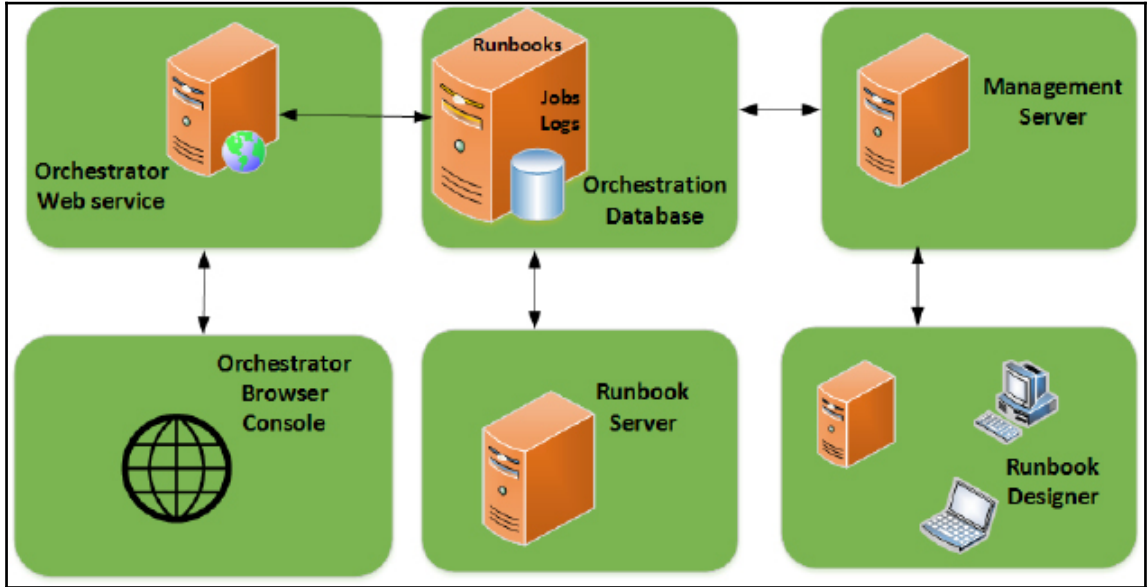
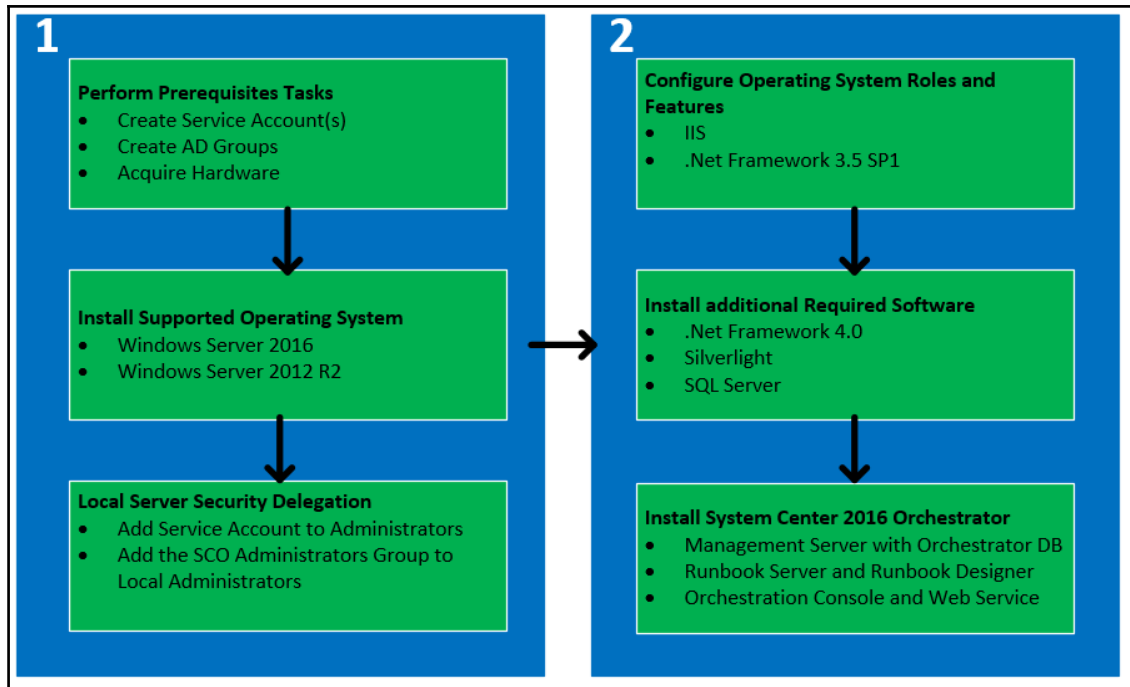
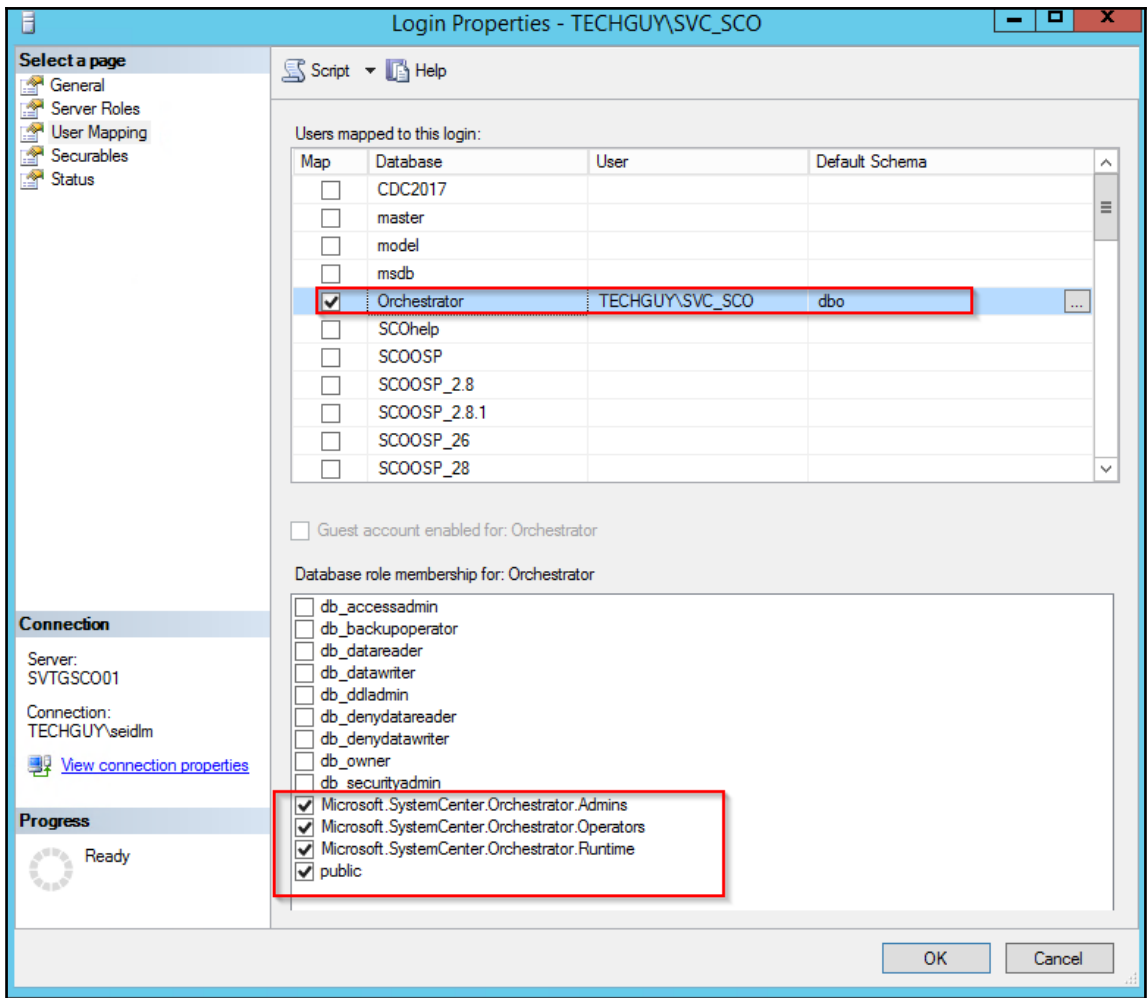
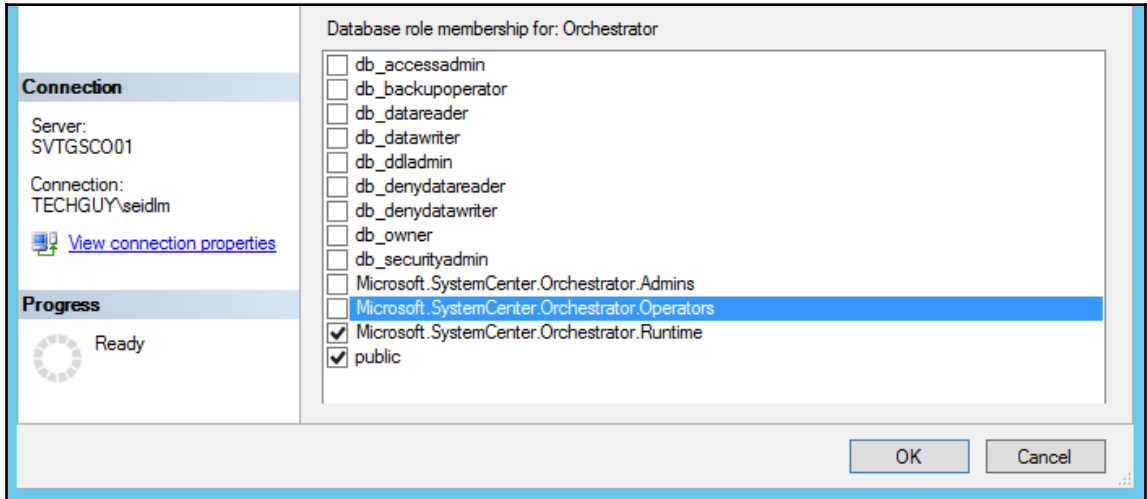
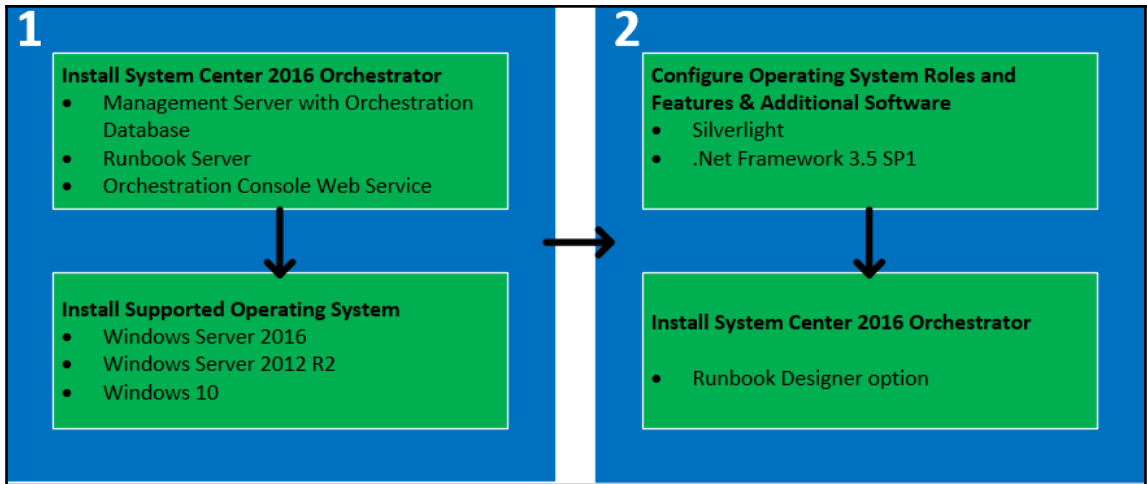


