

Modifying Work Order Details in Maximo V7

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This document details how you can modify the out of the box Work Order Details Report to meet your individual business needs. Three examples of modifications to this report will be given in the document below. These include

- A. Deleting Fields from the Planned Labor Section (Rate and Line Cost Fields) Pages 3 - 13
- B. Deleting Fields from the Actual Labor Section (Regular Rate, Premium Rate and Line Cost Fields)

Pages 14 - 24

C. Adding Fields to the Actual Material Section (Transaction Type Field) Pages 25 - 34

*NOTE: Before making any modification to your report, make sure to make a backup copy of the original, out of the box report.

Additionally, this document assumes that the individual making the modifications has the applicable version of the BIRT Designer loaded and configured. For Maximo Base Services up through 7.1.1.4, BIRT Designer 2.1.2 is used. For Maximo Base Services starting with 7.1.1.5, BIRT Designer 2.3.2 is used.

Reference:

The BIRT 2.1.2 designer can be downloaded at :

https://www14.software.ibm.com/webapp/iwm/web/reg/download.do?source=tivopal&S_PKG=1TW10OT03&lang=en_US&cp=UTF-8

Information on installing and configuring the BIRT Designer for use in Maximo is located at

http://www-

01.ibm.com/support/docview.wss?rs=3214&context=SSLKT6&q1=configuring+birt+des igner+212&uid=swg21315837&loc=en_US&cs=utf-8&lang=en

The BIRT 2.3.2 designer can be downloaded at:

http://www-01.ibm.com/software/brandcatalog/portal/opal/details?NavCode=1TW10OT07

Information on installing and configuring the BIRT Designer for use in Maximo is located at

http://www-01.ibm.com/software/sysmgmt/products/support/IBMMaximoAssetManagement.html

How to delete Rate and Line Cost Fields from Planned Labor table

A1. Open woprint.rpt design on BIRT

A2. On Data Explorer view, expand Data Sets and click on plannedLaborDataSet



A3. Click on Script tab

Release Detail	s							
Change Details	hange Details							
Activity Details								
Work Order De	taile							
Work Order De	D							
QUICK Reportin	g Details			Hearler Poly				
[wonum_desc]								
[longdesc]								
Asset:	[assetnum]	[assetdesc]						
Location:	[location]	[locdesc]						
CI:	[cinum]	[cidesc]						
	27 JUNE 10			122/02/02/		1.82 55		
Sched Start:	[schedstart]		Site:	[siteid]	Job Plan:	[jpnum]		
Sched Finish:	[schedfinish]		Priority:	[wopriority]	Supervisor:	[supervisor]		
Target Start:	[targstartdate]		Work Type:	[worktype]	Lead:	[lead]		
Target Finish:	[targcompdate]		Status:	[status]	Vendor:	[vendor]		
Actual Start:	[actstart]		Parent:	[parent]	Owner:	[owner]		
Actual Finish:	[actfinish]		Failure Class:	[failurecode]	Owner Grou	[ownergroup]		
Report Date:	[reportdate]		Problem Code:	[problemcode]	Service:	[commodity]		
Reported By:	[reportedby]			Data	Service Group:	[commoditygrou		
			St. 1	1999	Classification	falses and search search		

A4. Delete "wplabor.rate," and the whole line: "+ "(wplabor.quantity * wplabor.laborhrs * wplabor.rate) as linecost, ""

