

Visual Jobs Scheduler (VJS)

API REFERENCE GUIDE

Version: **1. 23** | as of 3 July 2024

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Functions

CalculateJobPlanningLineEndDate

With this function, you can calculate the end date of a job planning line.

procedure CalculateJobPlanningLineEndDate(pClientGuid: [Guid](#); pPlanningDate: [Date](#); pQuantityBase: [Decimal](#); pResourceNo: [Code\[20\]](#)) EndDate: [Date](#)

	Data type	Description
Parameter:		
pClientGuid	Guid	This value is used for the global identification of VJS control add-in on a page.
pPlanningDate	Date	Planning date used for the calculation.
pQuantityBase	Decimal	Quantity in the Base Unit of Measure for the chosen resource.
pResourceNo	Code[20]	The resource number to use in the calculation.
EndDate	Date	Calculated end date of job planning line.

PresetFilters

This function is available on the “**NETVJS MainPage**” and can be used to call the VJS with a predefined data filter from an external BC page. Starting the VJS this way will not show the startup filter dialog.

procedure presetFilters(var pJobRecord: [Record Job](#); var pJobTaskRecord: [Record "Job Task"](#); var pResourceGroup: [Record "Resource Group"](#); var pResource: [Record Resource](#))

	Data type	Description
pJobRecord	Record Job	All filters used on this record will be used as a data filter
pJobTaskRecord	Record "Job Task"	All filters used on this record will be used as a data filter
pResourceGroup	Record "Resource Group"	All filters used on this record will be used as a data filter
pResource	Record Resource	All filters used on this record will be used as a data filter

PresetViewFilters

This function is available on the “**NETVJS MainPage**” and can be used to call the VJS with a predefined view filter from an external BC page. Starting the VJS this way will not show the startup filter dialog.

[procedure](#) presetViewFilters(var pJobRecord: [Record Job](#); var pJobTaskRecord: [Record "Job Task"](#); var pResourceGroup: [Record "Resource Group"](#); var pResource: [Record Resource](#))

	Data type	Description
pJobRecord	Record Job	All filters used on this record will be used as a view filter
pJobTaskRecord	Record "Job Task"	All filters used on this record will be used as a view filter
pResourceGroup	Record "Resource Group"	All filters used on this record will be used as a view filter
pResource	Record Resource	All filters used on this record will be used as a view filter

SetJobPlanningLineBaseline

This function can be used to display the original temporal extension of job planning lines in comparison to their current state by a thin strip below the actual bar.

[procedure](#) SetJobPlanningLineBaseline(pClientGuid: [Guid](#); pJobPlanningLinePosition: [Text](#); pStartDate: [Date](#); pEndDate: [Date](#))

	Data type	Description
Parameter: pClientGuid	Guid	This value is used for the global identification of VJS control add-in on a page.
pJobPlanningLinePosition	Text	Position of the job planning line to modify.
pStartDate	Date	Baseline Start of the Job Planning Line.
pEndDate	Date	Baseline End of the Job Planning Line

Events

OnAfterJobPlanningLineLoaded

This event occurs after a job planning line was loaded.

[IntegrationEvent(/*IncludeSender*/false, /*GlobalVarAccess*/false)]

procedure OnAfterJobPlanningLineLoaded(pClientGuid: [Guid](#); pJobPlanningLinePosition: [Text](#); var pHandled: [Boolean](#))

	Data type	Description
Parameter: pClientGuid	Guid	This value is used for the global identification of VJS control add-in on a page.
var pJobPlanningLinePosition	Text	Position of the job planning line that was loaded.
var pHandled	Boolean	The event will be handled if it returns true

OnBeforeSaveJobPlanningLine

This event occurs before the changes on a job planning line carried out in the VJS get saved to 365 BC.

[IntegrationEvent(/*IncludeSender*/false, /*GlobalVarAccess*/false)]

procedure OnBeforeSaveJobPlanningLine(pClientGuid: [Guid](#); pJobPlanningLinePosition: [Text](#); var pSkip: [Boolean](#); var pHandled: [Boolean](#))

	Data type	Description
Parameter: pClientGuid	Guid	This value is used for the global identification of VJS control add-in on a page.
var pJobPlanningLinePosition	Text	The position of the job planning line to be saved.
var pSkip	Boolean	Determines whether the record will be skipped or not.
var pHandled	Boolean	The event will be handled if it returns true

OnBeforeTransfer events

These events can be used to modify Business Central data before transferring them into our simulation data. Not only simple modifications are possible, but also complex ones such as the application of flowFields/Flowfilters and thus execution of self-created or already existing formulas. The changes will **not be saved** in the Business Central data.

The events in detail:

OnBeforeTransferJob

This event occurs on loading/reloading a job.

[IntegrationEvent(*/*IncludeSender*/false, /*GlobalVarAccess*/false*)]

procedure OnBeforeTransferJob(pClientGuid: [Guid](#); var pJobRecord: [Record](#) "Job"; var pHandled: [Boolean](#))

	Data type	Description
Parameter: pClientGuid	Guid	This value is used for the global identification of VJS control add-in on a page.
var pJobRecord	Record	The job record to be loaded.
var pHandled	Boolean	The event will be handled if it returns true

OnBeforeTransferJobTask

This event occurs on loading/reloading a job task.

[IntegrationEvent(*/*IncludeSender*/false, /*GlobalVarAccess*/false*)]

procedure OnBeforeTransferJobTask(pClientGuid: [Guid](#); var pJobTaskRecord: [Record](#) "Job Task"; var pHandled: [Boolean](#))

	Data type	Description
Parameter: pClientGuid	Guid	This value is used for the global identification of VJS control add-in on a page.
var pJobTaskRecord	Record	The job task record to be loaded.
var pHandled	Boolean	The event will be handled if it returns true

OnBeforeTransferJobPlanningLine

This event occurs loading/reloading a job planning line.

[IntegrationEvent(*/*IncludeSender*/false, /*GlobalVarAccess*/false*)]

procedure OnBeforeTransferJobPlanningLine(pClientGuid: [Guid](#); pJobPlanningLineRecord: [Record](#) "Job Planning Line"; var pHandled: [Boolean](#))

	Data type	Description
Parameter: pClientGuid	Guid	This value is used for the global identification of VJS control add-in on a page.
var pJobPlanningLineRecord	Record	The job planning line record to be loaded.
var pHandled	Boolean	The event will be handled if it returns true

OnBeforeTransferResourceGroup

This event occurs on loading/reloading a resource group.

[IntegrationEvent(*/*IncludeSender*/*false, */*GlobalVarAccess*/*false)]

procedure OnBeforeTransferResourceGroup(pClientGuid: [Guid](#); var pResourceGroupRecord: [Record](#) "Resource Group"; var pHandled: [Boolean](#))

	Data type	Description
Parameter: pClientGuid	Guid	This value is used for the global identification of VJS control add-in on a page.
var pResourceGroupRecord	Record	The resource group record to be loaded.
var pHandled	Boolean	The event will be handled if it returns true

OnBeforeTransferResource

This event occurs on loading/reloading a resource.

[IntegrationEvent(*/*IncludeSender*/*false, */*GlobalVarAccess*/*false)]

procedure OnBeforeTransferResource (pClientGuid: [Guid](#); var pResourceRecord: [Record](#) "Resource"; var pHandled: [Boolean](#))

	Data type	Description
Parameter: pClientGuid	Guid	This value is used for the global identification of VJS control add-in on a page.
var pResourceRecord	Record	The resource record to be loaded.
var pHandled	Boolean	The event will be handled if it returns true