Chapter 1: Unpacking System Center 2016 Orchestrator

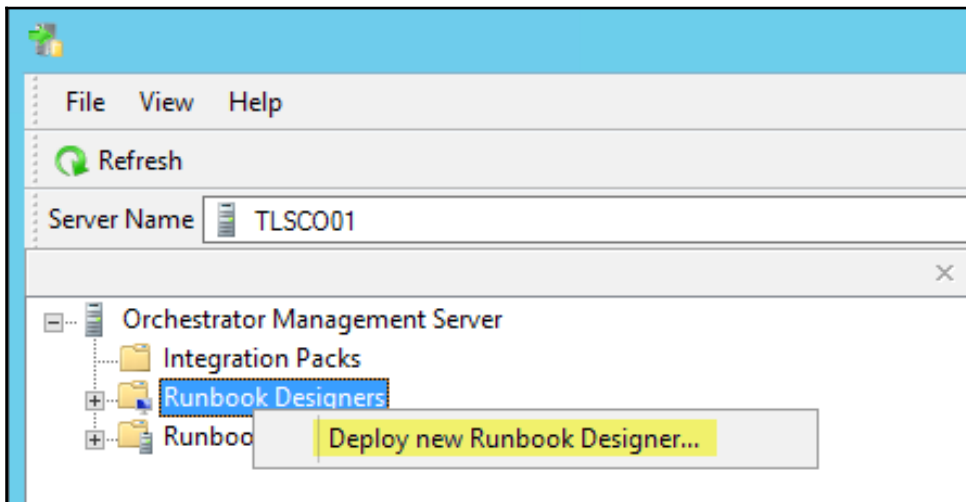
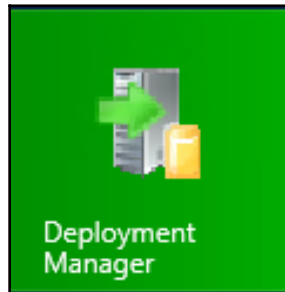


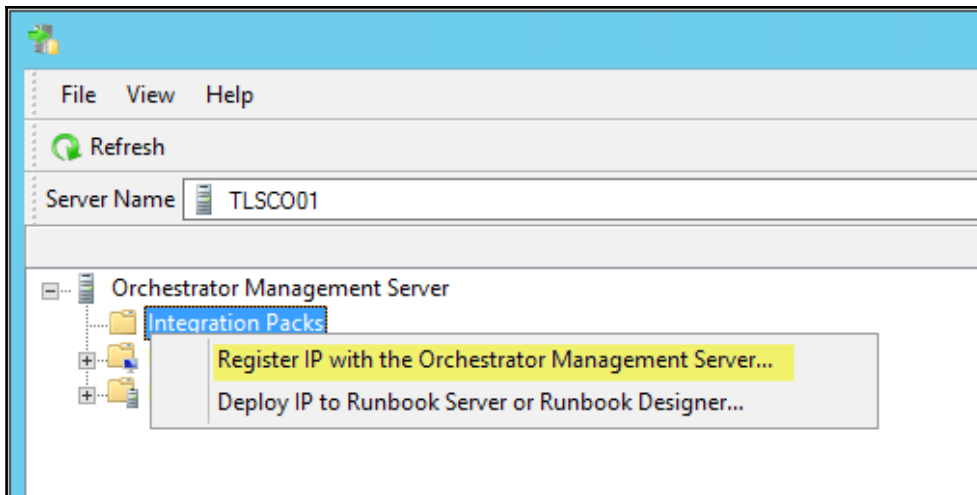
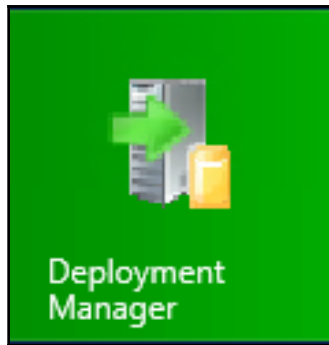


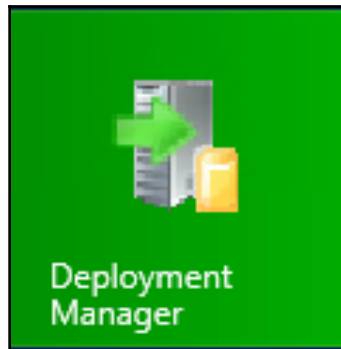
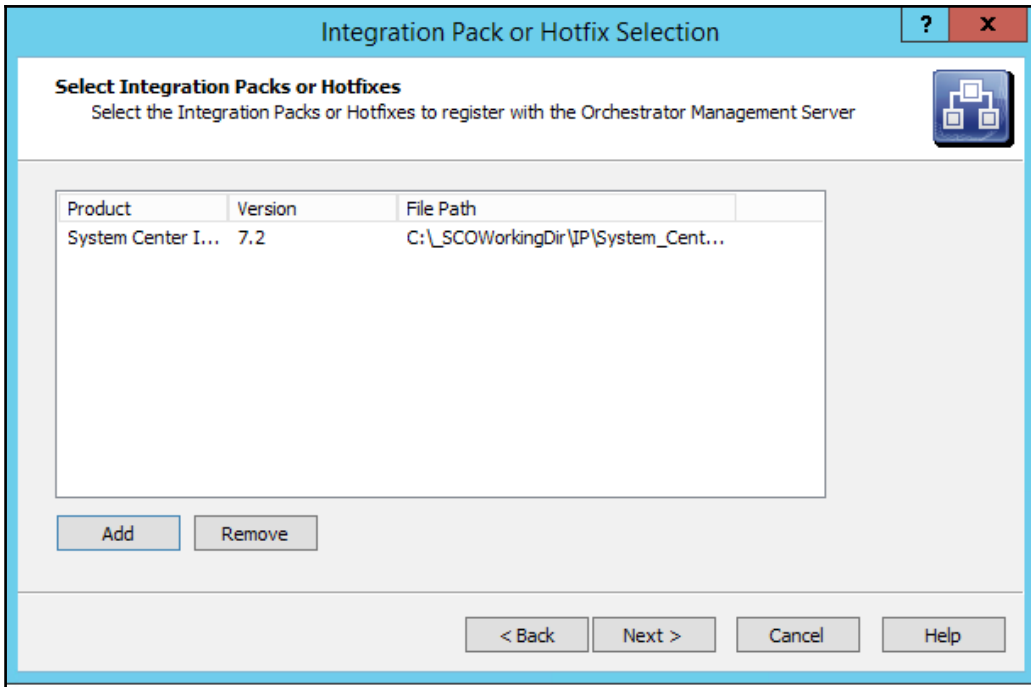