<pre>Script: open v Reset Script plannedLaborDataSet plannedLaborDataSet = MXReportDataSetProvider.oreate(this.getDataSource().getName(), this.getName()); plannedLaborDataSet.open(); var sqlText = new String(); // Add query to sqlText variable. sqlText = "select wplabor.laborcode,wplabor.craft, wplabor.skillevel, wplabor.vendor, wplabor.contractnum, " s + "wplabor.quantity, wplabor.orgid, wplabor.laborhrs, [wplabor.rate, " + "(wplabor.quantity * wplabor.laborhrs * wplabor.rate) as linecost, " + "(wplabor.quantity * wplabor.laborhrs * wplabor.rate) as linecost, " + "where workorder.wonum = wplabor.wonum " + "from wplabor, workorder " + "where workorder.parent = '' + rows[0]["wonum"].replace(/'/g,"''") + "' and workorder.taskid is not null) " + "or (workorder.wonum = ''' + rows[0]["wonum"].replace(/'/g,"''") + "' and workorder.taskid is null)) " + "and wplabor.siteid = ''' + rows[0]["siteid"] + "'" + "and wplabor.siteid = ''' + rows[0]["siteid"] + "'" + "order by workorder.taskid " + "order by workorder.ta</pre>	*wo	print.rptdesign 🕱
<pre>1 plannedLaborDataSet = MXReportDataSetFrovider.create(this.getDataSource().getName(), this.getName()); 2 plannedLaborDataSet.open(); 4 var sqlText = new String(); 5 6 // Add query to sqlText variable. 7 sqlText = "select wplabor.laborcode,wplabor.craft, wplabor.skilllevel, wplabor.vendor, wplabor.contractnum, " 4 "wplabor.quantity, wplabor.laborhors, wplabor.rate, " 9 + "(wplabor.quantity * wplabor.laborhrs * wplabor.rate) as linecost, " 10 + "workorder.istask, workorder.taskid, wplabor.ratehaschanged " 11 + "from wplabor, workorder " 12 + "where workorder.wonum = wplabor.wonum " 13 + "and ((workorder.parent = '" + rows[0]["wonum"].replace(/'/g, "''") + "' and workorder.taskid is not null) " 14 + "or (workorder.wonum = "' + rows[0]["wonum"].replace(/'/g, "''") + "' and workorder.taskid is null)) " 15 + "and wplabor.siteid = ''' + rows[0]["steid"] + "'" 17 + "and wplabor.siteid = ''' + rows[0]["steid"] + "'" 18 + "order by workorder.taskid " 19 ; 20 21 plannedLaborDataSet.setQuery(sqlText); </pre>	Script	t: open 🕑 Reset Script plannedLaborDataSet
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<pre>9 + "(wplabor.quantity * wplabor.laborhrs * wplabor.rate) as linecost, " 10 + "workorder.istask, workorder.taskid, wplabor.ratehaschanged " 11 + "form wplabor, workorder " 12 + "where workorder.wonum = wplabor.wonum " 13 + "and ((workorder.parent = '" + rows[0]["wonum"].replace(/'/g,"''") + "' and workorder.taskid is not null) " 14 + "or (workorder.wonum = '" + rows[0]["wonum"].replace(/'/g,"''") + "' and workorder.taskid is not null) " 15 + "and wplabor.siteid = workorder.siteid " 16 + "and wplabor.siteid = '" + rows[0]["siteid"] + "'" 17 + "and wplabor.orgid = '" + rows[0]["siteid"] + "'" 18 + "order by workorder.taskid " 19 ; 20 21 plannedLaborDataSet.setQuery(sqlText);</pre>	8	+ "wplabor.quantity, wplabor.orgid, wplabor.laborhrs, wplabor.rate, "
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<pre>12 + "where workorder.wonum = wplabor.wonum " 13 + "and ((workorder.parent = '" + rows[0]["wonum"].replace(/'/g,"''") + "' and workorder.taskid is not null) " 14 + "or (workorder.wonum = '" + rows[0]["wonum"].replace(/'/g,"''") + "' and workorder.taskid is null)) " 15 + "and wplabor.siteid = workorder.siteid " 16 + "and wplabor.siteid = '" + rows[0]["siteid"] + "'" 17 + "and wplabor.orgid = '" + rows[0]["siteid"] + "'" 18 + "order by workorder.taskid " 19 ; 20 21 plannedLaborDataSet.setQuery(sglText);</pre>	11	+ "from wplabor, workorder "
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<pre>16 + "and wplabor.siteid = '" + rows[0]["siteid"] + "'" 17 + "and wplabor.orgid = '" + rows[0]["orgid"] + "'" 18 + "order by workorder.taskid " 19 ; 20 21 plannedLaborDataSet.setQuery(sqlText);</pre>	15	+ "and wplabor.siteid = workorder.siteid "
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<pre>18 + "order by workorder.taskid " 19 ; 20 21 plannedLaborDataSet.setQuery(sqlText);</pre>	17	+ "and wplabor.orgid = '" + rows[0]["orgid"] + "'"
19 ; 20 21 plannedLaborDataSet.setQuery(sqlText);	18	+ "order by workorder.taskid "
20 21 plannedLaborDataSet.setQuery(sqlText);	19	;
21 plannedLaborDataSet.setQuery(sqlText);	20	
	21	plannedLaborDataSet.setQuery(sqlText);

A5. Switch to Fetch Script

🔝 *wo	print.rptdesign 🖾						
Scrip	t: open 💌 Reset Script plannedLaborDataSet						
1	Open Pidesorbe MReportDataSetProvider.oreate(this.getDataSource().getName(), this.getName());						
2	p fetch						
3							
4	var squrext - new solithg();						
5							
6	// Add guery to sqlText variable.						
	Sqliext = "select wplabor.laborcode,wplabor.cratt, wplabor.skillevel, wplabor.vendor, wplabor.contractnum, "						
	+ "Wpiabor.quantity, wpiabor.orgid, wpiabor.labornrs, "						
10	+ "workorder.istask, workorder.taskid, wpiapor.ratenaschanged "						
10	+ "Itom wpiabor, workerter "						
11	+ "Where workdreer wonum - wpiabor.wonum "						
12	$+$ and ((workerder)parent = -+ + rews(0)) (workerder) replace(()(π , y , $-+)$ + - and workerder, taskid is not null) -						
14	- of (worksteel.worksteel = worksteel ; fows(); worksteel ; reprace() /g,) + and worksteel.taskid is hull)) -						
15	+ "and wplabor.sterd - workorder.sterd -						
16	T and wplabor order - T lowslop(stella) T						
17	T and wprabor.orgin = flowsport orgin (orgin) T						
18	+ "order by workorder.taskid "						
19							
20	plannedLaborDataSet.setQuery(sqlText);						

A6. Delete lines:

row["rate"] = plannedLaborDataSet.getDouble("rate"); row["linecost"] = plannedLaborDataSet.getDouble("linecost");

```
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                          ¥
Script: fetch
                                                              plannedLaborDataSet
                                                   Reset Script
  1 if (!plannedLaborDataSet.fetch())
  2
         return (false);
  3
  4 // Add a line for each output column
  5 // The specific get method should match the data type of the output column.
  6
  7 row["laborcode"] = plannedLaborDataSet.getString("laborcode");
  8 row["craft"] = plannedLaborDataSet.getString("craft");
  9 row["skillevel"] = plannedLaborDataSet.getString("skillevel");
 10 row["vendor"] = plannedLaborDataSet.getString("vendor");
 11 row["contractnum"] = plannedLaborDataSet.getString("contractnum");
 12 row["orgid"] = plannedLaborDataSet.getString("orgid");
 13 row["quantity"] = plannedLaborDataSet.getDouble("quantity");
 14 row["laborhrs"] = plannedLaborDataSet.getDuration("laborhrs");
 15 row["rate"] = plannedLaborDataSet.getDouble("rate");
 16 row["linecost"] = plannedLaborDataSet.getDouble("linecost");
 17 row["istask"] = plannedLaborDataSet.getDouble("istask");
 18 row["taskid"] = plannedLaborDataSet.getDouble("taskid");
 19 row["ratehaschanged"] = plannedLaborDataSet.getInteger("ratehaschanged");
 20
 21 return (true);
```

