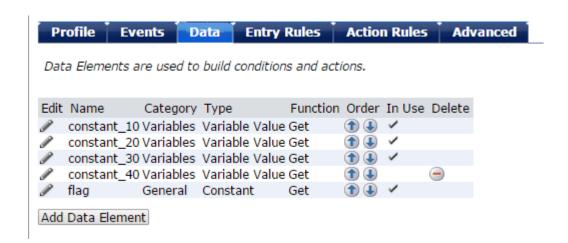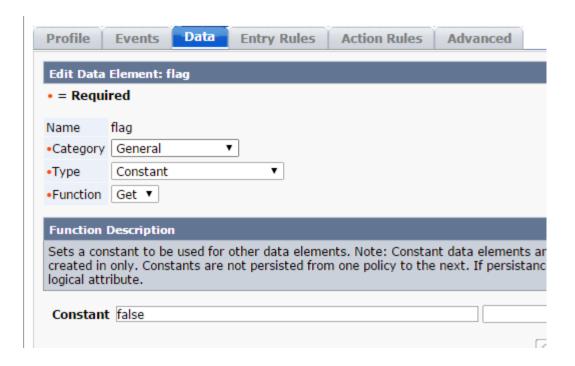# CA Identity Manager – Policy Xpress

Sumeet Mahajan

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:

| 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 ar
created in only. Constants are not persisted from one policy to the next. If persistanc
logical attribute.

Constant [false]

| 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	print 1
Description	
•Priority	10

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 ▼		⊖

Add Condition

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	⬆⬇	⊖

Add Action when Matched

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

Edit Action Rule: print 1

Edit Action: constant_10 - false

• = Required

•Name `constant_10 - false`

•Category `Variables ▼`

•Type `Set Variable ▼`

•Function `String Value ▼`

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 CreateUserEve element of category Variables in a subsequent policy, using the string sub type.

Variable Name `constant_10`

Value `false`

Edit Action Rule: print 2

• = Required

•Name	print 2
Description	
•Priority	20

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 ▼		⊖
flag ▼	Equals ▼	true	⊖

Add Condition

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	⬆⬇	⊖

Add Action when Matched

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

Edit Action Rule: print 4

• = Required

•Name	print 4
Description	
•Priority	40

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 Condition]

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	⬆ ⬇	⊖

[Add Action when Matched]

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

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

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

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