



Visual Advanced Production Scheduler (VAPS)

API REFERENCE GUIDE

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Events

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:

OnBeforeTransferMachineCenter

This event occurs on loading a machine center

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

procedure OnBeforeTransferMachineCenter(**var** pMachineCenterRecord: **Record** "Machine Center"; **var** pHandled: **Boolean**)

	Data type	Description
var pMachineCenterRecord	Record	The machine center to be loaded.
var pHandled	Boolean	The event will be handled if it returns true

OnBeforeTransferProdOrder

This event occurs on loading a production order.

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

procedure OnBeforeTransferProdOrder(**var** pProdOrderRecord: **Record** "Production Order"; **var** pHandled: **Boolean**)

	Data type	Description
var pProdOrderRecord	Record	The production order to be loaded.
var pHandled	Boolean	The event will be handled if it returns true

OnBeforeTransferProdOrderLine

This event occurs on loading a production order line.

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

procedure OnBeforeTransferProdOrderLine(**var** pProdOrderLineRecord: **Record** "Prod. Order Line"; **var** pHandled: **Boolean**)

	Data type	Description
var pProdOrderLineRecord	Record	The production order line to be loaded.
var pHandled	Boolean	The event will be handled if it returns true

OnBeforeTransferProdOrderRoutingLine

This event occurs on loading a production order routing line.

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

procedure OnBeforeTransferProdOrderRoutingLine(var pProdOrderRoutingLineRecord: Record "Prod. Order Routing Line"; var pHandled: Boolean)

	Data type	Description
var pProdOrderRoutingLineRecord	Record	The production order routing line to be loaded.
var pHandled	Boolean	The event will be handled if it returns true

OnBeforeTransferWorkCenter

This event occurs on loading a work center.

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

procedure OnBeforeTransferWorkCenter(var pWorkCenterRecord: Record "Work Center"; var pHandled: Boolean)

	Data type	Description
var pWorkCenterRecord	Record	The work center to be loaded.
var pHandled	Boolean	The event will be handled if it returns true

OnBeforeTransferWorkCenterGroup

This event occurs on loading a work center group.

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

procedure OnBeforeTransferWorkCenterGroup(var pWorkCenterGroupRecord: Record "Work Center Group"; var pHandled: Boolean)

	Data type	Description
var pWorkCenterGroupRecord	Record	The work center group to be loaded.
var pHandled	Boolean	The event will be handled if it returns true

OnPostPublishSimulation()

This event occurs after a simulation got published.

Example:

```
[EventSubscriber(ObjectType::Codeunit, Codeunit::"NETVAPS IntegrationMgmt",
'OnPostPublishSimulation', "", false, false)]
local procedure handleOnPostPublishSimulation()
begin
//code to handle event
end;
```

On ProvideCustomReservationsForProdOrderLine

This event occurs on creating and updating a simulation.

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

procedure On ProvideCustomReservationsForProdOrderLine (**var** pSourceProdOrderLinePosition: **Text**; **var** pDestinationProdOrderLinesPositions: List of [Text]; **var** pHandled: **Boolean**)

	Data type	Description
var pSourceProdOrderLinePosition	Text	The production order line that is processed in the load and update process, in form of its position
var pDestinationProdOrderLinesPositions	List of [Text]	A list of the target production order lines that get linked to the source
var pHandled	Boolean	The event will be handled if it returns true

On ProvideProdOrderRoutingLineEditability

This event occurs on starting and updating a simulation.

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

procedure OnProvideProdOrderRoutingLineEditability (pClientGuid: Guid; pProdOrderRoutingLinePosition: Text; **var** pEditable: Boolean; **var** pHandled: Boolean)

	Data type	Description
pProdOrderRoutingLinePosition	Text	The production order routing line to be set to "not editable"
var pEditable	Boolean	The production order routing line will be set to "not editable" if it returns "false".
var pHandled	Boolean	The event will be handled if it returns "true".

Example:

All operations of work center 400 get "protected".

```
[EventSubscriber(ObjectType::Codeunit, Codeunit::"NETVAPS IntegrationMgmt",
'OnProvideProdOrderRoutingLineEditability', '', false, false)]

local procedure handleOnProvideProdOrderRoutingLineEditability(pClientGuid: Guid;
pProdOrderRoutingLinePosition: Text; var pEditable: Boolean; var pHandled: Boolean)
var
    _porlRecord: Record "Prod. Order Routing Line";
    _count: Integer;
begin
    _porlRecord.SetRange("Work Center No.", '400');
    _porlRecord.SetPosition(pProdOrderRoutingLinePosition);
    if _porlRecord.Find('=') then begin
        pEditable := false;
        pHandled := true;
    end;
end;
```