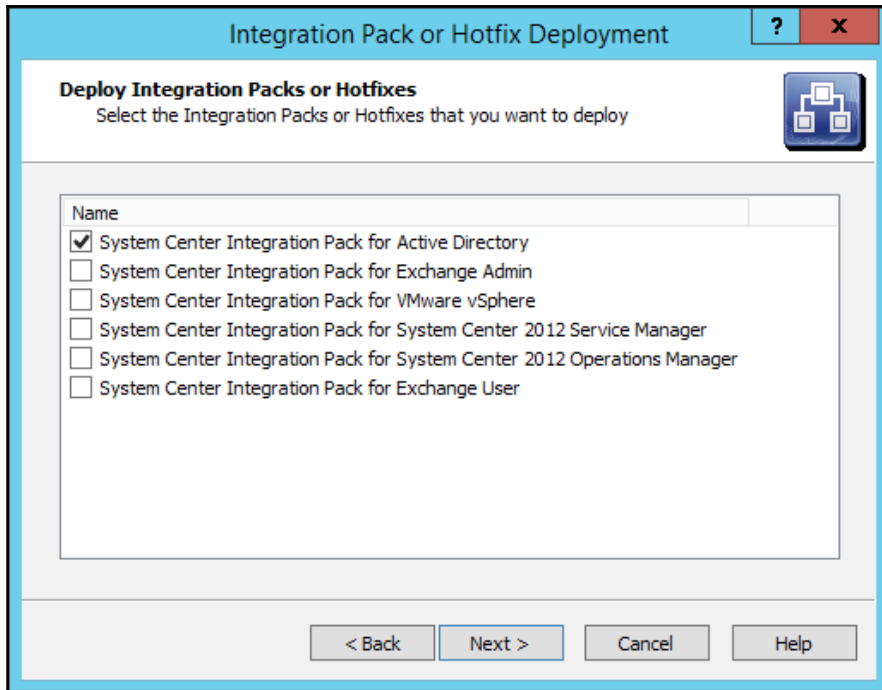


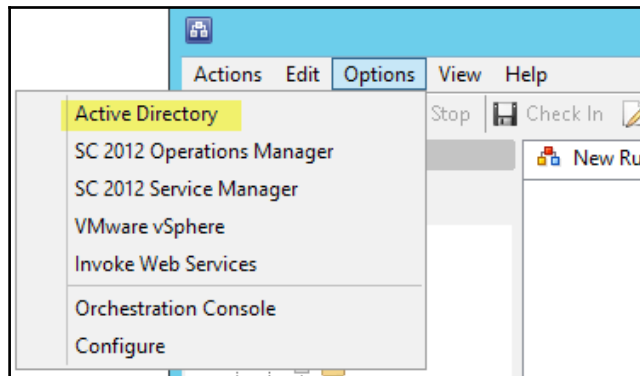
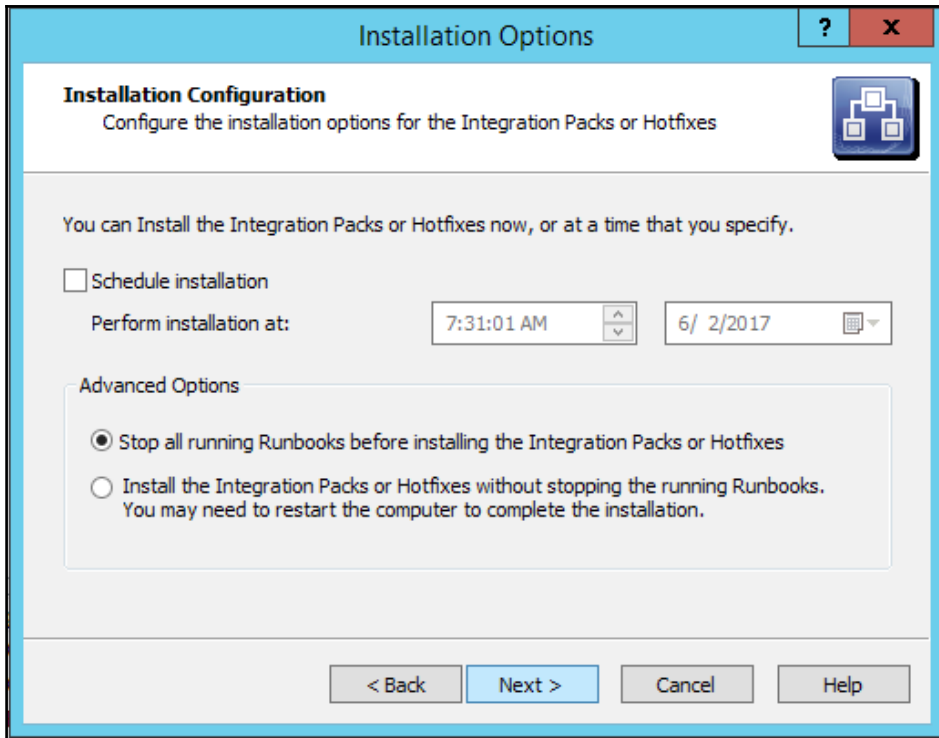
Chapter 2: The Initial Configuration of SCO 2016

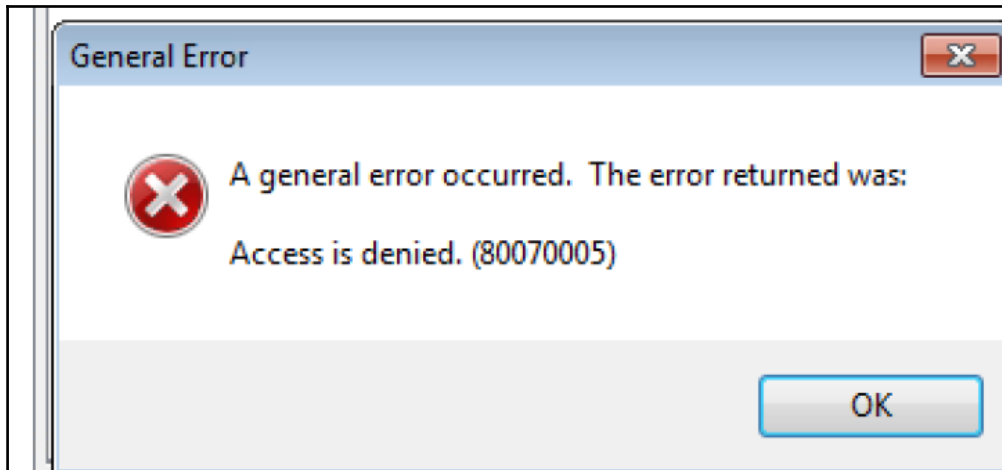
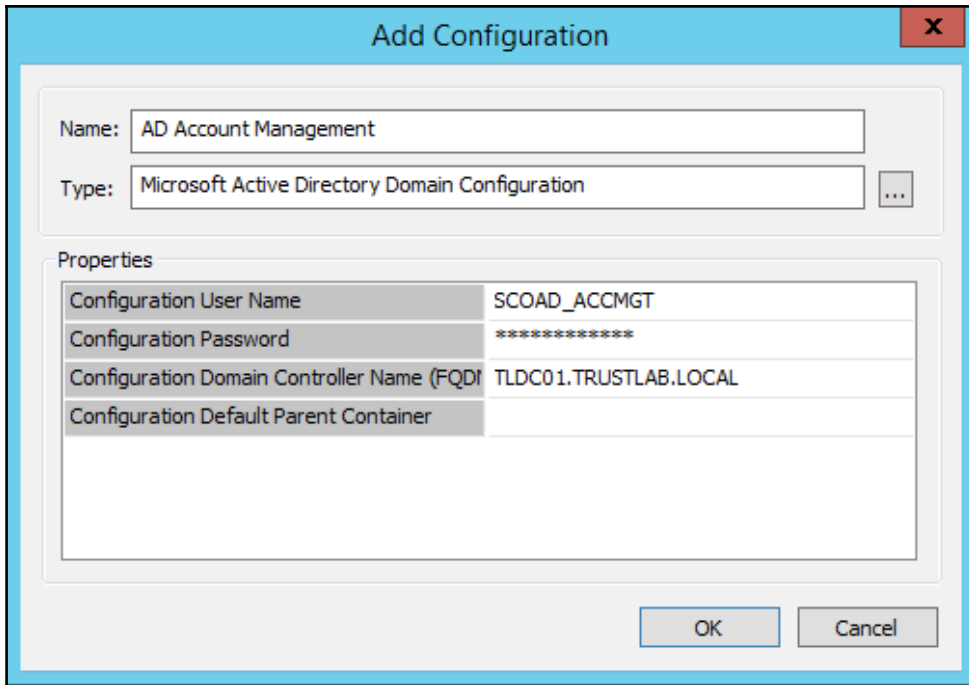




