

# What is runtime-event (runtime-event)

Event is a pair (when to do, what to do).

“When do do” this is a event of BusCom, Applet or Application.

There is no possibility to define “When do do” periodically (Policies and jobs allow you to run workflows periodically).

Name	Sequence	Object Type	Object Name	Event	Subevent	Conditional Expression	Action Set Name
>	-1	Applet	LOY Member Enrollment Detail Applet - Account (eApps)	InvokeMethod	SubmitEnroll		Workflow_OV-IEIX1A
	-1	Application	LOY Member Enrollment Detail Applet (eApps)	DisplayApplet	SubmitEnroll		Workflow_OV-IEIX1D
	-1	Applet	LOY Member Enrollment Detail Applet - Household (eApps)	InvokeMethod	SubmitEnroll		Workflow_OV-IEIX1G
	-1	BusComp	LOY Member Enrollment	PreInvokeMethod		Account.Id	Workflow_OV-IEIX1J

Events for bc:			
PreNewRecord	NewRecord		
PreWriteRecord	WriteRecord	WriteRecordNew	WriteRecordUpdated
PreCopyRecord	CopyRecord		
PreDeleteRecord	DeleteRecord		
	ChangeRecord		
PreAssociate	Associate		
PreInvokeMethod	InvokeMethod		
PreGetFieldValue			
PreQuery	Query		
PreSetFieldValue	SetFieldValue		

“what to do” is a call of business Service (or many business Services or methods):

Name	Start Date	End Date	Active	Enable Export	Description
> OVF-3CIH			✓	✓	

Name	Action Type	Sequence	Active	Start Date	End Date	Description
> Workflow_OV-15G29P_OV-15G2K1	BusService	1	✓			

**More Info**

Name: \* Workflow\_OV-15G29P\_

Sequence: \* 1

Active: \*

Start Date: [Calendar]

End Date: [Calendar]

Action Type: \* BusService

Description: Attribute Set

Conditional Expression: Invoke Method

Profile Attribute: [Text]

Set Operator: [Dropdown]

Value: [Text]

Set Minimum: [Text]

Set Maximum: [Text]

Business Service Name: Workflow Process Mana

Business Service Method: SynchronizeProperty

Business Service Context: "ProcessId", "OV-15G29"

Method Name: [Text]

Method Argument: [Text]

Remember to reload runtime events or restart server after changes

Home Accounts Contacts Opportunities Service Quotes Administration - Product Survey OES Setup Administration - Runtime Events

Action Sets | Event Aliases | Events

Events Menu New Delete Query

Name	Object Type	Object Name	Event	Subevent	Condition
Undo Record [Ctrl+U]	Applet	LOY Member Enrollment Detail Applet	InvokeMethod	SubmitEnroll	
Delete Record [Ctrl+D]	Applet	LOY Member Enrollment Detail Applet	InvokeMethod	SubmitEnroll	
New Record [Ctrl+N]	Applet	LOY Member Enrollment Detail Applet	InvokeMethod	SubmitEnroll	
Copy Record [Ctrl+B]	Applet	LOY Member Enrollment Detail Applet	InvokeMethod	SubmitEnroll	
Save Record [Ctrl+S]	Applet	LOY Member Enrollment Detail Applet	InvokeMethod	SubmitEnroll	
New Query [Alt+Q]	BusComp	LOY Member Enrollment	PreGetFieldValue	Account Id	
Run Query [Alt+ENTER]	BusComp	LOY Member Enrollment	SetFieldValue	Account Id	
Refine Query [Alt+R]	BusComp	LOY Member Enrollment	PreGetFieldValue	Account Name	
About Record [Ctrl+Alt+K]	BusComp	LOY Member Enrollment	SetFieldValue	Account Name	
Record Count [Ctrl+Shift+3]	BusComp	LOY Member Enrollment	PreGetFieldValue	City	
Create Bookmark...	BusComp	LOY Member Enrollment	SetFieldValue	City	
Print Preview...	BusComp	LOY Member Enrollment	PreGetFieldValue	Household Id	
Print...					
Columns Displayed [Ctrl+Shift+K]					
Advanced Sort [Ctrl+Shift+O]					
Import...					
Export...					
Apply List					
Save List					
XML Export...					
XML Import...					
Reload Runtime Events					

You can define trigger event inside workflow. This will cause, that runtime event for workflow will be created automatically.

