# DOCUMENT

## General description

This document describes ArchestrA templates developed for the Process Data Management of test project. It does not include ArchestrA Callisto library objects.  
Some templates have been adapted/modified from the ArchestrA Callisto Library, others have been totally developed. These new objects are in conformance with the Callisto methodology.

## User Defined

### User Defined templates

#### Template ArchestrA $Test

##### Description

GalaxyToolkit.DataTransferObjects.GalaxyAttribute

##### Derived from

$AnalogDevice

##### UDA's

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| UDA name | Data Type | IO | I | O | A | H |
| array1 | boolean |  |  |  |  |  |
| array2 | double |  |  |  |  |  |
| array3 | float |  |  |  |  |  |
| array4 | elapsedtime |  |  |  |  |  |
| array5 | string |  |  |  |  |  |
| inter | internationalizedstring |  |  |  |  |  |
| time | time |  |  |  |  |  |

##### Field Attributes

Not Applicable

##### Scripts

testscript

|  |  |
| --- | --- |
| Name | testscript |
| Description |  |
| Trigger | WhileTrue of blabla |

**Declarations :**

declarationtest

**Script :**

executiontest

#### Template ArchestrA $Test\_ext

##### Description

GalaxyToolkit.DataTransferObjects.GalaxyAttribute

##### Derived from

$Test

##### UDA's

Not Applicable

##### Field Attributes

Not Applicable

##### Scripts

Not Applicable

#### Template ArchestrA $UserDefined

##### Description

GalaxyToolkit.DataTransferObjects.GalaxyAttribute

##### Derived from

Not Applicable

##### UDA's

Not Applicable

##### Field Attributes

Not Applicable

##### Scripts

Not Applicable

#### Template ArchestrA $UserDefined\_001

##### Description

GalaxyToolkit.DataTransferObjects.GalaxyAttribute

##### Derived from

$UserDefined

##### UDA's

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| UDA name | Data Type | IO | I | O | A | H |
| testuda | boolean |  | X | X |  |  |
| testudaext | boolean | X |  |  | X | X |

##### Field Attributes

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Field Attribute name | Data Type | IO Scaling | History | Limit Alarms | Rate Of Change Alarms | Target Deviation Alarms | Bad Value Alarm | Statistics |
| Discrete\_001 | boolean |  |  |  |  |  |  |  |
| Discrete\_002 | boolean |  | X |  |  |  | X | X |
| Analog\_001 | integer | X | X | X | X | X | X | X |
| Analog\_002 | integer |  |  |  |  |  |  |  |

##### Scripts

Not Applicable

## Control Modules

### Control Modules templates

#### Template ArchestrA $AnalogDevice

##### Description

GalaxyToolkit.DataTransferObjects.GalaxyAttribute

##### Derived from

Not Applicable

##### UDA's

Not Applicable

##### Field Attributes

Not Applicable

##### Scripts

Not Applicable

## Equipment Modules

### Equipment Modules templates

#### Template ArchestrA $DiscreteDevice

##### Description

GalaxyToolkit.DataTransferObjects.GalaxyAttribute

##### Derived from

Not Applicable

##### UDA's

Not Applicable

##### Field Attributes

Not Applicable

##### Scripts

Not Applicable

## Unit Modules

### Unit Modules templates

#### Template ArchestrA $FieldReference

##### Description

GalaxyToolkit.DataTransferObjects.GalaxyAttribute

##### Derived from

Not Applicable

##### UDA's

Not Applicable

##### Field Attributes

Not Applicable

##### Scripts

Not Applicable

#### Template ArchestrA $FieldReference\_001

##### Description

GalaxyToolkit.DataTransferObjects.GalaxyAttribute

##### Derived from

$FieldReference

##### UDA's

Not Applicable

##### Field Attributes

Not Applicable

##### Scripts

Not Applicable

## Base Function Modules

### Base Function Modules templates

#### Template ArchestrA $Boolean

##### Description

GalaxyToolkit.DataTransferObjects.GalaxyAttribute

##### Derived from

$FieldReference

##### UDA's

Not Applicable

##### Field Attributes

Not Applicable

##### Scripts

Not Applicable

#### Template ArchestrA $Double

##### Description

GalaxyToolkit.DataTransferObjects.GalaxyAttribute

##### Derived from

$FieldReference

##### UDA's

Not Applicable

##### Field Attributes

Not Applicable

##### Scripts

Not Applicable

#### Template ArchestrA $Float

##### Description

GalaxyToolkit.DataTransferObjects.GalaxyAttribute

##### Derived from

$FieldReference

##### UDA's

Not Applicable

##### Field Attributes

Not Applicable

##### Scripts

Not Applicable

#### Template ArchestrA $Integer

##### Description

GalaxyToolkit.DataTransferObjects.GalaxyAttribute

##### Derived from

$FieldReference

##### UDA's

Not Applicable

##### Field Attributes

Not Applicable

##### Scripts

Not Applicable

#### Template ArchestrA $String

##### Description

GalaxyToolkit.DataTransferObjects.GalaxyAttribute

##### Derived from

$FieldReference

##### UDA's

Not Applicable

##### Field Attributes

Not Applicable

##### Scripts

Not Applicable

## MCO Modules

### MCO Modules templates

#### Template ArchestrA $Sequencer

##### Description

GalaxyToolkit.DataTransferObjects.GalaxyAttribute

##### Derived from

Not Applicable

##### UDA's

Not Applicable

##### Field Attributes

Not Applicable

##### Scripts

Not Applicable

#### Template ArchestrA $SQLData

##### Description

GalaxyToolkit.DataTransferObjects.GalaxyAttribute

##### Derived from

Not Applicable

##### UDA's

Not Applicable

##### Field Attributes

Not Applicable

##### Scripts

Not Applicable

## Area

### Area templates

#### Template ArchestrA $Switch

##### Description

GalaxyToolkit.DataTransferObjects.GalaxyAttribute

##### Derived from

Not Applicable

##### UDA's

Not Applicable

##### Field Attributes

Not Applicable

##### Scripts

Not Applicable