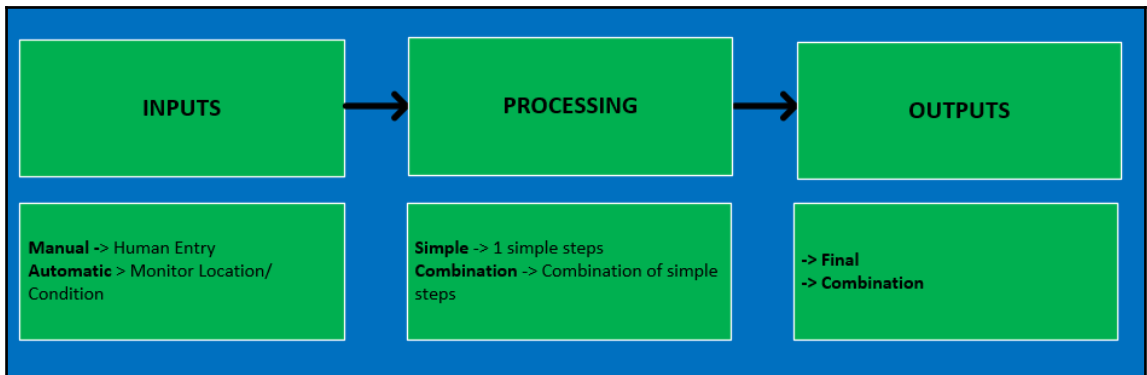
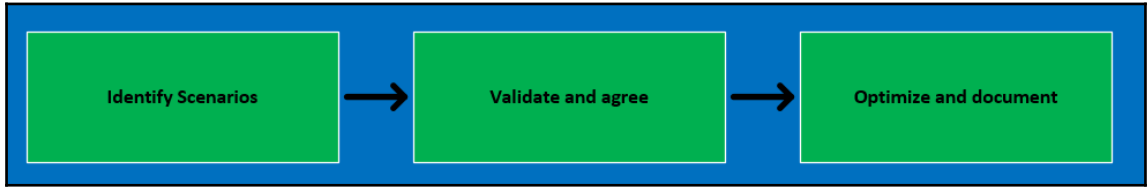


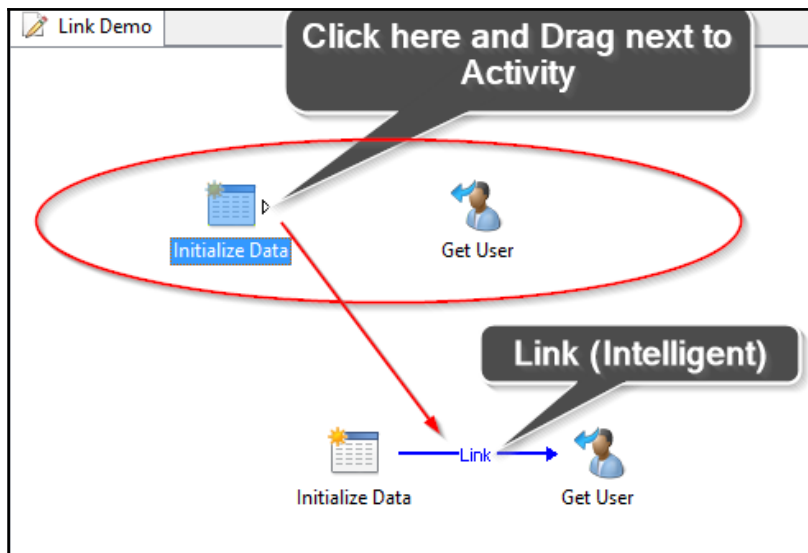
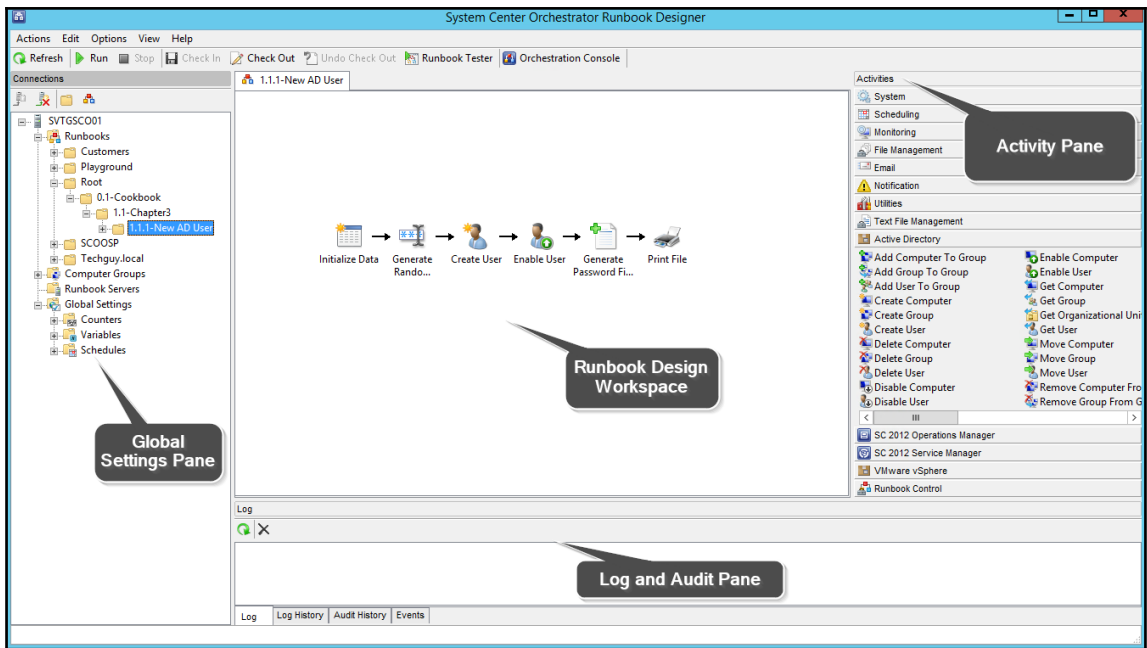