Properties Workflow Process - A12 Create C... Workflow Process List

WF Step Branch [Start]

Alphabetic | Categorized

Comments

Event	WriteRecordNew
Event Cancel Flag	FALSE
Event Object	Contact
Event Object Type	BusComp
Event Visibility	Enterprise
Inactive	FALSE
Name	Start

Specify the event type, business component, and event to monitor

Select connector

Home Accounts Contacts Opportunities Quotes Administration - Business Process

Workflow Processes | Workflow Deployment | Task Deployment | Workflow Instance Admin | Workflow Instance Monitor

Repository Workflow Processes Menu Query Activate Query Results 1 - 10 of 10+

Name	Version	Business Object	Status	Group	Mode
A12 Create Contact	1	Contact	Completed		Service Flow
AAA WF	0		Completed		Service Flow

Active Workflow Processes Child Items

Name	Version	Repository Versi	Business Object	Group	Deployment Stat	Activation
A12 Create Contact 1	0		Contact		Active	
A12 Create Contact 0	0		Contact		Outdated	

# Runtime event and custom business service

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Action Sets | Event Aliases | Events

Events Menu New Delete Query Query Results

Name	Sequence	Object Type	Object Name	Event	Subevent	Conditional Expression	Action Set Name
>	0	BusComp	Service Request	WriteRecord			myTest

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Action Sets | Event Aliases | Events

Action Sets Menu New Delete Query Query Results

Name	Start Date	End Date	Active	Enable Export	Description
> myTest			✓	✓	

Menu New Delete Query

Name	Action Type	Sequence	Active	Start Date	End Date	Description
> setA	Attribute Set	0	✓			
callBS	BusService	1	✓			"ProcessName", "FINS Claims Set Approver Position", "Reserve Record Row Id", "Expr: [Id]"

More Info

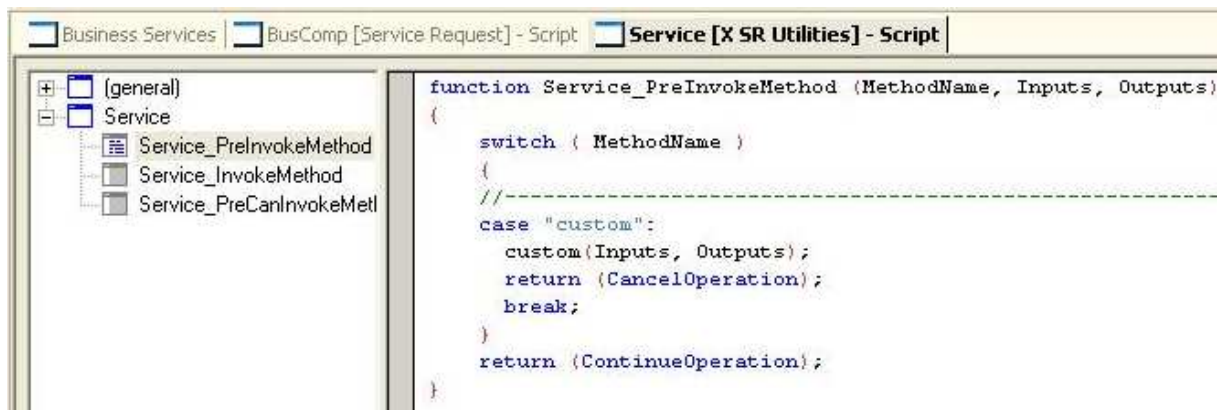
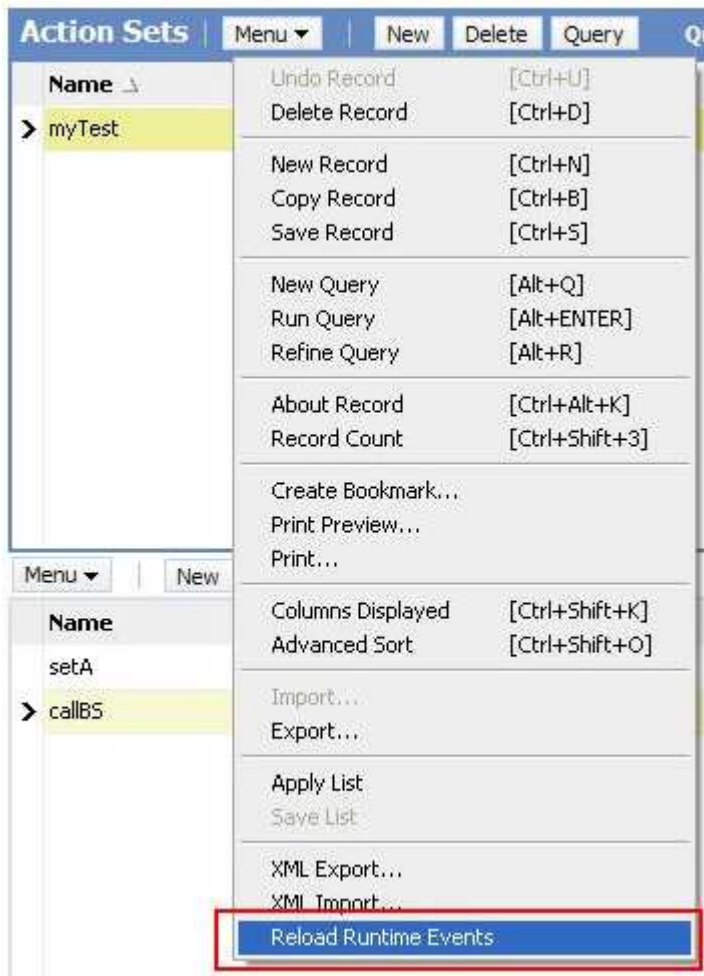
Menu Cancel Query

