Project and task dates

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Introduction

The purpose of this document is to illustrate how the project and task dates and times correlate and reflect the assignments in a couple of simple tests.

Queries used

```
SELECT
INV_INVESTMENTS.NAME Name
,INV_INVESTMENTS.CODE Code
,INV_INVESTMENTS.SCHEDULE_START Start
,INV_INVESTMENTS.SCHEDULE_FINISH Finish
FROM INV_INVESTMENTS
where INV_INVESTMENTS.ID=5001201
UNION
SELECT
PRTASK.PRNAME Name
,PRTASK.PREXTERNALID Code
,PRTASK.PRSTART Start
```

,PRTASK.PRFINISH Finish
FROM PRTASK
WHERE PRTASK.PRPROJECTID = 5001201
ORDER BY Name Desc

Just the project

Project created Sept 1 - Dec 31 2013

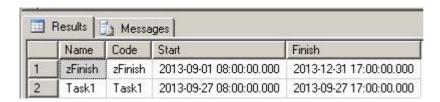


in OWB it looks the same as expected



Project and one task

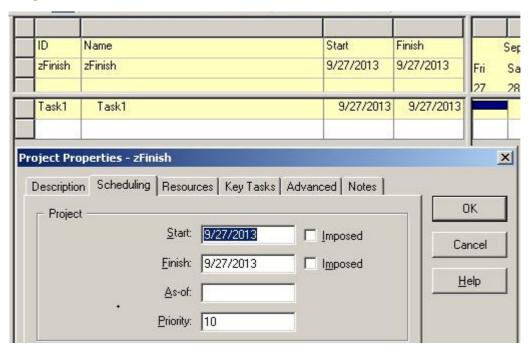
Add a Task for current data one day duration



Note that the project dates remain unchanged while the task dates are one working day.

Allocate a resource to the project for the month of October: No change in dates in the database nor in OWB.

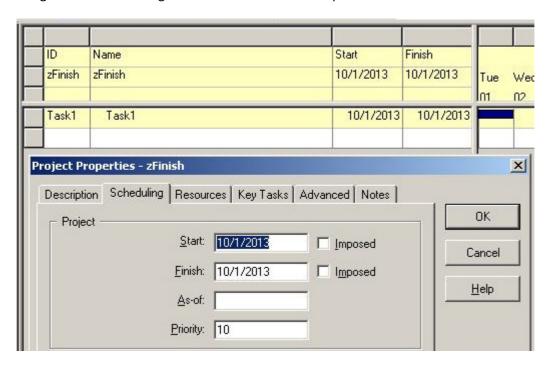
In OWB



Note that in OWB the project dates are immediately reflecting the start of the first task and the finish of the last task. When saved back to Clarity the database dates remain as they are above.

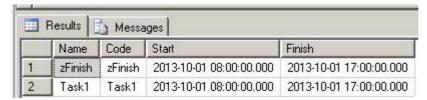
With one day assignment

Assign a resource is assigned to the task in OWB and put 8 hours of ETC on October 1st.



Note that in OWB the task dates reflect the assignments dates and the project dates again reflect the task dates.

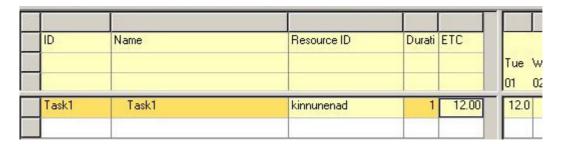
In the database



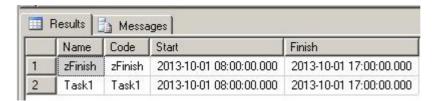
When the project is saved back to Clarity the project and task dates change to match was in OWB i.e. the working day on October 1st.

Longer assignment

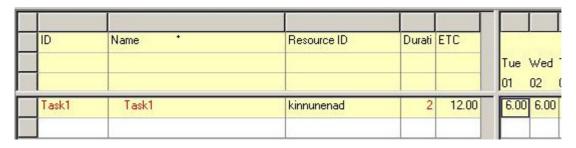
Second test with assignment is to assign 12 hours in OWB so that it cannot be completed in one full day, but takes less than two full days.



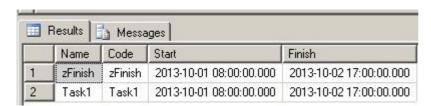
In the database the base assignment does not create any change



Only when the project is scheduled the dates changes in the database



Note that the loading pattern is contour



Even if the work effort is less than two full days. the finish date/time for the project and task is at the end of the work shift.

Two tasks with assingments

Next test is with two tasks and the resource assigned to both of them and the tasks are dependent (finish to start)

Loading pattern contour



Note that OWB schedules the successor the next day even though the option is not selected. (v12.1.0.1)



The database finish for both tasks is at the end of the working day.

Looking at the assingments



even they finish at the end of the working day.

Loading pattern front

The next test is the same assignments, but with the loading pattern front.

ID	Name	Resource ID	Durati	ETC	Loa			
						Tue	Wed	Thu
						01	02	03
Task1	Task1	kinnunenad	2	12.00	Fro	8.00	4.00	
Task2	Task2	kinnunenad	1	3.00	Fro			3.0

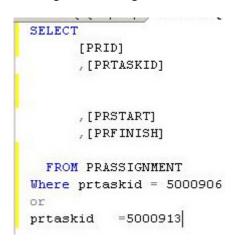
The difference in OWB is that the first task is scheduled for 8 hours on the firs day.

In the database

Results Messages							
	Name	Code	Start	Finish	ID		
1	zFinish	zFinish	2013-10-01 08:00:00.000	2013-10-03 11:00:00.000	5001201		
2	Task2	Task2	2013-10-03 08:00:00.000	2013-10-03 11:00:00.000	5000913		
3	Task1	Task1	2013-10-01 08:00:00.000	2013-10-02 12:00:00.000	5000906		

the finish dates/times reflect the work effort both for the tasks and the project with the exception of the successor starting the next day.

Looking at the assingments





the assignment finish matches the work effort.

CONCLUSIONS

The project dates in these tests were the same in the database and in the GUI and OWB and appear to be independent from tasks dates when there are no assignment.

When there are resources assigned and ETC set on the assignments then the project dates reflect the dates of the tasks and assignments.

When the loading pattern contour the finish time is the finish time of the working day.

When the loading pattern is front the finish time is the time when the work effort on the assignment ends.

REVISIONS

v.01 September 27, 2013

The content of these pages is presented as personal views only and not as any sort of advice or instruction.