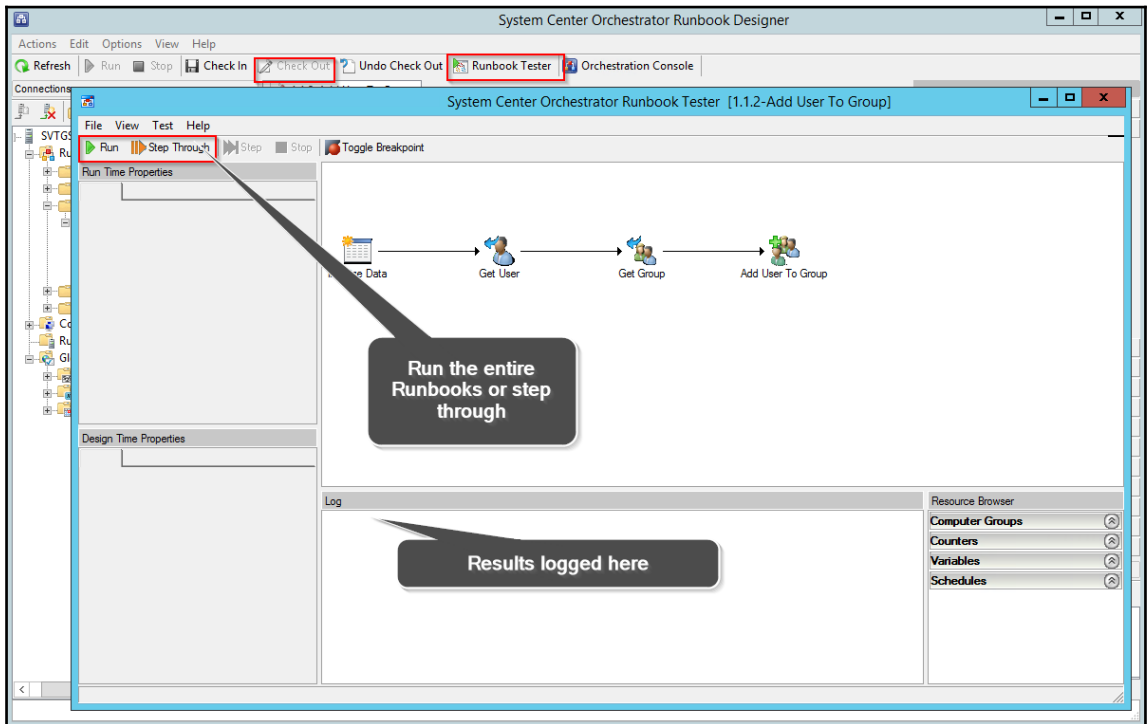
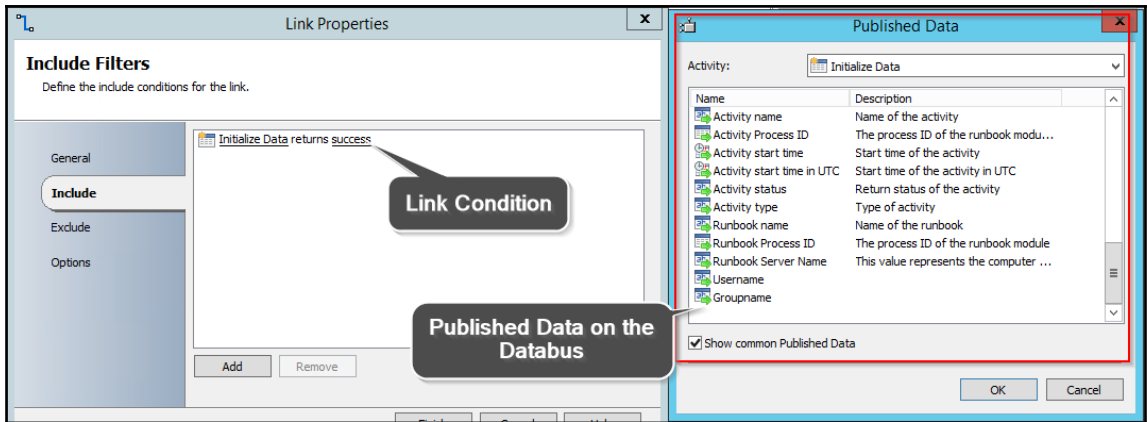




Chapter 3: Planning and Creating Runbooks







System Center 2016
Orchestrator
Welcome, Seidim! [Help](#)

Runbooks

- ▶ \
- ▶ Customers
- ▶ Playground
- ▶ Root
- ▶ SCOOSP
- ▶ Techguy.local
- ▶ New Runbook

Runbooks

Runbook Servers

Events

Details for '\'

Summary Runbooks Jobs Instances [Refresh](#)

Instance Statistics (Historical)	Since 3:00 PM	Last 24 Hours	Last 7 Days
Failed	0	0	0
Warning	0	0	6
Success	0	0	166

Instance Statistics (Current)

In Progress	0	0	35
-------------	---	---	----

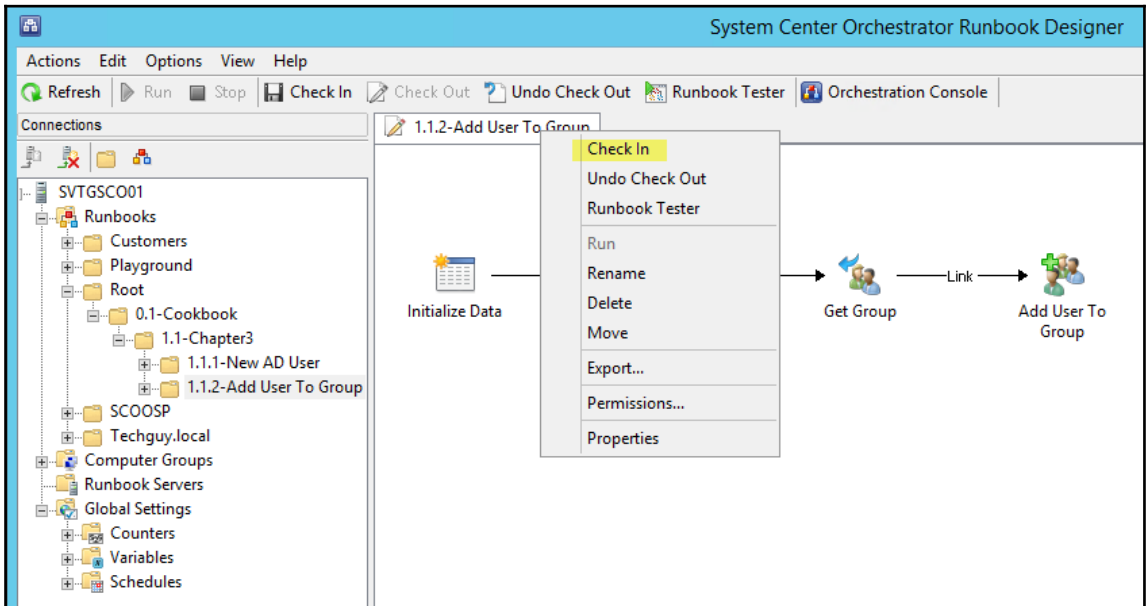
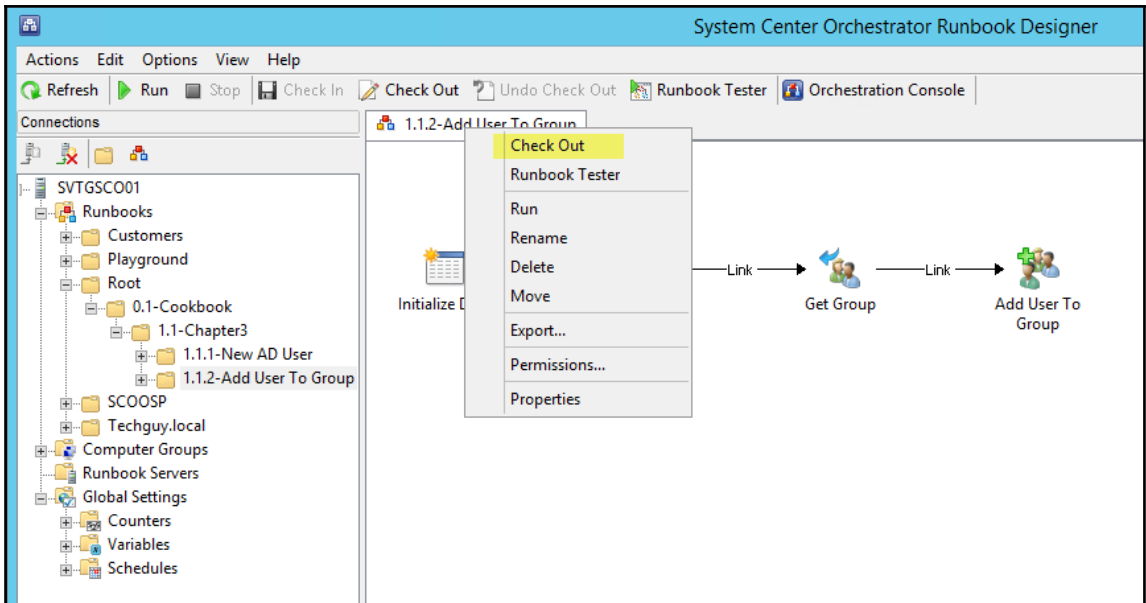
Job Statistics (Historical)