A7. On Data Explorer, double click plannedLaborDataSet Data Set

A8. Click on Output Columns

😂 Edit Data Set - actualMateri	IIsDataSet	
Data Source Output Columns Parameters Filters Settings Preview Results	Data Source Select Data Source: maximoDataSource	
0		OK Cancel

A9. Delete both rate and linecost entries by selecting each one and clicking on "X" button. Click on OK button

Data Source	Output Columns	5			🔶 • 🖻
Parameters	Enter definition of outp	out columns that th	e fetch script produ	ces:	
Settings	Name	Туре	Alias	Display Name	
Draviaw Daeulte	laborcode	String			
FICTION RESULTS	craft	String			
	skillevel	String			
	vendor	String			
	contractnum	String			
	quantity	Decimal			
	orgid	String			
	laborhrs	String			
	rate	Decimal			
	linecost	Decimal	-		
	istask	Decimal	-		
	taskid	Decimal			
	ratehaschanged	Integer			

A10. Click on Layout tab

<pre>Script fetch</pre>	🔝 *wo	print.rptdesign 🔀
<pre>if (!plannedLaborDataSet.fetch()) return (false); // Add a line for each output column // The specific get method should match the data type of the output column. // The specific get method should match the data type of the output column. // row["laborcode"] = plannedLaborDataSet.getString("laborcode"); row["oraft"] = plannedLaborDataSet.getString("vendor"); row["ootractnum"] = plannedLaborDataSet.getString("orgid"); row["quantity"] = plannedLaborDataSet.getDuble("quantity"); row["laborhrs"] = plannedLaborDataSet.getDuble("quantity"); row["istask"] = plannedLaborDataSet.getDuble("istask"); row["istaski"] = plannedLaborDataSet.getDuble("istask"); row["ratehaschanged"] = plannedLaborDataSet.getInteger("ratehaschanged"); // return (true); // return (true); // Mater Page Sont Mt Source Preview // Mater Page Sont Page Source Pag</pre>	Script	t: fetch 🕑 Reset Script plannedLaborDataSet
20 21 return (true);	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19	<pre>if (!plannedLaborDataSet.fetch()) return (false); // Add a line for each output column // The specific get method should match the data type of the output column. row["laborcode"] = plannedLaborDataSet.getString("laborcode"); row["craft"] = plannedLaborDataSet.getString("craft"); row["skilllevel"] = plannedLaborDataSet.getString("skillevel"); row["wendor"] = plannedLaborDataSet.getString("contractnum"); row["contractnum"] = plannedLaborDataSet.getString("contractnum"); row["orgid"] = plannedLaborDataSet.getString("orgid"); row["duantity"] = plannedLaborDataSet.getDuatle("guantity"); row["laborhrs"] = plannedLaborDataSet.getDouble("laborhrs"); row["linecost"] = plannedLaborDataSet.getDouble("linecost"); row["istask"] = plannedLaborDataSet.getDouble("istask"); row["taskid"] = plannedLaborDataSet.getDouble("taskid"); row["ratehaschanged"] = plannedLaborDataSet.getInteger("ratehaschanged"); </pre>
Lavout Master Page Script XML Source Preview	20	return (true);
	Lavout	Master Page Script XML Source Preview

A11. On the report layout, click on Planned Labor label field

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	5 · · · 1 · · · · · · · · · · · · · · ·										
:	Task IDs										
:		Task ID			Description	Status	Measurement	Value		Date	Observations
		[taskid]			[description]	[status]	[pointnum]	[measurementvalue]		[measuredate]	[observation]
	15					Foote	Row				
ŀ	Ш	Planned Labor									
1		Task ID	Craft	Skill Level	Labor	Vendor	Contract	Qty	Hours	Rate	Line Cost
1:		[taskid]	[craft]	[skillevel]	[laborcode]	[vendor]	[contractnum]	[quantity]	[laborhrs]	[rate]	[linecost]
0	ĺ		Footer Row Total Planned Labor:						[data item]		
	Planned Materials										
:		Task ID	Item				Description	Storeroom	Qty	Unit Cost	Line Cost
		[taskid]	[itemnum]				[description]	[location]	[itemqty]	[unitcost]	[linecost]
17	Footer Row Total Planned Materials							[data item]			

A12. Click on Outline tab



A13. Select Table – Planned Labor



A14. Select the top of both Rate and Line Cost columns

[measurementvalue]		[measuredate]	[observation]
Qty	Hours	Rate	Line Cost
[quantity]	[laborhrs]	[rate]	[linecost]
		Total Planned Labor:	[data item]

A15. Right click on it and select Delete



A16. Right click on "Total Planned Labor:" label and select Delete

	Contract	Qty		Hours
	[contractnum]	[quantity]		[laborhrs]
	🞺 Undo Delei		Fotal Planned Labor:	
	😂 Redo			
Storer	of Cut		ost	Line Cost
[loca	Сору		ost]	[linecost]
	💼 Paste		ials:	[data item]
	💢 Delete			
Ver	Edit Create Ter	mplate Report Item	ost	Line Cost
[vei	Export to l	Library	ost]	[linecost]
	Style	•	bes:	[data item]
	Copy Form	nat		
	Paste Forn	nat	late	Line Cost

