



## **How to create a TimeTrak Report with a Sub Report**

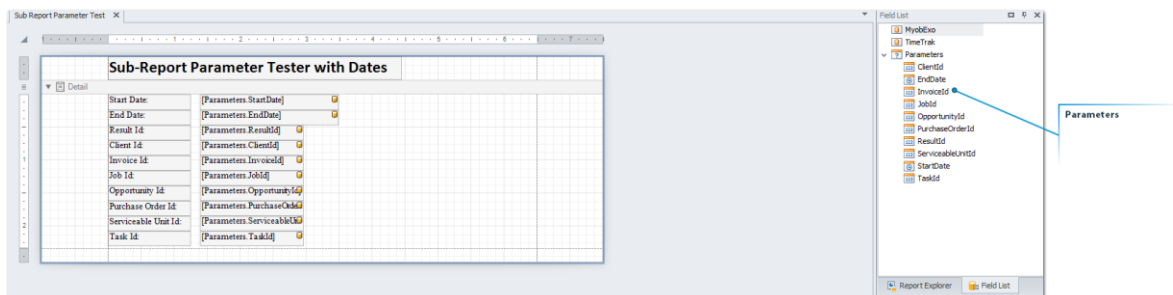
User guide  
2017

This whitepaper is for those users who are already comfortable with creating reports in the TimeTrak Report Writer.

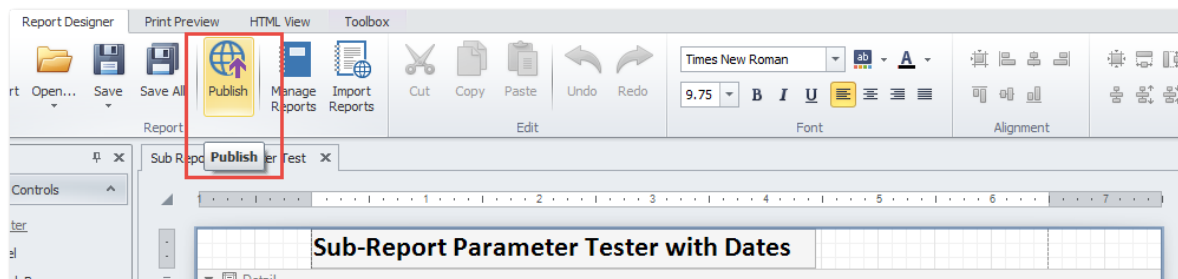
## Adding a Sub Report to a Master Report

### Create the Sub Report

Create the Sub Report first, get the data correct, the formatting in place and add the parameters it needs to have passed into it from the Master Report.



Publish the report to the database



Set the visibility to none so that the sub report does not show up in the reports list in the websites.

It will show in the reports list in the TimeTrak Admin Console.

Publish Report

Publish New Report

Name: Sub Report Parameter Test

Category: General

Report Type: General

Permissions: Admin Profile, Another Profile, Equipment Profile, Subby, Testing Profile

Visibility: None

Update Existing

Report:

- (Select All)
- TimeTrak Professional
- TimeTrak Mobile
- TimeTrak Client Portal

OK Cancel

## Find the Sub Report in the TimeTrak Database

Open SQL Management Studio and run this query against the TimeTrak database.

```
SELECT * from Reports
```

Find the ID of the newly created Sub Report.