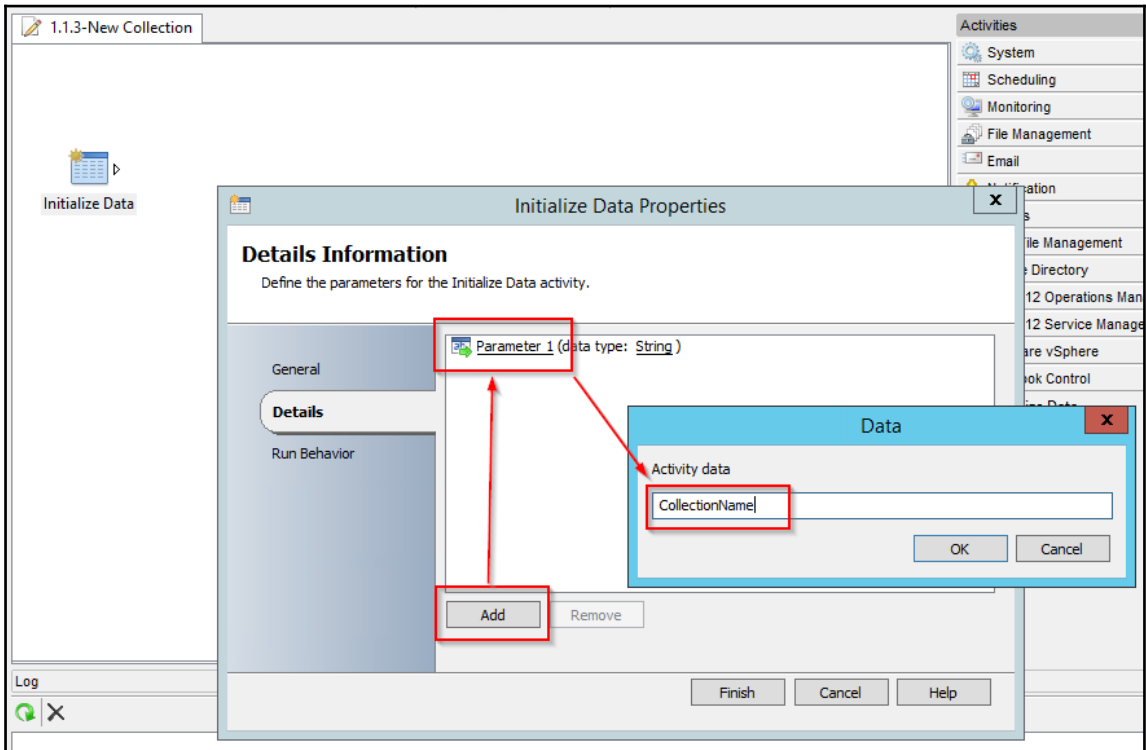
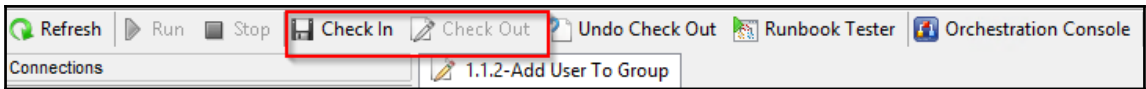
Failed	0	0	0
Canceled	0	0	0
Completed	0	0	99
Created	0	0	100

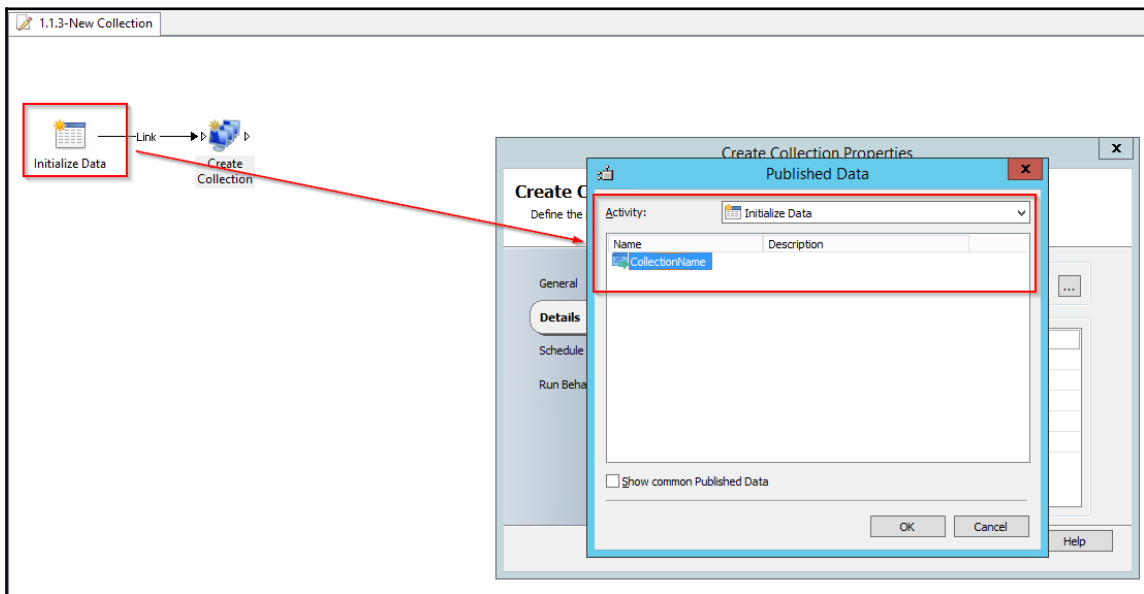
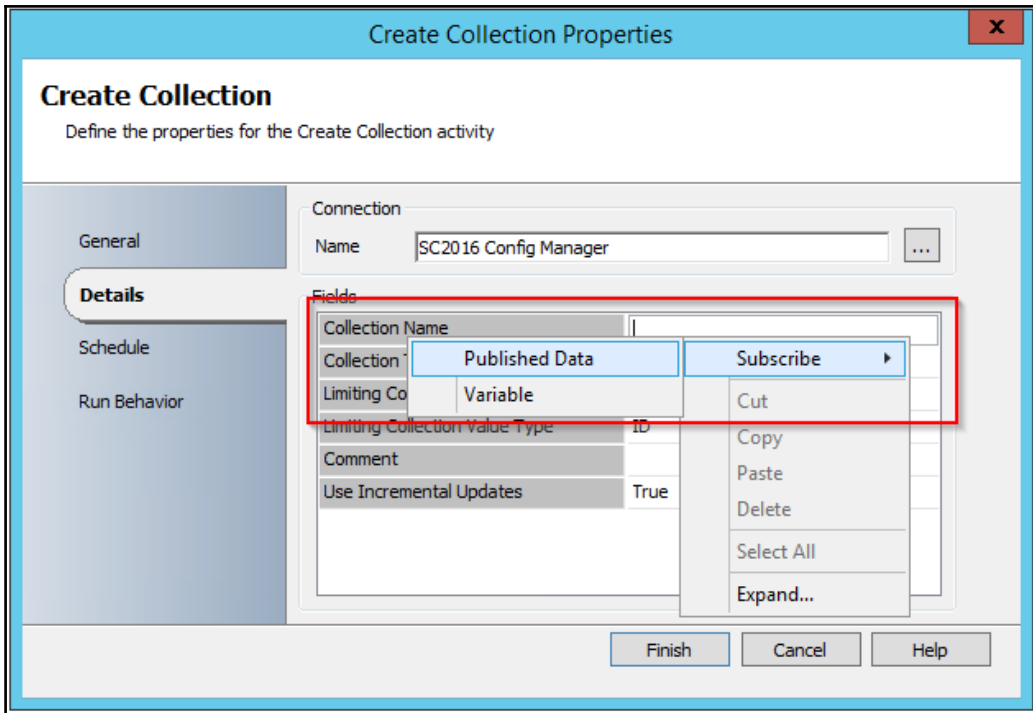
Job Statistics (Current)

