <li>Vent Triggers</li> </ul>	Pay Period	SQL Query	▼ A	pplicationDB_HCM v	**	
▲ Flexfields	Person Number	SQL Query	▼ A	pplicationDB_HCM v	**	
<ul> <li>Parameters</li> <li>p_person_number</li> <li>p_time_period_id</li> </ul>	Options C SQL Query	Cache Result				Query Builder
A Bursting	F W	ELECT ppn first_name ippn last_name as "full pap,person_number as ROM per all assignments f PER ALL PEOPLE F PER PERSON NAM PAY REL GROUPS PAY ASSIGNED PA pay all payrolls J pi HERE 1=1 AND pap.person_num ND sysdate BETWEFN	paaf, paaf, paaf, pap, VES_Fppn, i_DN asg, VFROLLS_D apf mber='1000'1 y ppn.effecti	mber N papd, 1212' ve start date AND pon el	fective end date	Î

#### 2. Pay Period

Period Name will be displayed and time\_period\_id will be passed to parameter

Data M	odel	Lis	st of Values						
Proper	ties	+	×						
	Data Sets		*Name	Туре		Data Source	Reorder		
	Pay Element run result que								
	Event Triggers		Pay Period	SQL Query	•	ApplicationDB_HCM	**		
	Flexfields		Person Number	SQL Query		ApplicationDB_HCM -	**		
.4	List of Values								
	Bo Pay Period								
	Person Number	Pa	y Period: Type	: SQL Query					
	Parameters		Options	Cache Result					
	p_person_number		801 Quant						line converting and
	E p_time_period_id		SQL QUELY						Query Builder
4	Bursting		s	elect ptp.PERIOD_NAME ptp.time_period_id as	as "Pe	ERIOD_NAME",			
			1	PAY_TIME_PERIODS pt pay_all_payrolls_f papf WHERE ptp.payroll_id=p AND papf, payroll_name= AND sysdate between pa AND ptp.start_date BETV 5)_1)	p, apf.Pay UK Mo apf.EFF VEEN a	vroll_id nthly Payroll ECTIVE_START_DATE and p add_months(trunc(add_month	papf.EFFECTIVE_END_DAT s(sysdate, -3), 'yyyy'), 3) AN	E D (add_months(trunc(add_	_months(sysdate, -3), 'yyyy'),

Now attached LOV with Parameters



#### Save the Data Model in custom folder

Save As				0	×
Folders	Save In /Shared Folders/Custom/ Pay Element Run Result Report_dm	•	Ð		
72	Name Pay Element Run Result Report_dm Description				
			K C	`	

View the data and Save sample data, this is required to create layout.



## Layout Design

Navigation -> Create Report

Create report layout from Same window after saving the sample data, Data model will be auto populated.

Data Model	Validate     Mc Diagram Structure Data Code	anage Private Data Sources   View Data Greate Report   🕍 ⊮   🔘
Properties  Data Sets	* Person Number Element Testing         *         * Pay Period 9 2024 Calendar Month         *           Rows 5         *         View Export         Save As Sample Data         View Engine Log         Generate SQL Monitor Report	
Event Triggers     Event Triggers     Flexfields     List of Values     Jist of Values     Jist of Pary Period     Resson Number	Three View         Table View           DATA_DS         PPRESON_NUMBER (10001212)           PTIME_PERIOD_ID (300000107753213)	í

Select the Data Model (Pay Element Run Result Report\_dm.xdm ) if not auto populated.

Note: Layout will be created using BI Template in this example.

To use other templates as given below in yellow highlighted screen, first need to create layout like RTF and upload here.



