

CA Identity Manager – Policy Xpress

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PX Action Rules run as 'SWITCH' statements. Meaning, two Action Rules cannot run simultaneously.

To change its behavior and make it run with 'IF-ELSEIF-ELSE' behavior, following logic can be used:

The screenshot shows the 'Data' tab selected in a navigation menu. Below the menu, a text box states: "Data Elements are used to build conditions and actions." Below this is a table with the following columns: Edit, Name, Category, Type, Function, Order, In Use, and Delete. The table contains five rows of data elements.

Edit	Name	Category	Type	Function	Order	In Use	Delete
	constant_10	Variables	Variable Value	Get		<input checked="" type="checkbox"/>	
	constant_20	Variables	Variable Value	Get		<input checked="" type="checkbox"/>	
	constant_30	Variables	Variable Value	Get		<input checked="" type="checkbox"/>	
	constant_40	Variables	Variable Value	Get		<input type="checkbox"/>	
	flag	General	Constant	Get		<input checked="" type="checkbox"/>	

Below the table is a button labeled "Add Data Element".

The screenshot shows the 'Edit Data Element' form for 'constant_10'. The form has a header "Edit Data Element: constant_10" and a legend "• = Required". The form fields are:

- Name: constant_10
- Category: Variables (dropdown)
- Type: Variable Value (dropdown)
- Function: Get (dropdown)

Below the form is a section titled "Function Description" with the text: "Returns the value of a variable that was previously set in an action rule of another policy (relevant for the current execution time) it returns an empty string." At the bottom, there is a "Variable Name" field with "constant_10" and a dropdown arrow.

Profile Events **Data** Entry Rules Action Rules Advanced

Edit Data Element: flag

- = Required

Name flag

•Category General ▼

•Type Constant ▼

•Function Get ▼

Function Description

Sets a constant to be used for other data elements. Note: Constant data elements are created in only. Constants are not persisted from one policy to the next. If persistence is a logical attribute.

Constant

Profile Events Data **Entry Rules** Action Rules Advanced

Action rules define the conditions and the action to take on a match. Only the action rule with all conditions matched and with the highest priority (lowest number) will run.

Edit	Name	Description	Conditions	Priority	Delete
	print 1		(constant_10 Equals "")	10	
	print 2		(constant_20 Equals "") AND (flag Equals "true")	20	
	print 3		(constant_30 Equals "")	30	
	print 4			40	
	print 5			50	

[Add Action Rule](#)

[Return to Search](#)

Edit Action Rule: print 1

• = Required

•Name

Description

•Priority

Action Rule Conditions

Conditions which should be met in order for the rule to match. The conditions are with an AND operator between them.

Data Element	Operator	Value	Delete
constant_10 ▼	Equals ▼	<input type="text"/>	

Add Actions

Add actions are performed when the rule is matched for the first time, or if the policy is not set to run once.

Edit	Action Name	Category	Type	Function	Order	Delete
	print 1	Messages	Write Log Message	Warning Message		
	constant_10 - false	Variables	Set Variable	String Value		
	Redo	System	Change Policy Flow	Redo the Current Policy		

Edit Action Rule: print 1

Edit Action: constant_10 - false

• = **Required**

- Name
- Category
- Type
- Function

Function Description

Sets a variable that is shared with other policies executed for the same event AND at the CreateUserEvent, the variable will not be available to a policy running after CreateUserEvent element of category Variables in a subsequent policy, using the string sub type.

Variable Name

Value

Profile

Events

Data

Entry Rules

Action Rules

Advanced

Edit Action Rule: print 2

• = Required

•Name

Description

•Priority

Action Rule Conditions

Conditions which should be met in order for the rule to match. The conditions are with an AND operator between them.

Data Element	Operator	Value	Delete
constant_20 ▾	Equals ▾	<input type="text"/>	
flag ▾	Equals ▾	true	

Add Actions

Add actions are performed when the rule is matched for the first time, or if the policy is not set to run once.

Edit	Action Name	Category	Type	Function	Order	Delete
	print	Messages	Write Log Message	Warning Message		
	constant_20 - false	Variables	Set Variable	String Value		
	redo	System	Change Policy Flow	Redo the Current Policy		

Profile Events Data Entry Rules **Action Rules** Advanced

Edit Action Rule: print 4

- = Required

•Name
 Description
 •Priority

Action Rule Conditions

Conditions which should be met in order for the rule to match. The conditions are with an AND operator between them.

Data Element	Operator	Value	Delete
No results.			

Add Actions

Add actions are performed when the rule is matched for the first time, or if the policy is not set to run once.

Edit	Action Name	Category	Type	Function	Order	Delete
	print	Messages	Write Log	Message Warning Message		

Output (Print 2 is skipped):

```
16:34:36,950 WARN [ims.policyxpress.userlog] (http-/0.0.0.0:8080-2) [TASK:VALIDATE_ONCHANGE:ModifyUser] ***** PX 310.50 IVR HDD ***** 1
16:34:37,008 WARN [ims.policyxpress.userlog] (http-/0.0.0.0:8080-2) [TASK:VALIDATE_ONCHANGE:ModifyUser] ***** PX 310.50 IVR HDD ***** 3
16:34:37,051 WARN [ims.policyxpress.userlog] (http-/0.0.0.0:8080-2) [TASK:VALIDATE_ONCHANGE:ModifyUser] ***** PX 310.50 IVR HDD ***** 4
```

16:34:36,950 WARN [ims.policyxpress.userlog] (http-/0.0.0.0:8080-2) [TASK:VALIDATE_ONCHANGE:ModifyUser] ***** PX 310.50 IVR HDD ***** 1

16:34:37,008 WARN [ims.policyxpress.userlog] (http-/0.0.0.0:8080-2) [TASK:VALIDATE_ONCHANGE:ModifyUser] ***** PX 310.50 IVR HDD ***** 3

16:34:37,051 WARN [ims.policyxpress.userlog] (http-/0.0.0.0:8080-2) [TASK:VALIDATE_ONCHANGE:ModifyUser] ***** PX 310.50 IVR HDD ***** 4