SQLQuery2.sql - FT...IMETRAK4 (sa (54))\*

```
select * from Reports
```

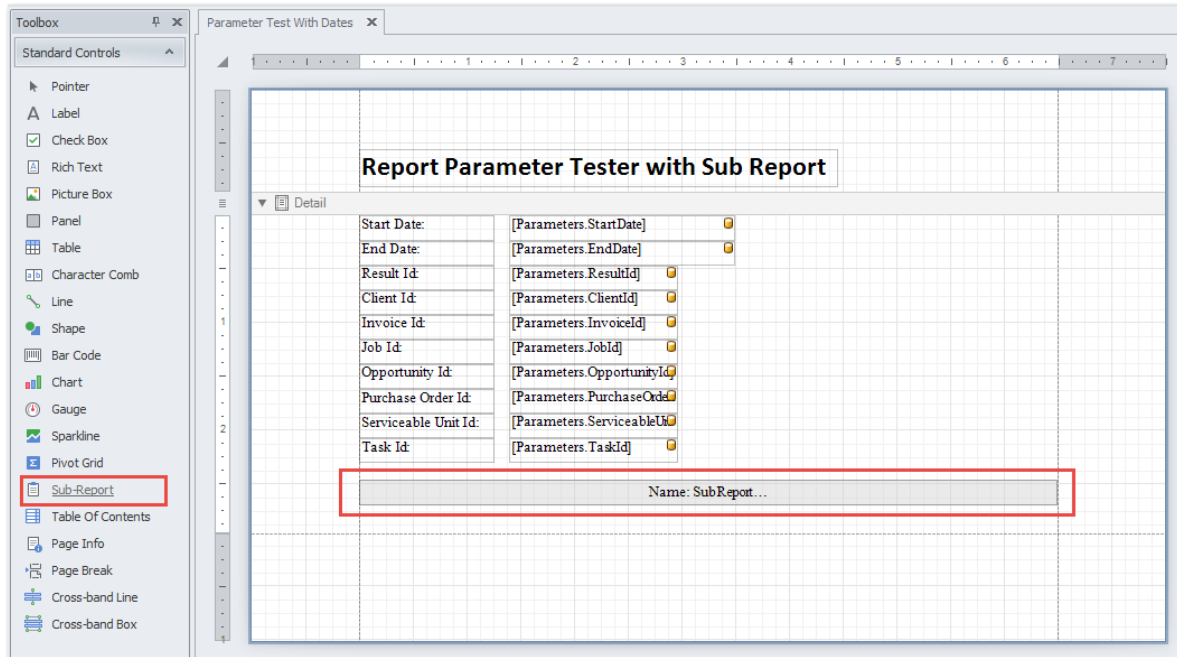
100 %

Results Messages

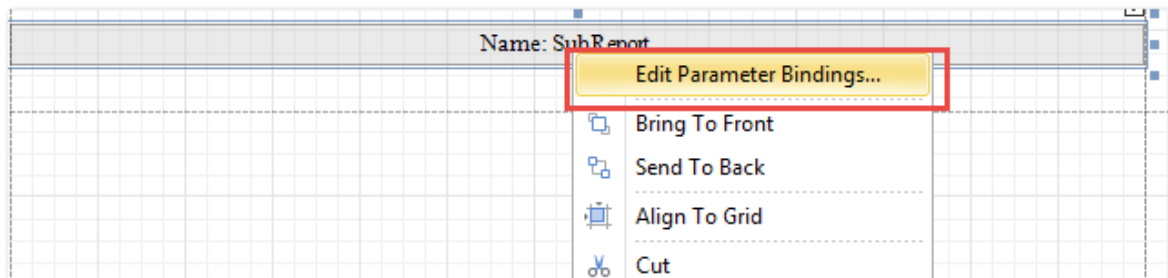
	Id	Name	Url	Visibility	Report Type	Sho
31	32	Overview Console	Overview.aspx	1	257	0
32	33	Management Report	ManagementReport.aspx	1	257	1
33	34	Task Information Report	TaskInformation.aspx	1	257	0
34	35	Client Task Summary	TaskSummary.aspx	1	261	0
35	36	Job/Task Console	JobTaskConsole.aspx	1	257	0
36	37	Non Productive Analysis Report	NonProductiveAnalysisRepo...	1	1	1
37	38	Unverified Hours Report	UnverifiedHoursReport.aspx	1	1	1
38	1037	Management Report By Client	ManagementReportByClient....	1	257	1
39	2045	Task Summary Detailed	TaskSummaryDetailed.repx	1	1	0
40	2048	TaskListInDetail		1	1	0
41	3052	Users	User.repx	1	1	0
42	4050	Invoice	Invoice.repx	1	16	0
43	4052	Job Quote	DetailedQuote.repx	1	9	0
44	4057	M S-10- General Electric Work	MS-10-GeneralElectricWork....	1	1	0
45	4060	Average Time to Create Time Entries	AverageTimetoCreateTimeE...	1	1	0
46	4061	Hours Worked With Clocking No Time	HoursWorkedWithClockingN...	1	1	0
47	4062	Payroll User Summary	PayrollUserSummary.repx	1	1	0
48	4063	TimeSheet Report	TimeSheetReport.repx	1	1	0
49	4064	Hours Worked Report	HoursWorkedReport.aspx	1	1	1
50	4065	Job Task Summary	ProjectSummary.aspx	1	256	0
51	4066	Job Task Management	ProjectSummaryEdit.aspx	1	256	0
52	4067	Opportunity Quote	OpportunityQuote.repx	2	512	0
53	4070	Invoices On Jobs	InvoicesOnJobs.repx	1	5	0
54	4072	PurchaseOrder	PurchaseOrder.repx	3	32	0
55	4073	JobQuote	JobQuoteForm.repx	3	12	0
56	4074	New Checklist Report 4	New Checklist Report 4.repx	3	128	0
57	4075	ServiceableUnitHistory	.repx	3	64	0
58	4076	Debtor Sales Report	DebtorSalesReport.repx	3	3	0
59	4077	ClientPurchasesByStockGroup	.repx	3	2	0
60	4078	MobileClientPurchases	.repx	2	2	0
61	4079	Work Verification Report	WorkVerificationReport.repx	1	257	0
62	4080	Checklist Results Report (Advanced)	ChecklistResultsReport(Adv...	1	2	0
63	4081	Checklist Report	ChecklistResultsReport(Basi...	1	2	0
64	4085	Sub Report Parameter Test	SubReportParameterTest.repx	0	1	0
65	4086	Parameter Test With Dates	ParameterTestWithDates.repx	3	1	0

