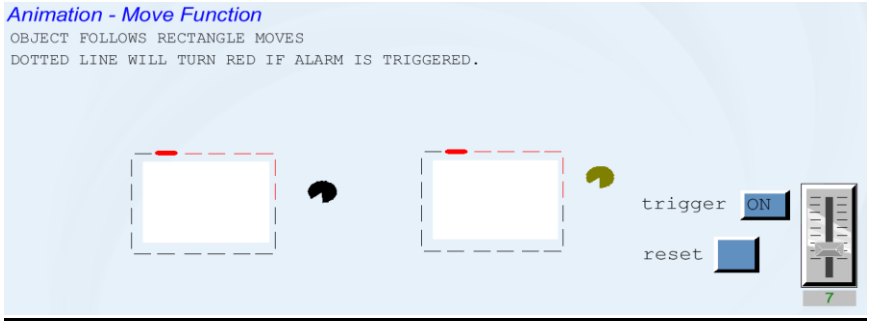
WebAccess AE Technical Share Document

Date	2017 / 10 / 24	**SR#**	
Category	□ FAQ■ SOP	**Related OS**	
Abstract	Instruction of How to Use Animation Move Function		
Keyword	WebAccess, DrawDAQ, Animation, Move		
Related Product			

■ Problem Description:

User will learn how to create an object with move feature. This object will move around a rectangle. Also, when event (tag name is “trigger”) is triggered, the dotted line around the rectangle will turn red color.



■ Brief Solution - Step by Step:

1. Create two constant analog tags and one discrete tag
   - Analog tag name: t20 (for dotted line around the rectangle)
     Span high and display high: 20

Tag Type	Constant (analog)
Tag Name	t20
Description	Description
Scan Type	Constant Scan
Log Data	No
Data Log Dead Band	3 %
Write Action Log	Yes
Read Only	No
Keep Previous Value	No
Initial Value	0
Security area	0
Security level	0
Span high	20
Span low	0
Output High Limit	20
Output Low Limit	0

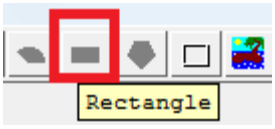
- Analog tag name: digital20 (for changing dotted line color)
  Array: 21 (at least 20, here use 20 because user wants to skip digital20(0) tag)

Tag Type	Constant (discrete)
Tag Name	digital20
Description	Description
Scan Type	Constant Scan
Log Data	No
Data Log Dead Band	3 %
Write Action Log	Yes
Read Only	No
Keep Previous Value	No
Initial Value	0
Security area	0
Security level	0
State 0	0
State 1	1
State 2	NotUsed
State 3	NotUsed
State 4	NotUsed
State 5	NotUsed
State 6	NotUsed
State 7	NotUsed
Log To ODBC	No
Array Size	21

- Discrete tag – trigger (to act as event is triggered)

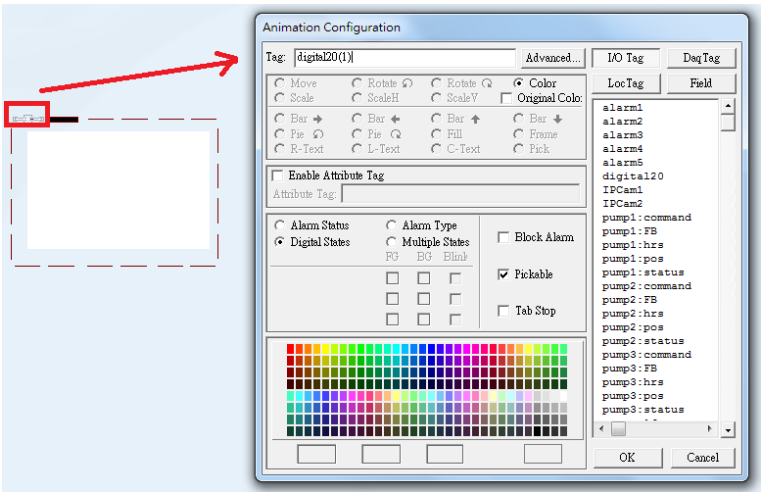
Tag Type	Constant (discrete)
Tag Name	trigger
Description	Description
Scan Type	Constant Scan
Log Data	No
Data Log Dead Band	3 %
Write Action Log	Yes
Read Only	No
Keep Previous Value	No
Initial Value	0
Security area	0
Security level	0
State 0	OFF
State 1	ON

2. Use “rectangle” function to draw a rectangle
   Rectangle function



Rectangle object:

3. Draw 20 dotted line around the rectangle. Assign color animation with each dotted line. The tag names will be started with “digital20(1)” up to “digital20(20)”.



