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TECH TIP

RUNNING THE "CHECK SCHEDULE" FEATURE
ORACLE PRIMAVERA P6 EPPM

Users of Oracle Primavera P6 have the ability to run the "Check Schedule" feature with P6 EPPM to see detailed analysis of schedule information. This feature greatly reduces the time required to check basic scheduling best practice and is capable of producing a printable report for use.

To run the "Schedule Check" feature within P6 EPPM, click on Activities. Select "Actions", "Run", and select "Check Schedule".

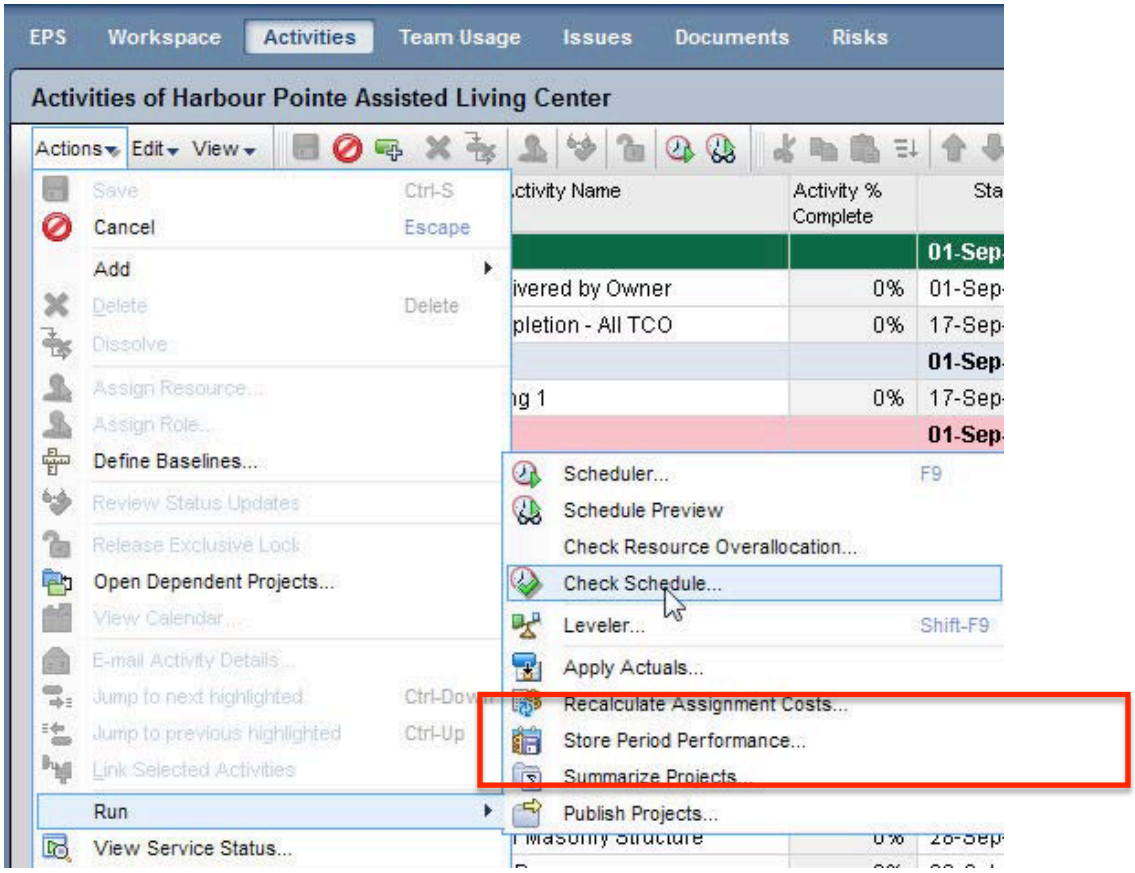

Figure 1 - Run "Check Schedule" feature

These tech tips are offered free of charge in the spirit of sharing knowledge with others. They do not include technical support, should you have a problem with them. We are always interested in how they can be improved, please do not hesitate to email us your comments. These tips have been thoroughly tested by our consultants in a variety of environments. Please read these tech tips thoroughly and be sure that you understand them before trying to use them. We can not be responsible for issues that develop because of the configuration of your hardware, technical environment or application of the tech memos. If you are not sure, then we urge you to contact Oracle technical support or your local support consultant for assistance.

