Filtering the contents of an event

You can edit the code for the **Filter** flow action to split the contents of a particular event into two groups.
For example, on page approval you may want to proof large pages one way and the rest of the pages another way. You can use the **Filter** flow action to perform this kind of split.

By default, the user interface creates two blocks of code: one that contains the `True/False` conditions for the filter, and another that checks the condition for each item of interest and adds it to the `Accepted` list or the `Rejected` list.

```
' ========================================================
' The ConfigureAction function implements a filter.
' It is called with the event which triggered the rule and the action.
' ==========================================================
Public Sub ConfigureAction( _
ByVal triggerEvent As Creo.PWS.Automation.PrinergyDataModel.SurfaceFullEvent, _
ByVal action As Creo.PWS.Automation.GenericDataModel.FilterAction)

'Create a counter variable and initialize to the value 0
Dim idx0 As Integer = 0

'Next we create a loop that will go through all the input files (until
'the counter reaches the end of the list)
Do While (idx0 &lt; triggerEvent.Surfaces.Length)

Dim idx1 As Integer = 0

Do While (idx1 &lt; triggerEvent.Surfaces(idx0).Separations.Length)

'Check to see if this item is Accepted or Rejected
If Me.IsAccepted(triggerEvent.Surfaces(idx0).Separations(idx1)) Then

'This is how we add an item to the Accepted list for the filter
action.AddAcceptedItem(triggerEvent.Surfaces(idx0).Separations(idx1))

Else

'This is how we add an item to the Rejected list for the filter
action.AddRejectedItem(triggerEvent.Surfaces(idx0).Separations(idx1))

End If

idx1 = (idx1 + 1)
Loop
```

```
idx0 = (idx0 + 1)
Loop

End Sub



' ==============================================================
' The condition functions test each item selected by the filter.
' If it returns true the item will be added to a list of items accepted by the
filter.
' If it returns false the item will be added to a list of items rejected by the
filter.
' ==============================================================
Private Function Condition1( _
ByVal item As Creo.PWS.Automation.PrinergyDataModel.PageApprovalChangedEvent) _
As Boolean

Return (item.NewApprovalState = _
Creo.PWS.Automation.PrinergyDataModelTypes.ApprovalState.Approved)

End Function

Private Function Condition1( _
ByVal candidate As Creo.PWS.Automation.PrinergyDataModel.Separation) As Boolean
'We return a TRUE if this item is accepted by the filter, a FALSE value if not
Return candidate.Color.IsProcessYellow

End Function
```