Create Report				×
	Select Data Select La	ayout Create Chart Create 2nd Char	t Create Table Save Report	
Page Op	otions			
Por	ntrait Landscape	<ul> <li>Page Header</li> <li>Page Footer</li> </ul>		
Layout				
	Table	Chart	O Pivot Table	
	Chart and Table	Chart and Pivot Table	Two Charts and Table	Finish
	Chart and Table	Chart and Pivot Table	Previous Next Bancel	Finish

Select the require field that needs to display

ata Model 🔍 🕂	Create Report	
	Select Data Select Layout Create Chart Create 2nd Chart Create Table Save Report	
eate Layout		
Basic lemplates	Drag fields from the Data Source to create the table. Sample data is displayed.	
	Data Source	
	DATA_DS     Calendar 01-12-2024 31-12-2024 Basic Salary LK 4166.67	
	Calendar 01-12-2024 01-12-2024 1/1000 0000	
(Portrait) (Landscape) Footer Fi	4266.67	
Upload RTF, POP, Ever, Flash, Xerpicite file.	A FULL MARE A SOUNDET, NU D RENOLL MARE D PEROL JAME D	isl



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📴 Pay Element Run Result Report_dm			
PAY_ELE_RUN_REPORT			
Name			
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Name PAY_ELE_RUN_REPORT Description			

Check the output of report.

* Person Number Element Testing	Ŧ	* Pay Period	9 2024 Calen	dar Month	* Apply									
Pay Element Run Result												9 JE	<b>1</b>	¢ 0
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	PERSON_NU							DORT	PAY_VALUE	1				
	MBER 10001212	Element Testing	T_NUMBER E10001212	AME UK Monthly Payroll	9 2024 Calendar Month	RT_DATE 01-12-2024	D_DATE 31-12-2024	ENT_NAME Basic Salary UK	4166.67					
	10001212	Element Testing	E10001212	UK Monthly Payroll	9 2024 Calendar Month	01-12-2024	31-12-2024	Transport Allowance	100					
	1								4266.67					

# Run the report from Report Job

Click on Catalog -> Select the Report file (.xdo)->click on More-> Schedule



#### Click on Submit

Enter the Report Job Name and click OK.

bmit	@ ×
Report /Custom	
Parameters "Person Number": "Element Testing", "Pay Period": "9 2024 Calendar Month"	
Schedule Start immediately	
Output Output1	
Notification null	
Trigger Data Model	
Trigger Name	
Trigger Retry Limit	
Trigger Pause Time	
Trigger Parameters	
Report Job Name Test Element RR_1	
	OK Cancel

Check processed report, Click on Return -> Select the Report file (.xdo)->click on More-> History

¢	Pay Element Run Resu Edit More ▼	lt Report_dm ι	
	PAY_ELE_RUN_REPOR	<b>RT</b> Last Modified '	
È	PAY_ELEN Schedule		
ŀ	Open Edit Jobs	UE_CO	
Search Report	Reset Job Histories	L	
× Ø	rt Job Name	Report Name	Status Sta
Tes	t Element RR_1	PAY_ELE_RUN_REPORT.xdo	Success J

Click on output1 to open report output file.

Tr	igger Parameters							
A Repo	Person Number Pay Period	Element Testing 9 2024 Calendar Month						
- Outp	out & Delivery XML Data 📥 Diagno	ostic Log 📩 Republish 🗞						
	Status All	, Tumbit	Frank	( la	Tere Tere	Colordan	Otatur	ford
	Output Name	Pay Element Run Res Report_Layout	sult PDF	English (United States)	(UTC+00:00) Etc/UTC - Coordinated Universal Time (UTC)	Gregorian	status 🛷	a

It will open PDF file as report output selected as PDF.

PERSON_NU MBER	FULL_NAME	ASSIGNMEN T_NUMBER	PAYROLL_N AME	PERIOD_NA ME	PERIOD_STA RT_DATE	PERIOD_EN D_DATE	BASE_ELEM ENT_NAME	PAY_VALUE
10001212	Element Testing	E10001212	UK Monthly Payroll	9 2024 Calendar Month	01-12-2024	31-12-2024	Basic Salary UK	4166.67
10001212	Element Testing	E10001212	UK Monthly Payroll	9 2024 Calendar Month	01-12-2024	31-12-2024	Transport Allowance	100
								4266.67

# Pay Element Run Result Report