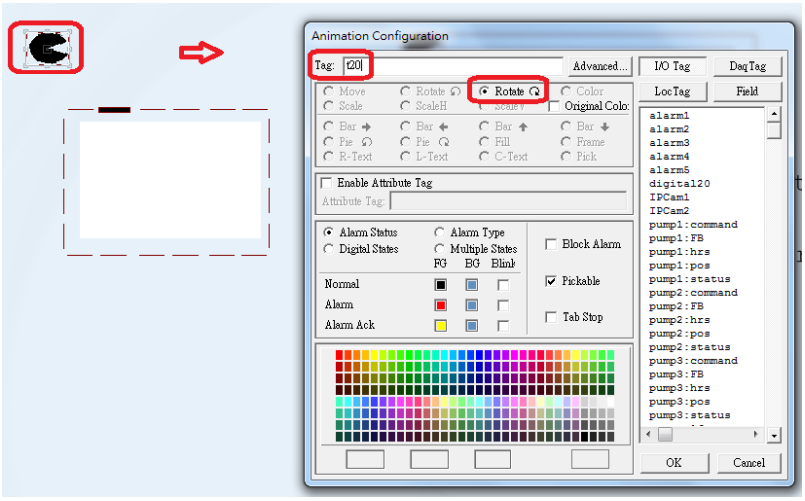
4. Use “Pie” object to create a pie object