A17. Select the Planned table again (steps 11, 12 and 13)

 Įtaskioj			Laescription
Planned Labor			
Task ID	Craft	Skill Level	Labor
[taskid]	[craft]	[skillevel]	[laborcode]
			Footer Row

A18. On Planned table, select the icon from the last row (Footer Row)

A19. On Property Editor view, General tab, set the Height to 0.08

A20. The table should look like this:

Planned Labor	Planned Labor							
Task ID	Craft	Skill Level	Labor	Vendor	Contract	Qty	Hours	
[taskid]	[craft]	[skillevel]	[laborcode]	[vendor]	[contractnum]	[quantity]	[laborhrs]	

A21. On Property Editor, with the table selected, click on Binding tab

📝 Property Editor - Table 🛛 🔀 Problems							
Properties Binding Groups Map Highlights Sorting Filters							
General	General						
Margin	Name:	Planned Labor					
Border							
Page Break	<u>W</u> idth:	100 %					
Visibility		Auto					
Table of Contents	Vertical alignment:	Auto					
Bookmark	S <u>t</u> yle:	None 💌					

A22. Delete rate, linecost and data item rows

perties Binding Gro	ups Map Highlights S	orting Filters						
Name	Display Name	Data Type	Expression	Function	Filter	Aggregate On	^	<u>A</u> dd
contractnum		String	dataSetRow["c			N/A		
quantity		Decimal	dataSetRow["q			N/A		Add Aggrega
orgid		String	dataSetRow["o			N/A		
laborhrs		String	dataSetRow["la			N/A		Edit
rate		Decimal	dataSetRow["r			N/A		Laitan
linecost		Decimal	dataSetRow["li			N/A		
istask		Decimal	dataSetRow["is			N/A	=	Remove
taskid		Decimal	dataSetRow["t			N/A		
ratehaschanged		Integer	dataSetRow["r			N/A		Refresh
data item		Decimal	Total.sum(row[N/A		

A23. Save the report.

How to delete Regular Rate, Premium Rate and Line Cost Fields from Actual Labor table

- B1. Open woprint.rpt design on BIRT
- B2. On Data Explorer view, expand Data Sets and click on actualLaborDataSet



B3. Click on Script tab

le · · · · ·	"		and and the second s		an ann anns anns anns anns a				
Release Detail	s								
Change Detail	Sanao Dotale								
Antivity Dotails									
Activity Details									
work Order De	etails								
Quick Reportin	ng Details								
[wonum desc]				HESHER DAIL					
[lonadese]									
fronguesel	150	1.							
Asset:	[assetnum]	[assetdesc]							
Location:	[location]	[locdesc]							
CI:	[cinum]	[cidesc]							
Sched Start:	[schedstart]		Site:	[siteid]	Job Plan:	[jpnum]			
Sched Finish:	[schedfinish]		Priority:	[wopriority]	Supervisor:	[supervisor]			
Target Start:	[targstartdate]		Work Type:	[worktype]	Lead:	d: [lead]			
Target Finish:	[targcompdate]		Status:	[status]	Vendor:	[vendor]			
Actual Start:	[actstart]		Parent:	[parent]	Owner:	[owner]			
Actual Finish:	[actfinish]		Failure Class:	[failurecode]	Owner Group:	[ownergroup]			
Report Date:	[reportdate]		Problem Code:	[problemcode]	Service:	ice: [commodity]			
Reported By:	[reportedby]			Data	Service Group:	[commoditygrou			
	0 100000			falses and					

B4. Delete "labtrans.payrate," and the whole line: "+ "labtrans.premiumpayratetype, labtrans.linecost, labtrans.premiumpayrate ""

🔝 wo	print.rptdesign 🕱
Scrip	t open 💌 Keset Script actualLaborDataSet
1	<pre>actualLaborDataSet = MXReportDataSetProvider.create(this.getDataSource().getName(), this.getName());</pre>
2	actualLaborDataSet.open();
3	
4	<pre>var sqlText = new String();</pre>
5	
6	// Ada query to squeet variable.
	sqliext = "select workorder.taskiq, labtrans.crait, labtrans.skillevel, labtrans.laborcode, labtrans.vendor, "
	* "abtrans.contractnum, iabtrans.regularnis, labtrans.prenumpaynours, labtrans.paylate, "
10	- Tablians.premiumpayratetype, Tablians.Theodost, Tablians.premiumpayrate
11	Filter workpreder workpreder i labtrans, refwo "
12	+ "and workorder.siteid = labtrans.siteid "
13	+ "and labtrans.genapprservreceipt = 1 "
14	+ "and workorder.siteid = '" + rows[0]["siteid"] + "'"
15	+ "and ((workorder.parent = '" + rows[0]["wonum"].replace(/'/g,"''") + "' and workorder.taskid is not null) "
16	+ "or (workorder.wonum = '" + rows[0]["wonum"].replace(/'/g,"''") + "' and workorder.taskid is null)) "
17	+ "order by workorder.taskid"
18	;
19	
20	actualLaborDataSet.setQuery(sqlText);

