

Oracle Primavera P6 Version 21 Resource and Role Cost Spreads Consider Rate Changes Over Time Enhancement

1 Introduction

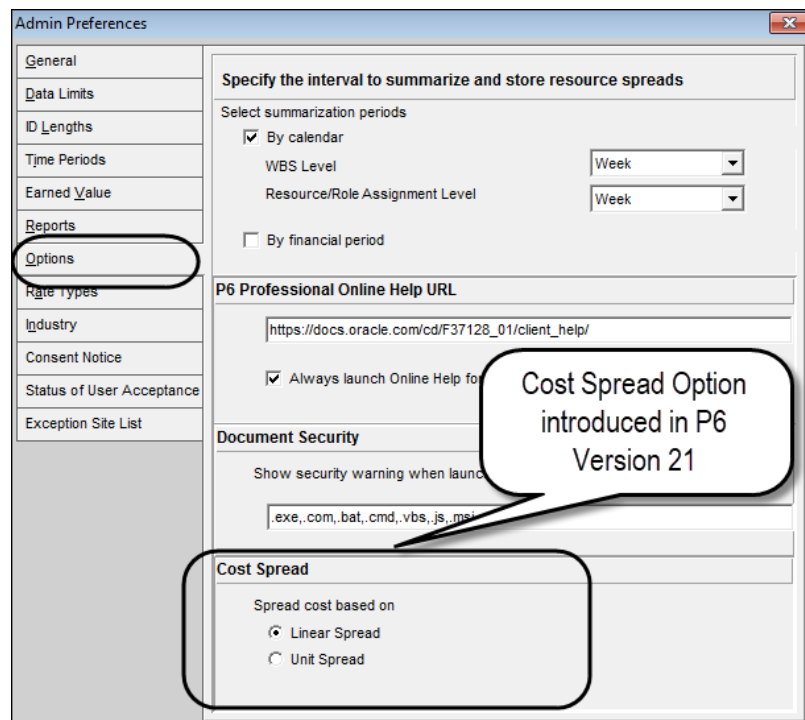
The way the resource cash flows were calculated in P6 Version 20 and earlier resulted in the resource cash flow being inaccurate when a resource rate changed during the activity duration. The new P6 Version 21 function now allows the correct cash flow calculation when a resource rate changes during the activity duration.

This function changes how the cash flows for resources and role rates are reflected in the Resource Usage Spreadsheet and Profile, Activity Usage Spreadsheet and Profile, Tracking View, Resource Assignments window, and Activity Usage Spreadsheets and Profiles, Publishing and Reports.

2 Switching on the New Enhancement

When Oracle introduces new functions, the software will normally calculate in the same way as earlier versions and new functions have to be turned on before the new function operates. It is no different with this enhancement and you will need to turn on the option to see the change in resource cash flow calculation.

The **Admin Preferences, Options** has introduced a **Cost Spread** option. To switch on the new function, you have to select the **Units Spread** option:



3 P6 Version 20 and Earlier Resource Cash Flow Calculation

In earlier versions when a resource rate changed during the duration of an activity then P6 took an average rate for the resource over the activity duration which gave an incorrect cashflow.

- In the example below I have created a resource that doubled its unit rate from \$20.00 per hour to \$40.00 per hour after the first week:

Resource ID	Resource Name	Resource Type
CS	Cost Spread	Labor
General Codes Details Units & Prices Roles Notes User Defined Fields		
Shift Calendar:		Shift: 1
Effective Date	Max Units / Time	Standard Rate
01-Jan-22	8/d	\$20/h
17-Jan-22	8/d	\$40/h

- With **Linear Spread** option, which is how older versions calculated, an average rate of \$30.00 per hour is used, which is \$240.00 per day:

Activity ID	Original Duration	03	Jan 10							Jan 17						
		tr	Fri	Sat	Sun	Mon	Tue	Wed	Thr	Fri	Sat	Sun	Mon	Tue	Wed	Thr
Cost Spreads																
A1000	10															
Display: Curr... Display: Acti... Display: Open Projects Only																
Resource ID	Activity ID	At Completion Cost	Sun	Mon	Tue	Wed	Thr	Fri	Sat	Sun	Mon	Tue	Wed	Thr	Fri	Sat
CS	Cost S			\$240	\$240	\$240	\$240	\$240			\$240	\$240	\$240	\$240	\$240	
	A1000	1		\$240	\$240	\$240	\$240	\$240			\$240	\$240	\$240	\$240	\$240	

4 P6 Version 21 Resource Cash Flow Calculation

With **Unit Spread** option the cash flow is calculated correctly:

Activity ID	Original Duration	03	Jan 10							Jan 17						
		tr	Fri	Sat	Sun	Mon	Tue	Wed	Thr	Fri	Sat	Sun	Mon	Tue	Wed	Thr
Cost Spreads																
A1000	10															
Display: Curr... Display: Acti... Display: Open Projects Only																
Resource ID	Activity ID	At Completion Cost	Sun	Mon	Tue	Wed	Thr	Fri	Sat	Sun	Mon	Tue	Wed	Thr	Fri	Sat
CS	Cost S			\$160	\$160	\$160	\$160	\$160			\$320	\$320	\$320	\$320	\$320	
	A1000	1		\$160	\$160	\$160	\$160	\$160			\$320	\$320	\$320	\$320	\$320	

5 Conclusion

This is a good enhancement and should be used if you have changing resource rates and you require a more accurate cash flow.

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