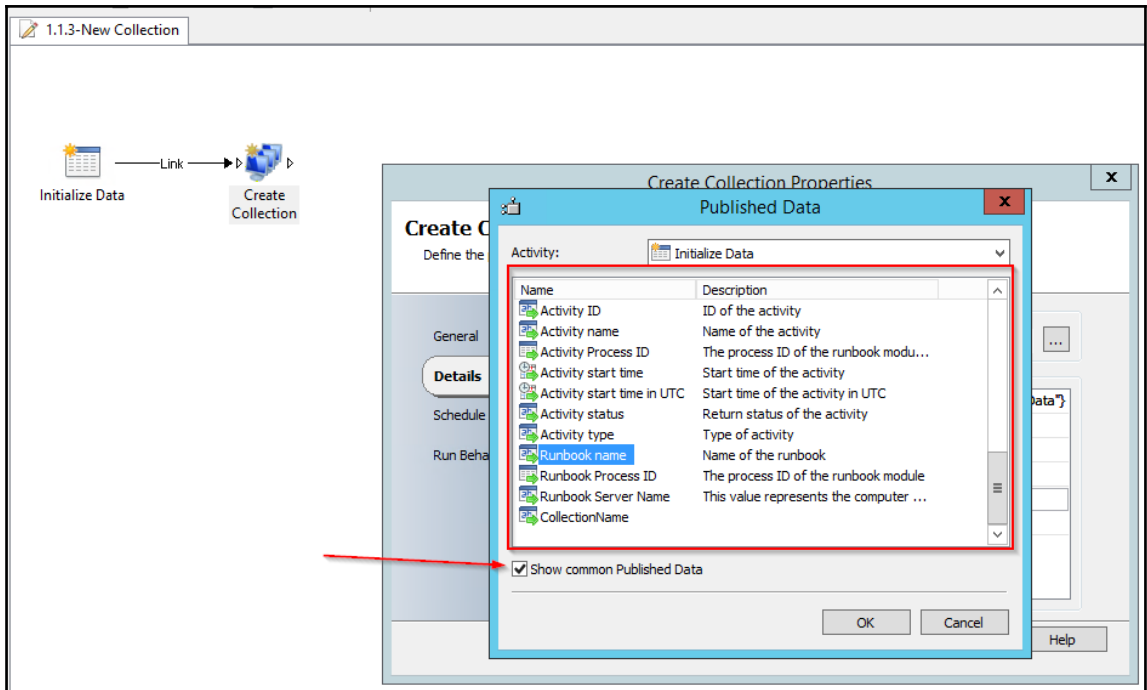
Queued	0	0	0
In Progress	0	0	1

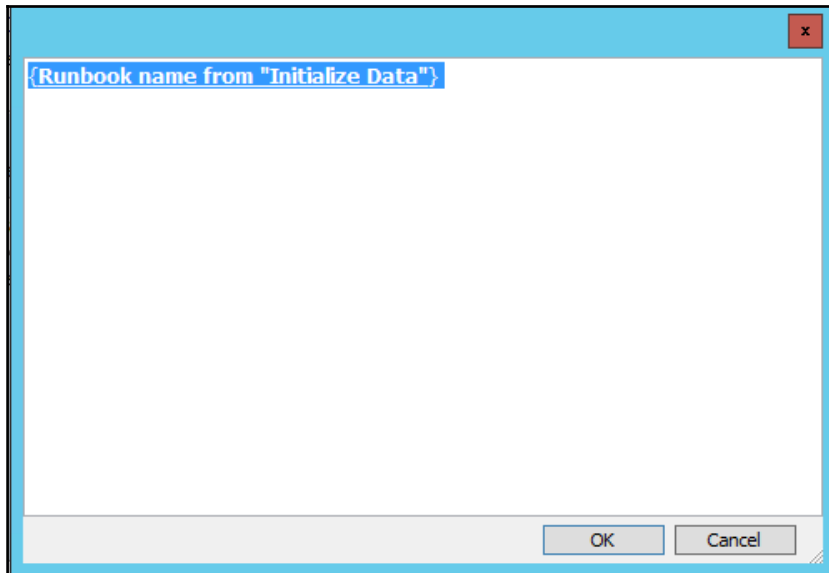
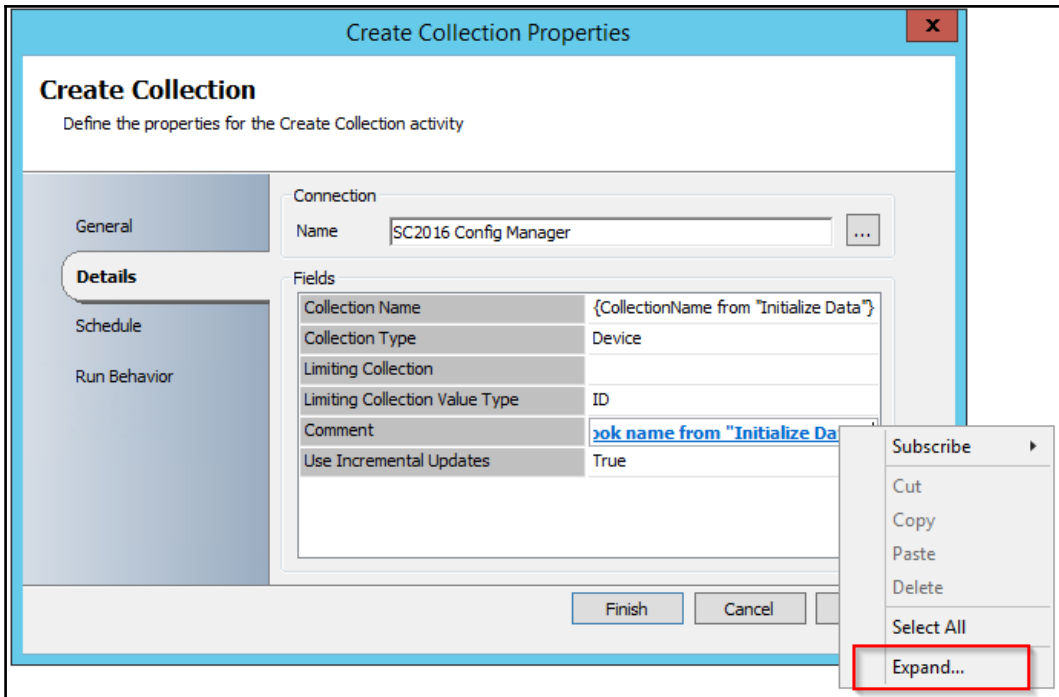
Actions

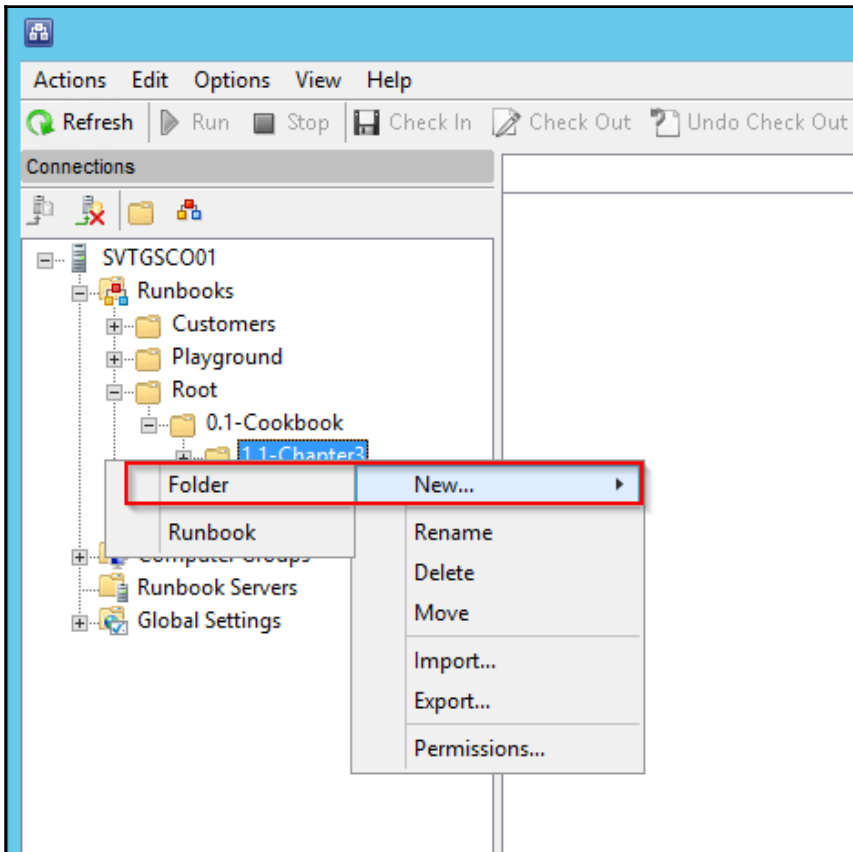
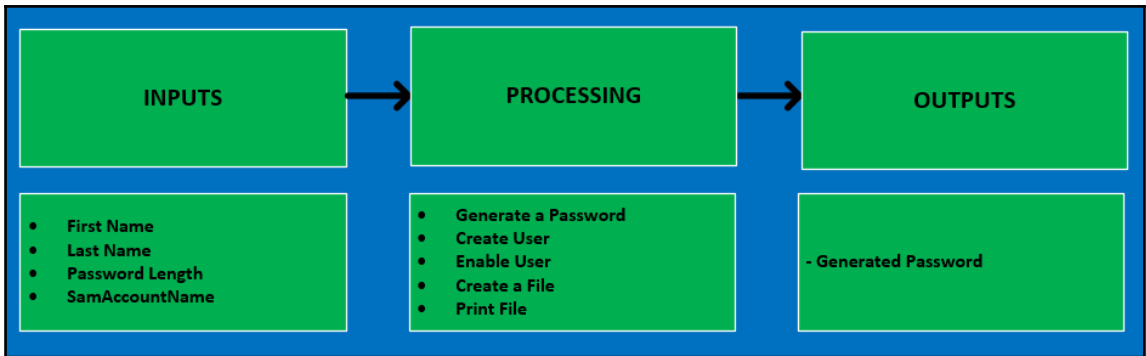