B5. Switch to Fetch Script

🔝 w	oprir	nt.rptdesign 🛛
Scri	ipt:	open Reset Script actualLaborDataSet
1	a	<pre>open describe (ReportDataSetProvider.create(this.getDataSource().getName(), this.getName());</pre>
2	? a	(fetch);
3	8	lose hefreOpen
4	v	Ar Syfrext - new Stirhg();
	2 .	
	2	/ Add query to squiext variable.
		gliext - "Select workonder.taskig, labbrans.chit, labbrans.skillevel, labbrans.abbroode, labbrans.vendor, "
	: I	- labolais.conclacenam, labolais.teguainis, labolais.pteminmpaynouis, labolais.paylate, . "laboras premiumpaynaterume laborans linecost laboras premiumpaynate "
10	í .	- Inform labtrans, workerder "
11	+	"where workorder.wonum = labtrans.refwo "
12	+	- "and workorder.siteid = labtrans.siteid "
13	8 +	- "and labtrans.genapprservreceipt = 1 "
14	+	- "and workorder.siteid = '" + rows[0]["siteid"] + "'"
15	5 +	- "and ((workorder.parent = '" + rows[0]["wonum"].replace(/'/g,"''") + "' and workorder.taskid is not null) "
16	5 +	<pre>. "or (workorder.wonum = '" + rows[0]["wonum"].replace(/'/g,"''") + "' and workorder.taskid is null)) "</pre>
17	1 +	· "order by workorder.taskid"
18	;	
19	•	
20) a	actualLaborDataSet.setQuery(sqlText);

B6. Delete lines:

row["premiumpayratetype"] = actualLaborDataSet.getString("premiumpayratetype"); row["payrate"] = actualLaborDataSet.getDouble("payrate"); row["premiumpayrate"] = actualLaborDataSet.getDouble("premiumpayrate");

row["linecost"] = actualLaborDataSet.getDouble("linecost");

🔝 *wo	print.rptdesign 🛛
Script	t: fetch 🔍 Reset Script actualLaborDataSet
1	if (!actualLaborDataSet.fetch())
2	return (false);
3	
4	// Add a line for each output column
5	// The specific get method should match the data type of the output column.
6	
7	row["craft"] = actualLaborDataSet.getString("craft");
8	row["skilllevel"] = actualLaborDataSet.getString("skilllevel");
9	row["laborcode"] = actualLaborDataSet.getString("laborcode");
10	row["vendor"] = actualLaborDataSet.getString("vendor");
11	<pre>row["contractnum"] = actualLaborDataSet.getString("contractnum");</pre>
12	<pre>row["premiumpayratetype"] = actualLaborDataSet.getString("premiumpayratetype");</pre>
13	row["regularhrs"] = actualLaborDataSet.getDuration("regularhrs");
14	row["premiumpayhours"] = actualLaborDataSet.getDuration("premiumpayhours");
15	<pre>row["payrate"] = actualLaborDataSet.getDouble("payrate");</pre>
16	<pre>row["premiumpayrate"] = actualLaborDataSet.getDouble("premiumpayrate");</pre>
17	<pre>row["linecost"] = actualLaborDataSet.getDouble("linecost");</pre>
18	<pre>row["taskid"] = actualLaborDataSet.getDouble("taskid");</pre>
19	
20	
21	return (true);

B7. On Data Explorer, double click actualLaborDataSet Data Set

B8. Click on Output Columns

😂 Edit Data Set - actualMateri	IsDataSet		_ 🗆 🖾
Edit Data Set - actualMateri Data Source Output Columns Parameters Filters Settings Preview Results	ItsDataSet Data Source Select Data Source: maximoDat	•Source	
0			OK Cancel

B9. Delete payrate, premiumpayratetype, linecost and premiumpayrate entries by selecting each one and clicking on "X" button. Click on OK button

Data Source	Output Columns				⇔ • ⊖
Parameters	Enter definition of output of	columns that the fe	tch script produces:		
Filters	Name	Type	Alias	Display Name	
Preview Results	taskid	Decimal			
ric ric ric recourts	craft	String			
	skillevel	String			
	laborcode	String			
	vendor	String			
	contractnum	String			
	regularhrs	String			
	premiumpayhours	String			
	payrate	Decimal			
	premiumpayratetype	e String			L.
	linecost	Decimal			
	premiumpayrate	Decimal			18

B10. Click on Layout tab

wopr	rint.rptdesign 🛿		
5cript	: fetch	v	Reset Script actualLaborDataSet
1	if (!actualLaborDa	taSet.fetch())	
2	return (false)	;	
3			
4	// Add a line for	each output col	lumn
5	<pre>// The specific ge</pre>	t method should	d match the data type of the output column.
6			
7	row["craft"] = act	ualLaborDataSet	t.getString("craft");
8	row["skilllevel"]	= actualLaborDa	ataSet.getString("skilllevel");
9	row["laborcode"] =	actualLaborDat	<pre>taSet.getString("laborcode");</pre>
10	row["vendor"] = ac	tualLaborDataSe	et.getString("vendor");
11	row["contractnum"]	= actualLaborI	<pre>DataSet.getString("contractnum");</pre>
12	row["regularhrs"]	= actualLaborDa	ataSet.getDuration("regularhrs");
13	row["premiumpayhou	rs"] = actualLa	<pre>aborDataSet.getDuration("premiumpayhours");</pre>
14	row["taskid"] = ac	tualLaborDataSe	et.getDouble("taskid");
15			
16			
17	return (true);		
ay <u>o</u> ut	Master Page Script XML Sou	rce Pre <u>v</u> iew	

B11. On the report layout, click on Actual Labor label field

_		-									
				Footer Row					To	tal Planned Services:	[data item
Planned To	ools										
	Task ID	Too	1			Descripti	on	Qty	Hrs	Rate	Line Cos
	[taskid]	[itemnum	1			[descripti	on]	[itemqty]	[hours]	[rate]	[linecos
				Footer Row					•	Total Planned Tools:	[data item
	Task ID [taskid]	Craft [craft]	Skill Level [skillevel]	Labor [laborcode]	Vendor [vendor]	Contract Num [contractnum]	Regular [regularhrs]	Premium [premiumpa	Hours Regular yhours] [payrate]	Premium Rate [premiumpayrate]	Line Co [linecos
				Footer Row						Total Actual Labor:	[data item
Actual Mate	rials										issuetype
	Task ID	Iter	n		Description	Storero	m	Qty	Unit Cost	Line Cost	Issue Type
	[taskid]	[itemnum	1		[description]	[locati	on]	[quantity]	[unitcost]	[linecost]	[issuetype