EPPM "Check Schedule" feature will allow for users to select any of 14 different metrics to check in the currently open schedule file. Target percentages can be established based on the specific requirements of the organization or project and customized information related to duration and float values can be established as well. Check boxes on the left side of the configuration window allow users to choose which items are to be included in the analysis within P6 EPPM.

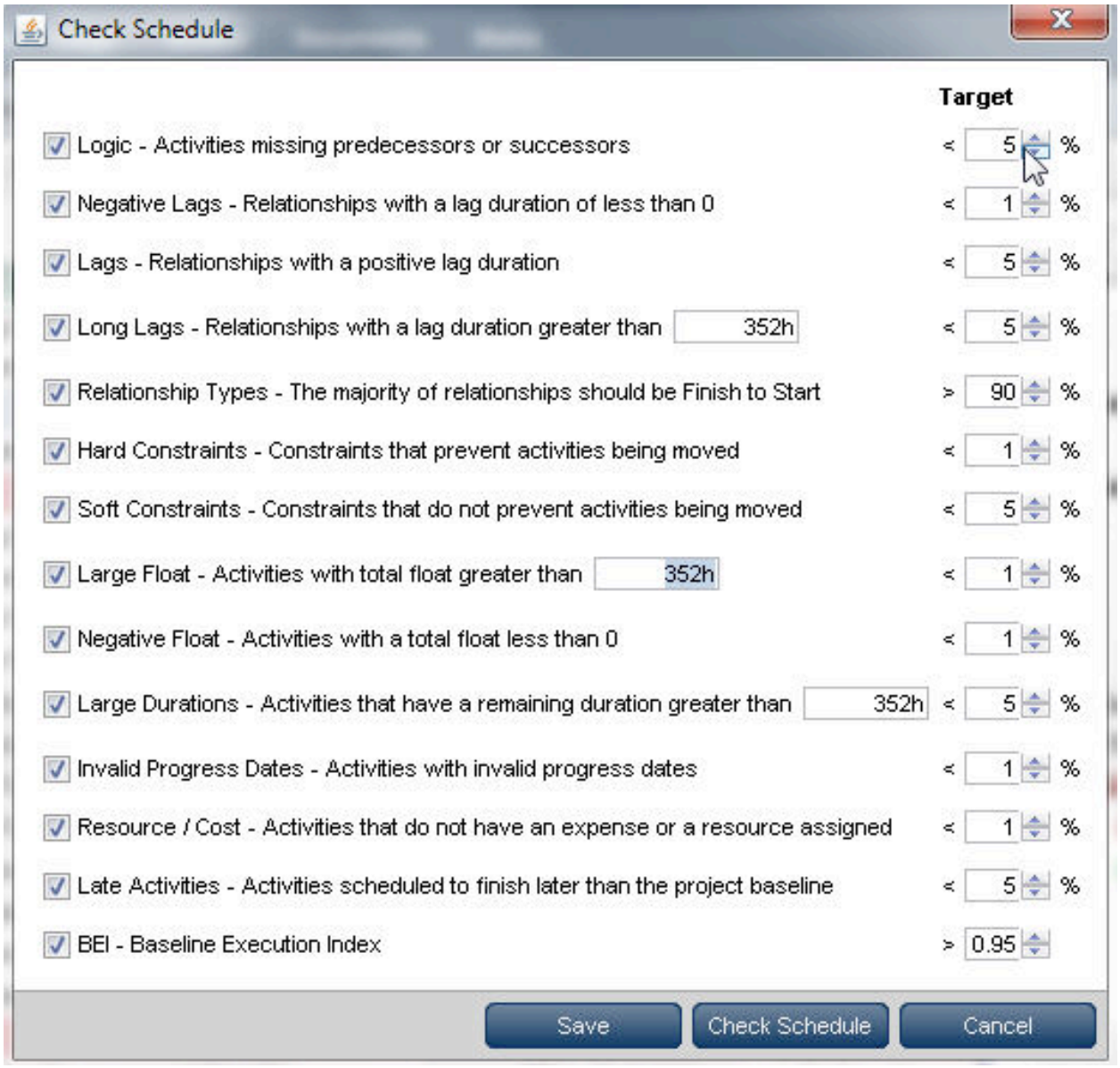

Figure 2 - Configure Metrics for Analysis

Once the metrics for the project have been established, select the option for "Check Schedule" and view the report.

Projects checked

Project ID	Project Name	Data Date	Total Activities	Complete Activities	Total Links
EC00610	Harbour Pointe Assisted Living Center	01-Jun-11	132	21	213

Projects checked have links to the following Closed Projects

Check Summary

Check	Description	Target	Actual	Found	Total
Logic	Activities missing predecessors or successors	< 5%	2%	2	111
Negative Lags	Relationships with a lag duration of less than 0	< 1%	12%	24	201
Positive Lags	Relationships with a positive lag duration	< 5%	12%	25	201
Long Lags	Relationships with a lag duration greater than 352 hours	< 5%	0%	1	201
Relationship Types	The majority of relationships should be Finish to Start	> 90%	85%	171	201
Hard Constraints	Constraints that prevent activities being moved	< 1%	0%	0	111
Soft Constraints	Constraints that do not prevent activities being moved	< 5%	5%	5	111
Large Float	Activities with total float greater than 352 hours	< 1%	78%	87	111
Negative Float	Activities with a total float less than 0	< 1%	0%	0	111
Large Durations	Activities that have a remaining duration greater than 352 hours	< 5%	46%	46	99
Invalid Progress Dates (before the data date)	Incomplete activities before the data date	< 1%	0%	0	114
Invalid Progress Dates (after the data date)	Activities with actual dates after the data date	< 1%	4%	4	114
Resource / Cost	Activities that do not have an expense or a resource assigned	< 1%	1%	1	118