## Create the Master Report

Create the Master Report, get the data correct, the formatting in place.  
Add a Sub Report Control to the Master Report

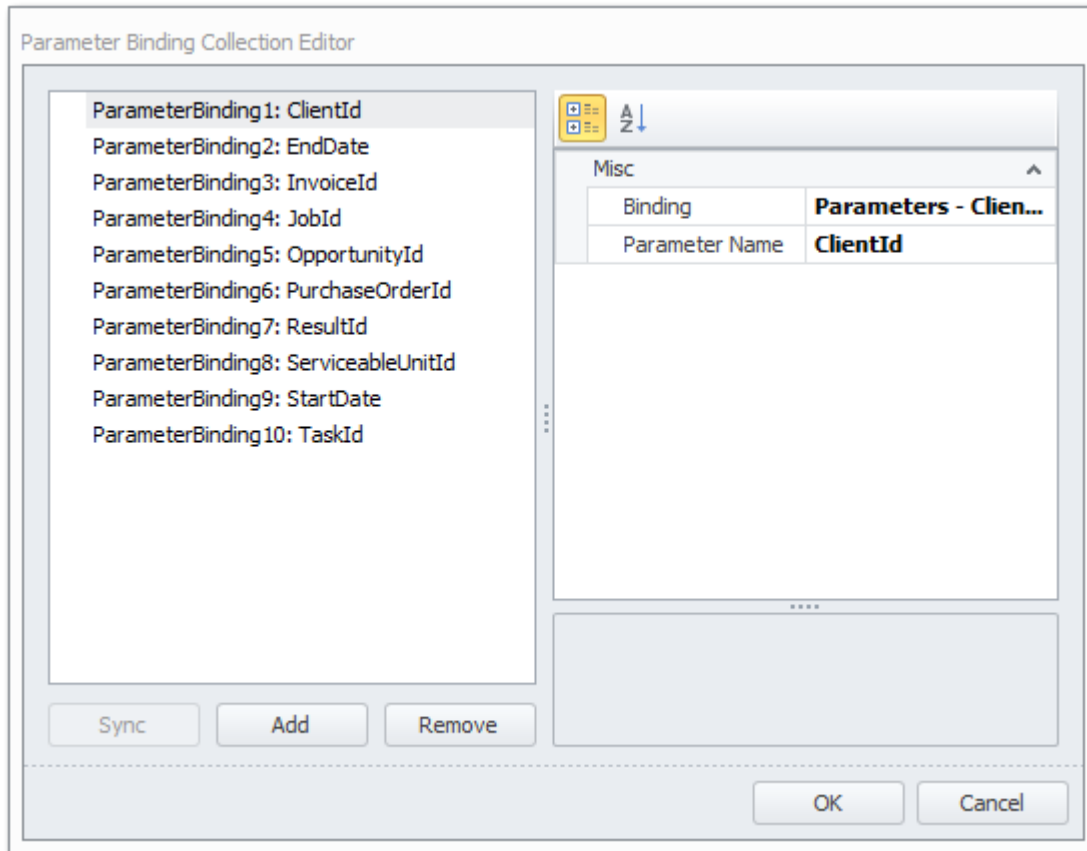


Right click on the Sub Report Control and select the option to Edit Parameter Bindings



These needs to be a matching parameter or fields in the Master Report to the parameters that are in the Sub Report