B12. Click on Outline tab



B13. Select Table – Actual Labor



B14. Select the top of Regular, Premium Rate and Line Cost columns

	т	otal Planned Toolo	[data itom]
L			
Premium Hours	Regular	Premium Rate	Line Cost
[premiumpayhours]	[payrate]	[premiumpayrate]	[linecost]
		[data item]	
	Premium Hours [premiumpayhours]	Premium Hours Regular [premiumpayhours] [payrate]	Premium Hours Regular Premium Rate [premiumpayhours] [payrate] Total Actual Labor:

B15. Right click on it and select Delete



B16. Right click on "Total Actual Labor:" label and select Delete

	Contract Num	Regular Hours		Premium Hours		
	[contractnum]	[regularhrs]	[premiumpayho			
	A		Total Actual Labor:			
	Vindo Delete Co Redo	lumns L		issuetype		
~	y Redu		- Cost			
	Cut		COSE	Issue Type		
[qu	Сору		post]	[issuetype]		
	Paste		item]			
>	Delete					
Ve	Edit		Cost	Line Cost		
[V)	Create Templati	e Report Item	post]	[linecost]		
	Export to Librar	y	ices:	[data item]		
	Style	•				
	Copy Format					
	Paste Format		Rate	Line Cost		

B17. Select the Actual table again (steps 11, 12 and 13)

B18. On Actual Labor table, select the icon			from the last row	(Footer Row)
---	--	--	-------------------	--------------

 Įtaskioj			[aescription]
Planned Labor			
Task ID	Craft	Skill Level	Labor
[taskid]	[craft]	[skillevel]	[laborcode]
			Footer Row

-

B19. On Property Editor view, General tab, set the Height to 0.08

B20. The table should look like this:

	Actual Labor								
ľ	Task ID	Craft	Skill Level	Labor	Vendor	Contract Num	Regular Hours	Premium Hours	
ĺ	[taskid]	[craft]	[skillevel]	[laborcode]	[vendor]	[contractnum]	[regularhrs]	[premiumpayhours]	
ļ,				Footer Row					

B21. On Property Editor, with the table selected, click on Binding tab

Property Editor - Table	🔀 🔡 Problems	•	
Properties Binding Group	s Map Highlights So	orting Filters	
General	General		
Margin	Name:	Actual Labor	
Border			
Page Break	<u>W</u> idth:	100 %	~
Visibility		Auto	
Table of Contents	Vertical alignment:	Auto	*
Bookmark	S <u>t</u> yle:	None	~

B22. Delete rate, linecost and data item rows

	s Map Highlights Se	orting Filters						
Name	Display Name	Data Type	Expression	Function	Filter	Aggregate On	^	Add
skillevel		String	dataSetRow["s			N/A		
aborcode		String	dataSetRow["la			N/A		Add Aggregati
/endor		String	dataSetRow["v			N/A		
ontractnum		String	dataSetRow["c			N/A		Edit
egularhrs		String	dataSetRow["r			N/A	_	Luit
premiumpayhours		String	dataSetRow["p			N/A	=	
payrate		Decimal	dataSetRow["p			N/A		Remove
premiumpayratetype		String	dataSetRow["p			N/A		
inecost		Decimal	dataSetRow["li			N/A		Refresh
premiumpayrate		Decimal	dataSetRow["p			N/A		
data item		Integer	Total.sum(row[N/A	\sim	

B23. Save the report.

How to add Transaction Type field on Actual Materials Table

- C1. Open woprint.rpt desing on BIRT.
- C2. On Data Explorer view, expand Data Sets and click on actualMaterialsDataSet.



C3. Click on Script tab

7			the state and the search of the					
Release Detail	s							
Change Details	ал. 2							
Antivity Details	•							
Activity Details								
Work Order De	tails							
Quick Reporting Details								
Haster Sou								
[wonum_uess]								
liouñaset								
Asset:	[assetnum]	[assetdesc]						
Location:	[location]	[locdesc]						
CI:	[cinum]	[cidesc]						
Sched Start:	[schedstart]		Site:	[siteid]	Job Plan:	[jpnum]		
Sched Finish:	[schedfinish]		Priority:	[wopriority]	Supervisor:	[supervisor]		
Target Start:	[targstartdate]		Work Type:	[worktype]	Lead:	[lead]		
Target Finish:	[targcompdate]		Status:	[status]	Vendor:	[vendor]		
Actual Start:	[actstart]		Parent:	[parent]	Owner:	[owner]		
Actual Finish:	[actfinish]		Failure Class:	[failurecode]	Owner Group:	[ownergroup]		
Report Date:	[reportdate]		Problem Code:	[problemcode]	Service:	[commodity]		
Reported By:	[reportedby]			Data	Service Group:	[commoditygrou		
	6		Cl. Annumb	tali a suggi	Classification	on: [classstructureid]		

C4. Add ", matusetrans.issuetype" before the "from" clause.