Name: * setA	Profile Attribute: XRowId	Business Service Name:
Sequence: * 0	Set Operator: Set	Business Service Method:
Active: * ✓	Value: [Id]	Business Service Context:
Start Date:	Set Minimum:	Method Name:
End Date:	Set Maximum:	Method Argument:
Action Type: * Attribute Set		
Description:		
Conditional Expression:		

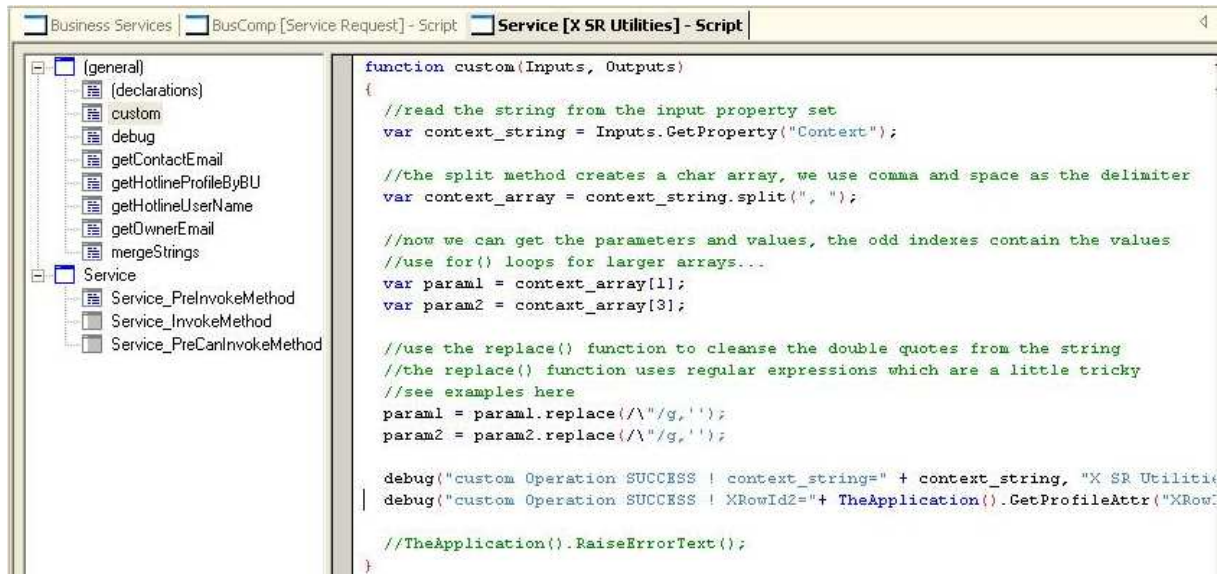
More Info

Menu Cancel Query

Name: * callBS	Profile Attribute:	Business Service Name: X SR Utilities
Sequence: * 1	Set Operator:	Business Service Method: custom
Active: * ✓	Value:	Business Service Context: "ProcessName", "FINS C
Start Date:	Set Minimum:	Method Name:
End Date:	Set Maximum:	Method Argument:
Action Type: * BusService		
Description:		
Conditional Expression:		



```
function Service_PreInvokeMethod (MethodName, Inputs, Outputs)
{
    switch ( MethodName )
    {
        //-----
        case "custom":
            custom(Inputs, Outputs);
            return (CancelOperation);
            break;
    }
    return (ContinueOperation);
}
```



```

function custom(Inputs, Outputs)
{
    //read the string from the input property set
    var context_string = Inputs.GetProperty("Context");

    //the split method creates a char array, we use comma and space as the delimiter
    var context_array = context_string.split(", ");

    //now we can get the parameters and values, the odd indexes contain the values
    //use for() loops for larger arrays...
    var param1 = context_array[1];
    var param2 = context_array[3];

    //use the replace() function to cleanse the double quotes from the string
    //the replace() function uses regular expressions which are a little tricky
    //see examples here
    param1 = param1.replace(/\"/g, "");
    param2 = param2.replace(/\"/g, "");

    debug("custom Operation SUCCESS ! context_string=" + context_string, "X SR Utilities");
    debug("custom Operation SUCCESS ! XRowId2="+ TheApplication().GetProfileAttr("XRowId2") );

    //TheApplication().RaiseErrorText();
}

```

See also

<http://siebel-essentials.blogspot.com/2008/10/runtime-events-and-custom-business.html>

## Open issues

**How to popup message on runtime-event?**

**@Question.** What for is an event alias ?

Alias:

Event Aliases Menu New Delete Query

Name	Object Type	Object Name	Event	Subevent
Service Request - New	BusComp	Service Request	NewRecord	
Service Request - Write	Application	Service Request	Associate	
Service Request - PreDelete	BusComp	Service Request	ChangeRecord	
Service Request Attachment - New	BusComp	Service Request Attachment	CopyRecord	
Service Request Attachment - Write	BusComp	Service Request Attachment	DeleteRecord	
Service Request Attachment - PreDelete	BusComp	Service Request Attachment	InvokeMethod	
Contact - New	BusComp	Contact	NewRecord	