Late Activities	Activities scheduled to finish later than the project baseline	< 5%	6%	6	99
BEI	Baseline Execution Index	> 0.95	0.95	-	-

Figure 3 - Sample Summary "Check Schedule" report

The summary report will display high level information based on the percentages and durations specified when configuring the Check Schedule feature. Column information will display the target percentage, actual percentage as found in the current schedule, total number of activities found that match the criteria description along with total activities.

Logic - Activities missing predecessors or successors

Project ID	Activity ID	Activity Description	State
EC00610	EC1610	Curbs & Paving	No Successor
EC00610	EC2450	New Task Added by BC	No Successor

Negative Lags - Relationships with a lag duration of less than 0

Lags - Relationships with a positive lag duration

Long Lags - Relationships with a lag duration greater than 352 hours

Predecessor Project ID	Predecessor Activity ID	Predecessor Activity Description	Relationship Type	Lag Duration (hours)	Successor Project ID	Successor Activity ID	Successor Activity Description
EC00610	EC1000	Curbing	Finish to Start	560	EC00610	EC1600	Site Cleanup

Relationship Types - The majority of relationships should be Finish to Start

Relationship Type	Count	%
Finish to Finish	7	3%
Finish to Start	171	85%
Start to Finish	1	0%
Start to Start	22	11%

Predecessor Project ID	Predecessor Activity ID	Predecessor Activity Description	Relationship Type	Lag Duration (hours)	Successor Project ID	Successor Activity ID	Successor Activity Description
EC00610	EC1000	Curbing	Start to Start	320	EC00610	EC1600	Site Cleanup
EC00610	EC1150	Building Slab Incl. UG Utils	Start to Finish	0	EC00610	EC2020	Roof Complete
EC00610	EC1350	Roof Slab/Collar Beam	Start to Start	0	EC00610	EC1360	Mobilize Scaffolding

Listed below the Summary section of the report are the detailed listing of activities which establish the information contained within the Summary portion of the report.