10	uuruhinesilii 🗘 🖓 essellineanuh ohnaisellii 🕅 essellineanuh kinesilii	
crip	open Reset Script actualMaterialsDataSet	
1	actualMaterialsDataSet = MXReportDataSetFrovider.create(this.getDataSource().getName(), this.getName());	~
2	actualMaterialsDataSet.open();	
3		
4	<pre>var sqlText = new String();</pre>	
5		
6	// Add query to sqlText variable.	
7	<pre>sqlText = "select workorder.wonum, workorder.taskid, workorder.istask, matusetrans.itemnum, matusetrans.description</pre>	4
8	+ "matusetrans.location, matusetrans.quantity, matusetrans.unitcost, matusetrans.linecost, matusetrans.issuetype "	
9	+ "from matusetrans, workorder "	
10	+ "where workorder.siteid = !" + rows[0]["siteid"] + "!"	
11	+ "and workorder.wonum = matusetrans.refwo "	
12	<pre>+ "and ((workorder.parent = '" + rows[0]["wonum"].replace(/'/g,"''") + "' and workorder.taskid is not null) "</pre>	
13	+ "or (workorder.wonum = '" + rows[0]["wonum"].replace(/'/g,"''") + "' and workorder.taskid is null)) "	
14	+ "and workorder.siteid = matusetrans.tositeid "	
15	+ "order by workorder.taskid"	
16		
17		
	actualMaterialsDataSet setOuerv(solText) ·	

C5. Switch to Fetch Script

*wo	print.rptdesign 🛛 🔝 asset_costrollup_update.rptdesign 🗋 🗟 asset_costrollup.rptdesign 🦳
Scrip	it: open 🖌 🤟 Reset Script actualMaterialsDataSet
1 2 3 4	<pre>popen = MXReportDataSetFrovider.oreate(this.getDataSource().getName(), this.getName());</pre>
5 6	// Add query to sqlText variable.
8	sqlText = "select workorder.wonum, workorder.taskid, workorder.istask, matusetrans.itemnum, matusetrans.description, + "matusetrans.location, matusetrans.quantity, matusetrans.unitcost, matusetrans.linecost, matusetrans.issuetype "
9	<pre>+ "from matusetrans, workorder " + "where workorder.siteid = '" + rows[0]["siteid"] + "'"</pre>
11 12	<pre>+ "and workorder.wonum = matusetrans.refwo " + "and ((workorder.parent = '" + rows[0]["wonum"].replace(/'/g,"''") + "' and workorder.taskid is not null) "</pre>
13	<pre>+ "or (workorder.wonum = '" + rows[0]["wonum"].replace(/'/g,"''") + "' and workorder.taskid is null)) " + "and workorder.siteid = matusetrans.tositeid "</pre>
15	+ "order by workorder.taskid"
17	
18	actualMaterialsDataSet.setQuery(sqlText);

C6. Add "row["issuetype"] = actualMaterialsDataSet.getString("issuetype");" before "return (true)" statement

cript	: fetch 🔽 Reset Script actualMaterialsDataSet	
1	if (!actualMaterialsDataSet.fetch())	~
2	return (false);	
3		
4	// Add a line for each output column	
5	// The specific get method should match the data type of the output column.	
6		
7	row["wonum"] = actualMaterialsDataSet.getString("wonum");	
8	row["itemnum"] = actualMaterialsDataSet.getString("itemnum");	
9	row["description"] = actualMaterialsDataSet.getString("description");	
10	row["location"] = actualMaterialsDataSet.getString("location");	
11	row["taskid"] = actualMaterialsDataSet.getDouble("taskid");	
12	row["istask"] = actualMaterialsDataSet.getDouble("istask");	
13	row["linecost"] = actualMaterialsDataSet.getDouble("linecost");	
14	row["unitcost"] = actualMaterialsDataSet.getDouble("unitcost");	
15	if (actualMaterialsDataSet.getDouble("quantity") < 0)	
16	<pre>row["quantity"] = actualMaterialsDataSet.getDouble("quantity") * -1;</pre>	
17	else	
18	<pre>row["quantity"] = actualMaterialsDataSet.getDouble("quantity");</pre>	
19	row["issuetype"] = actualMaterialsDataSet.getString("issuetype");	
20		

C7. On Data Explorer view, double click actualMaterialsDataSet Data Set

C8. Click on Output Columns

👄 Edit Data Set - actualMateria	alsDataSet		
 Edit Data Set - actualMateria Data Source Output Columns Parameters Filters Settings Preview Results 	alsDataSet Data Source Select <u>D</u> ata Source:	maximoDataSource	
0		ок	Cancel

C9. Add: Name: issuetype Type: string Click on OK button

😂 Edit Data Set - actualMate	erialsDataSet				
Data Source	Output Column	s			
Parameters	Enter definition of out	put columns that th	e fetch script produ	ces:	
Filters Settings	Name	Туре	Alias	Display Name	
Preview Results	taskid	Decimal			
	istask	Decimal			
	itemnum	String			
	description	String			
	location	String			
	quantity	Decimal			
	unitcost	Decimal			
	linecost	Decimal			^
	wonum	String			
	issuetype	String			
					×
0					OK Cancel