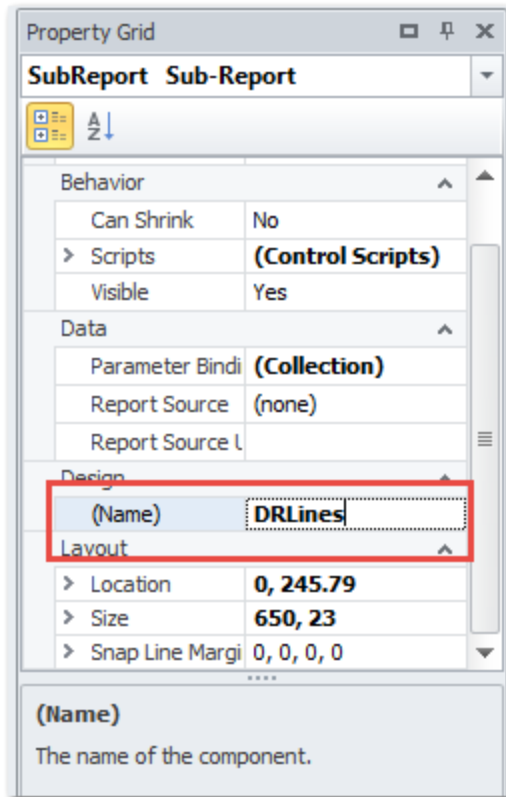
Match these up in the Bindings between the two reports.



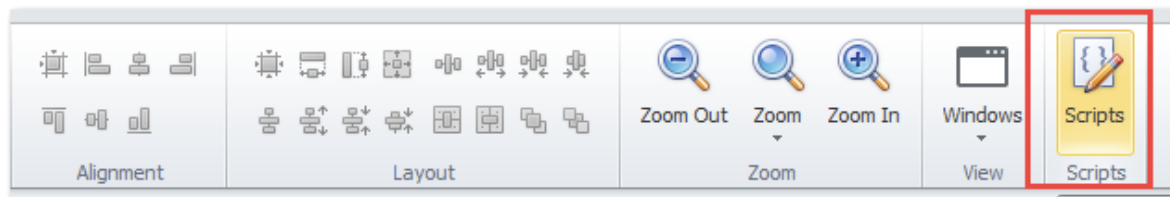
If you have more than one Sub Report in the Master Report it is a good idea to name them meaningful names

In the Property Grid

Update the Name in the Design options



Now we need to programmatically link to the Sub Report  
Click on the Scripts Button



In the Scripts screen  
At the top have this code

```
Imports Exosoft.TimeTrak.Data
Imports DevExpress.XtraReports.Parameters
```

Then under any other code you might have entered copy this

```
Private Sub SubReport_BeforePrint(ByVal sender As Object, ByVal e As
System.Drawing.Printing.PrintEventArgs)
Dim r as Report = Reports.GetItem(REPORTID)
If Not r Is Nothing Then
CType(sender, XRSubReport).ReportSource = r.GetXtraReport()
End If
End Sub
```

Below is an example of this should look

**Sub Report Name**  
If you rename the SubReport- change it here

```

1 Imports Exosoft.TimeTrak.Data
2 Imports DevExpress.XtraReports.Parameters
3
4 Private Sub Report1_ParametersRequestBeforeShow(ByVal sender As Object, ByVal e As DevExpress.XtraReports.Parameters.ParametersRequestEventArgs)
5     For Each info As ParameterInfo In e.ParametersInformation
6         Select Case info.Parameter.Name
7             Case "StartDate"
8                 info.Parameter.Value = New Date(Date.Now().AddMonths(-3).Year, Date.Now().AddMonths(-3).Month, 1)
9             Case "EndDate"
10                info.Parameter.Value = New Date(Date.Now().Year, Date.Now().Month, 1)
11        End Select
12    Next
13 End Sub
14
15 Private Sub SubReport_BeforePrint(ByVal sender As Object, ByVal e As System.Drawing.Printing.PrintEventArgs)
16     Dim r as Report = Reports.GetItem(4085)
17     If Not r Is Nothing Then
18         CType(sender, XtraSubReport).ReportSource = r.GetXtraReport()
19     End If
20 End Sub

```

**Report ID**  
Populate this value with the Sub Report ID from the Reports Table in the TimeTrak database

Click on the Print Preview Tab  
Run any parameters

TimeTrak Report Designer

Report Designer | **Print Preview** | HTML View

Save | Print | Quick Print | **Parameters** | Header/Footer | Scale | Margins | Orientation | Size | Find | Thumbnails | Bookmarks | First Page

Parameter Test With Dates\* x

Parameters

Start Date: 1/05/2017

End Date: 1/08/2017

Reset | Submit

Publish the report once you are happy with it.



