Execute Automic Executable Objects

This Service Task can be used to execute any executable Automic Object. It allows to execute either a single object execution or to schedule a periodically execution definition.

Beside that it is possible to populate Promptset which are attached at the object.

Following limitations need to be considered:

- Populating Promptset values does not work with the option `<Frequency Interval='11'/>`
- The 'WaitForManualRelease' option is also not working with periodically scheduled objects
- Period Objects cannot be used to the fact that the Request Manager still has to support the Automation Engine v10 which does not have Period objects.

Note: Please have one fact in mind, this Service Task does not check the schedule definition for consistency nor checks whether the schedule definition is allowed by the Automation Engine.

Service Task Details

Service Task Type	ExecuteObjectsExtended
Display Name	Execute object once or periodically
Category	Automation Engine
Version	1.11

Input Parameter

Parameter name		Description
objectName	Mandatory	Name of the Automic Object to be executed.
inputPromptValuesJSON	Not Mandatory	List of input Promptset fields using following structure: `'WIN_AGENT#':'WIN01''WIN_LOGIN#':'LOGIN'` Each input parameter has to quoted using single quote char and separate with a colon. Number or other data types has to follow this syntax. There are no exceptions. The number of input fields has to be aligned with number of fields available in Promptset(s).
execOnceDefXML	Not Mandatory	XML structure which allows to schedule the given object for **single** execution. The XML nodes and attributes are described below.
recurringDefXML	Not Mandatory	XML structure which allows to schedule the given object for **recurring** execution. The XML nodes and attributes are described below
waitUntilFinished	Not Mandatory	**true**: Will wait until Automic Object has been finished. It does not with scheduled object executions **false**: (default) does not wait for the execution.

Parameter name		Description
reportType	Not Mandatory	Name of the report type to be returned. The default is the type 'REP'. You find the complete list of all types in the Automic Documentation. Useful only with waitUntilFinished=true.
statusReportFormat	Not Mandatory	This option prints parts of the runtime details in the tracking log of the request. Following details can be displayed. Sum up the values in order to get them displayed. E.g. 31 will display all available details. 0 – None of the runtime details get printed 1 – Job Status 2 – Job activation date and time 4 – Job start date and time 8 – Job end date and time 16 - Job runtime
uc4InstanceName	Mandatory	Name of the Automic Instance. Use the same System Name as it is defined under Connection Management.
uc4ClientId	Mandatory	Automic Client number which includes the Object to be deactivated

Return Values

Parameter name	Type	Description
returnCode	Int	2 – Java Exception occurred 5 – Error message fired by the AE
errorMsg	String	AE Error or Java Exception text
feedbackMsg	String	Success message
getObjectExecutionSucceed	Bool	True -> Successfully returned a report
isActive	Bool	True -> Job with the give RunID is still running
returnCnt	String	Automic report as simple text
returnCntHTML	String	Automic report but the return value is HTML encode
automicStatus	String	Automic Job Status message -> ENDED_OK…
reportType	String	Type of the report which was returned
runID	Int	RunId of the executed object

execOnceDefXML - Execution Definition XML structures

```
<ExecOnce>
	<AtDateTime StartDate='YYYY-MM-DD' StartTime='HH:MM' />
	<WaitForManualRelease>false</WaitForManualRelease>
	<JobAlias>MYALIAS</JobAlias>
	<Queue>QUEUE.DATABASE</Queue>
	<TimeZone>TZ_CET</TimeZone>
</ExecOnce>
```

XML node	M	Description
AtDateTime	*	<- Mandatory XML node/attribute (*)
StartDate	*	Start date of the object execution. Use as date format YYYY-MM-DD (eg. 2017-02-25)
StarteTime	*	Time at that the object should be executed. Use the 24h format. (eg. 13:39)
WaitForManualRelease		Object get executed but the execution stops and waits for manual release.
JobAlias		Alias to be used in the Process Monitor
Queue		Name of QUEUE in which the object get executed
TimeZone		Name of the Timezone object available in the client.

recurringDefXML- Execution Definition XML structures

Note: The purpose of the options are better to understand if you check them with the AWI Execute Recurring dialog.

```
<ExecRecurring>
	<Period StartDate='2017-06-03' EndDate='' NumberExecutions='1'/>

	<WeeklyRecurring Monday='true' Tuesday='false' Wednesday='true'
Thursday='false' Friday='false' Saturday='false' Sunday='false'></WeeklyRecurring>

	<Frequency ExecuteAt='15:01' Interval='11' GapAfterPrevious='5'
BetweenTimeframeFrom='10:12' BetweenTimeframeTo='16:00' AdjustTime='true'/>

	<CalendarCondition CalObjectName='CALE.PROZESS.ENG' KeyName='WORKDAYS'/>

	<AllowOneOverlap>true</AllowOneOverlap>
	<JobAlias>MYALIAS</JobAlias>
	<Queue>QUEUE.DATABASE</Queue>
	<TimeZone>TZ_CET</TimeZone>
</ExecRecurring>
```

XML node	M	Description
Period	*	<- Mandatory XML node/attribute (*)
StartDate	*	Start date of the object execution. Use as date format YYYY-MM-DD (eg. 2017-02-25)
EndDate		Optional date when the executions will end
NumberExecutions		Number of executions before the object scheduling will end

XML node	M	Description
WeeklyRecurring		List of all weekdays with the option to schedule an object execution on that specific day in the week
Frequency	*	At least one of the following attributes has to be specified
ExecuteAt		Time at that the object should be executed. Use the 24h format. (eg. 13:39)
Interval		Interval of the object execution in minutes
GapAfterPrevious		Waiting time in minutes until the next object execution starts
BetweenTimeframeFrom		Begin of the timeframe where the object executions taken place
BetweenTimeframeEnd		End of the timeframe where the object executions taken place
AdjustTime		Adjust initial start to a clock-time interval
CalendarCondition		
CalObjectName		Name of the Calendar Object which specifies the execution condition
KayName		Keyname as it is defined in the given calendar object
AllowOneOverlap		Allow that two of the scheduled jobs overlapping each other or wait until the first object has ended.
JobAlias		Alias to be used in the Process Monitor
Queue		Name of QUEUE in which the object get executed
TimeZone		Name of the Timezone object available in the client.