C10. Click on Layout tab

🔝 *wo	print.rptdesign 🛛 🔃 asset_costrollup_update.rptdesign 🛛 🔝 asset_costrollup.rptdesign	- 8
Scrip	t: fetch 💌 Reset Script actualMaterialsDataSet	
1	if (!actualMaterialsDataSet.fetch())	A
2	return (false);	
3		
4	// Add a line for each output column	
5	// The specific get method should match the data type of the output column.	
6		
7	row["wonum"] = actualMaterialsDataSet.getString("wonum");	
8	<pre>row["itemnum"] = actualMaterialsDataSet.getString("itemnum");</pre>	
9	<pre>row["description"] = actualMaterialsDataSet.getString("description");</pre>	
10	<pre>row["location"] = actualMaterialsDataSet.getString("location");</pre>	
11	<pre>row["taskid"] = actualMaterialsDataSet.getDouble("taskid");</pre>	
12	<pre>row["istask"] = actualMaterialsDataSet.getDouble("istask");</pre>	
13	row "inecost"] = actualMaterialsDataset.getDouble ("inecost");	
14	row "unitcost"] = acualmaterialsuataset.getDouble("unitcost");	
15	ii (actualmaterialsbatast.getDouble ("quantity") < 0)	
17	row["quantity"] = actualMaterialSublaset.getDouble("quantity") * -1;	
1.9	GISC	
19	<pre>row[[gambio]] = actualMaterialBlataSet getString("issuetype").</pre>	
20		
21	return (true):	
		~
1	Manhar Dava Calab Mill Cause Calab	2
Layout	Turasrei waße (Sruhr) Wur sonrei Mieniew	

C11. On the report layout, click on Actual Materials label field.

Task ID	Craft	Skill Level	Labor	Vendor	Contract Num	Regular	Premium Hou	s Regular	Premium Rate	Line Co
[taskid]	[craft]	[skillevel]	[laborcode]	[vendor]	[contractnum]	[regularhrs]	[premiumpayhour	s] [payrate]	[premiumpayrate]	[lineco
			Footer Row						Total Actual Labor:	[data ite
ctual Materials										
Task ID	Item	-			Descri	otion	Storeroom	Qty	Unit Cost	Line C
[taskid]	[itemnum]				(descri	otion]	[location]	[quantity]	[unitcost]	[linecc
			Footer Row					To	tal Actual Materials:	[data ite
Table vices										
Task ID	Service Item				Descrij	otion	Vendor	Qty	Unit Cost	Line C
[taskid]	[itemnum]				(descri	otion]	[vendor]	[quantity]	[unitcost]	[lineco
			Footer Row					T	otal Actual Services:	[data ite
ctual Tools										
Task ID	Tool	1			Descri	otion	Qty	Hrs	Rate	Line C
[taskid]	[itemnum]				[descrij	otion]	[toolqty]	[toolhrs]	[toolrate]	[lineco
			Footer Row						Total Actual Tools:	(data ite
lelated Records										
	WO				Description		Class		Status	Relations
[related	lreckey]			[description] [rel			[relatedrecclass]		[status]	[relatety
	Ticket				Description		Class		Status	Relations
ľ	icketid]				[description]	ſre	atedrecclass]		[status]	frelateti

C12. Click on Outline tab.



C13. Select Table - Actual Materials



C14. Select the top of Description column

[taskid]	Locartj	[skillevei]	liaporcodej	[vendor]	[contractnum]	[regularnr:	sj [premiump	aynoursj [payrate	[premiumpayrate]	
			D						Total Astual Labor	t.
Actual Materials										
Task ID	Item				Descrip	tion	Storeroom	Qty	Unit Cost	L
[taskid]	[itemnum]				[descrip	tion]	[location]	[quantity]	[unitcost]	
			Footer Row	V				Т	otal Actual Materials:	[0

C15. On Property Editor, change column width to 3

Property Editor - Colur	nn 🛛 🔡 Probler	ns		
Properties Map Highlight	ts			
General	General			
Page Break Visibility	<u>W</u> idth:		3 in	~
Event Handler	Vertical alignment:	Auto		►
Havancea	<u>F</u> ont:			~
	<u>C</u> olor:	Black		~

C16. Right click on the top of Line Cost column and click on Insert > Column to the Right

	Total Astual about	ldətə itom l
	💛 Undo Change Property:Width	
	🖏 Redo	
oreroom Q	y	5t
location] [quantit	y] of Cut	t]
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	🗙 Delete	
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Column to the Right	Insert	▶ t]
Column to the Left	Merge Cells	1]
	Split Cell	
	Export to Library	
Qty	Insert Group	► it
[toolqty] [t	od - Style	► <u>1</u>
	Copy Format	ני
	Paste Format	
Class	Edit Data Binding	p
r111	r	

C17. Select both Actual Materials cell and the cell in blue you've just created.



C18. Right click on the blue empty cell you've selected and click on Merge Cells

C19. Right click on the line next to Line Cost field. Click on Insert > Label

C20. On Property Editor, Select Localization tab and click on "..." button

Property Editor - Label	🔀 🔝 Problems
Properties Highlights	
Border	Localization
Margin	
Hyperlink	Text key: Reset
Page Break	Note: To set localization, select the report and set the Resource File name in the
Visibility	Resources tab of the Property Editor.
Localization	
Table of Contents	

C21. Enter:

Key: transactiontype Value: Transaction Type Click on Add button

Quick Add		
Key	Value	
transactiontype	Transaction Type	Add Delete

C22. Select transactiontype on the list and click on OK button.

C23. Expand actualMaterialDataSet from Data Explorer view.

		Total Östual Labor	[data itom]
Qty	Unit Cost	Line Cost	Transaction Type
[quantity]	[unitcost]	[linecost]	issuetype
	Total Actual Materials:	[data item]	

C24. Drag and drop issuetype from actualMaterialDataSet to the report

C25. The new column should look like this:

Transaction Type	Line Cost	Unit Cost	Qty
[issuetype]	[linecost]	[unitcost]	[quantity]
	[data item]	otal Actual Materials:	٦

C26. Save the report

After your report modifications are complete, import the updated report. You can do this either via the command utility, or thru the action available in Maximo's Report Administration application.

For additional details on importing, reference the V7 Report Feature Guide available on IBM's support site.

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