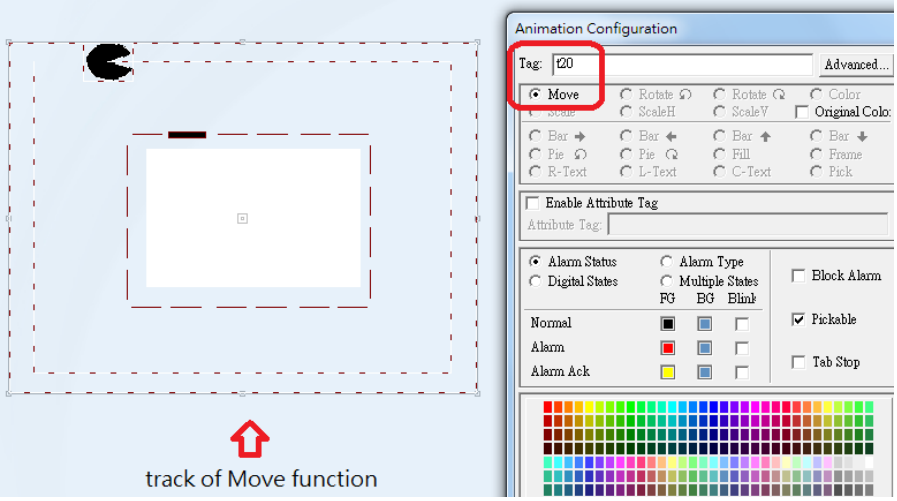
Pie object



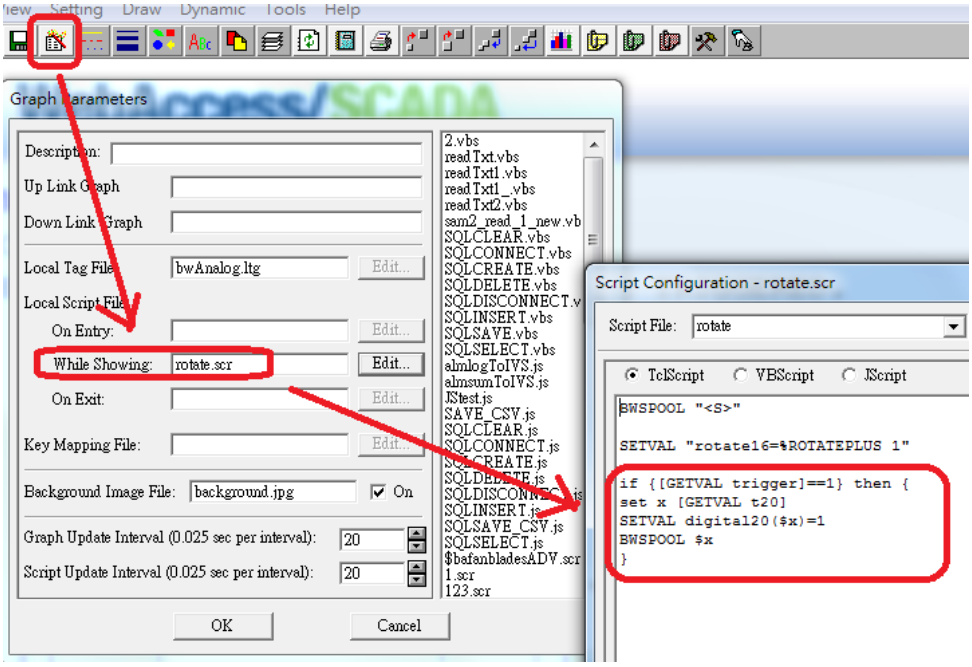
5. Assign “Rotate” animation in pie object so pie will rotate based on tag “t20” value



6. Add second animation function, Move, in circle object
   Make sure start and end points are in the same position.



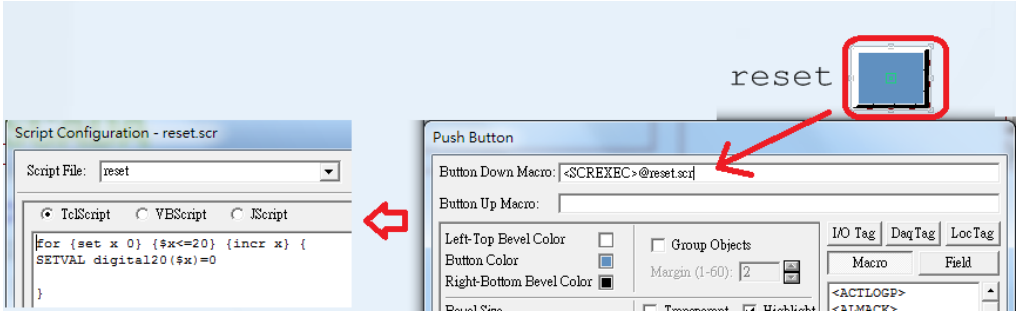
7. Write a TCLScript to control dotted line color.
   When trigger tag value equals to 1, then change digital20(*) value to 1.
   Note: digital20(*) will display different colors based on tag value.



8. TCLscript – rotate.scr

```
if {[GETVAL trigger]==1} then {
set x [GETVAL t20]
SETVAL digital20($x)=1
BWSPOOL $x
}
```

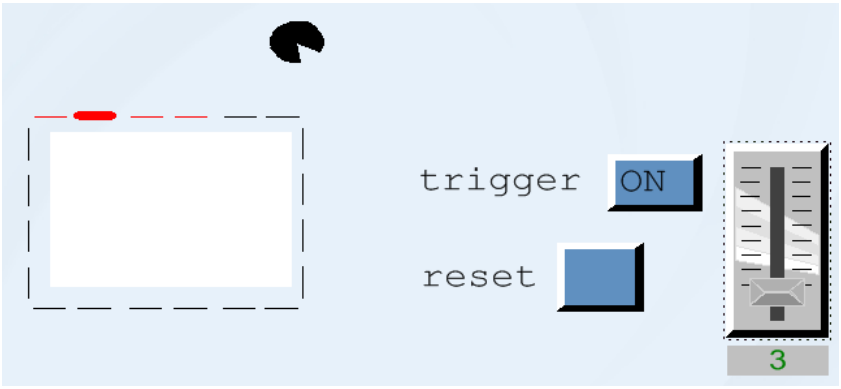
9. Add a reset button to set digitag20 array values back to 0 (it means no event triggers)
   Push Button button down marco: <SCREXEC>@reset.scr



Reset.scr

```
for {set x 0} {$x<=20} {incr x} {
SETVAL digital20($x)=0
}
```

10. Result:
    Note: user may add a slider animation so it will be easier to change t20 tag value. It means easier for the circle object to move around the rectangle.



■ Reference