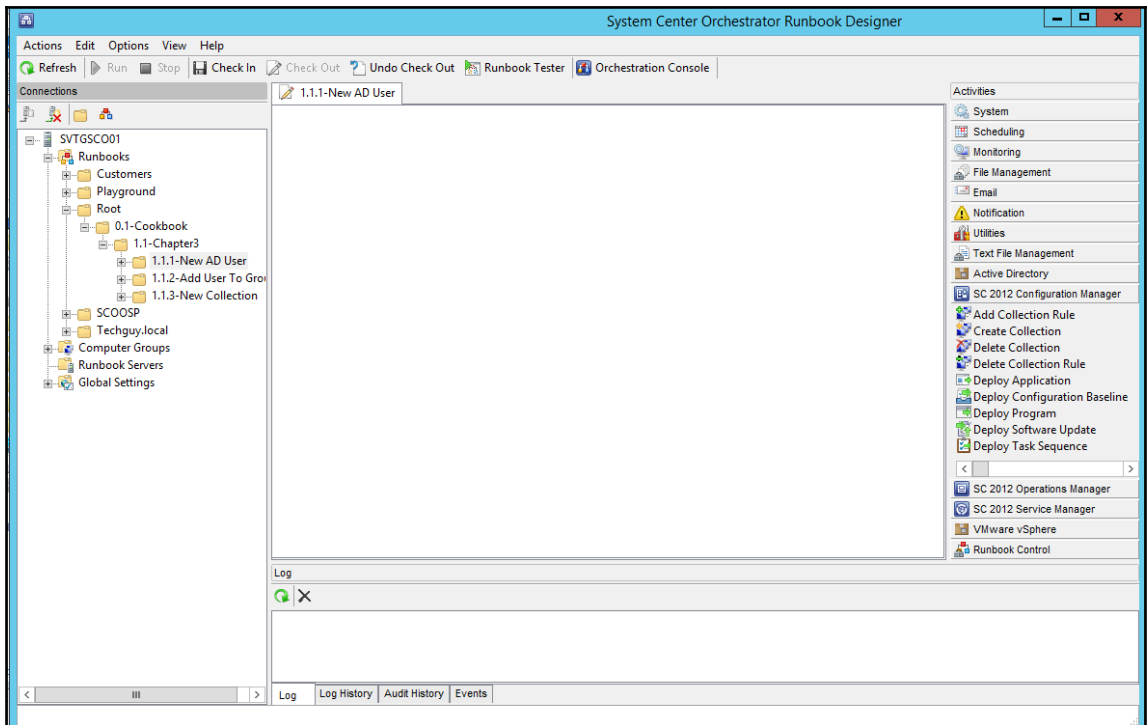
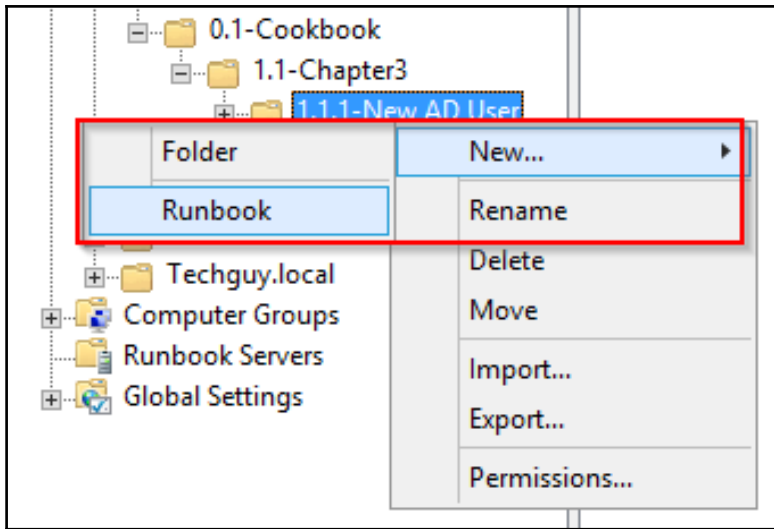


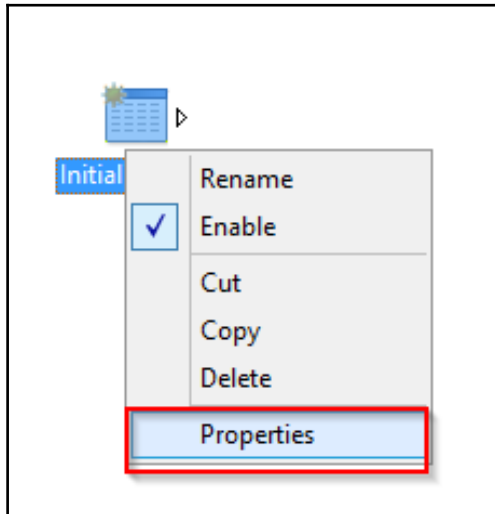


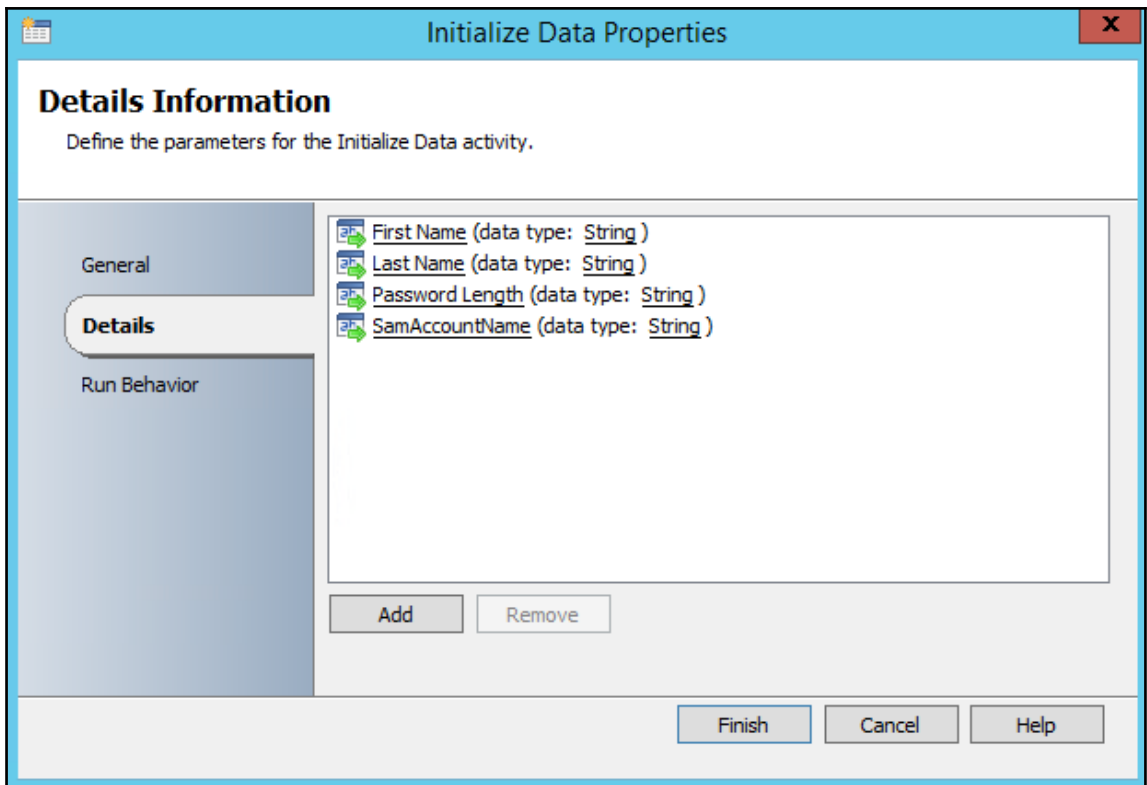


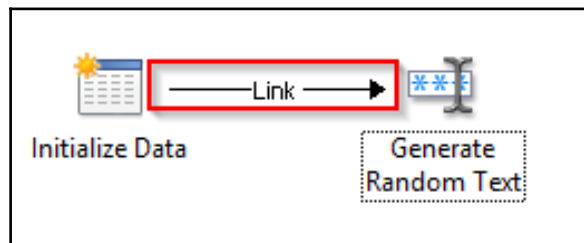
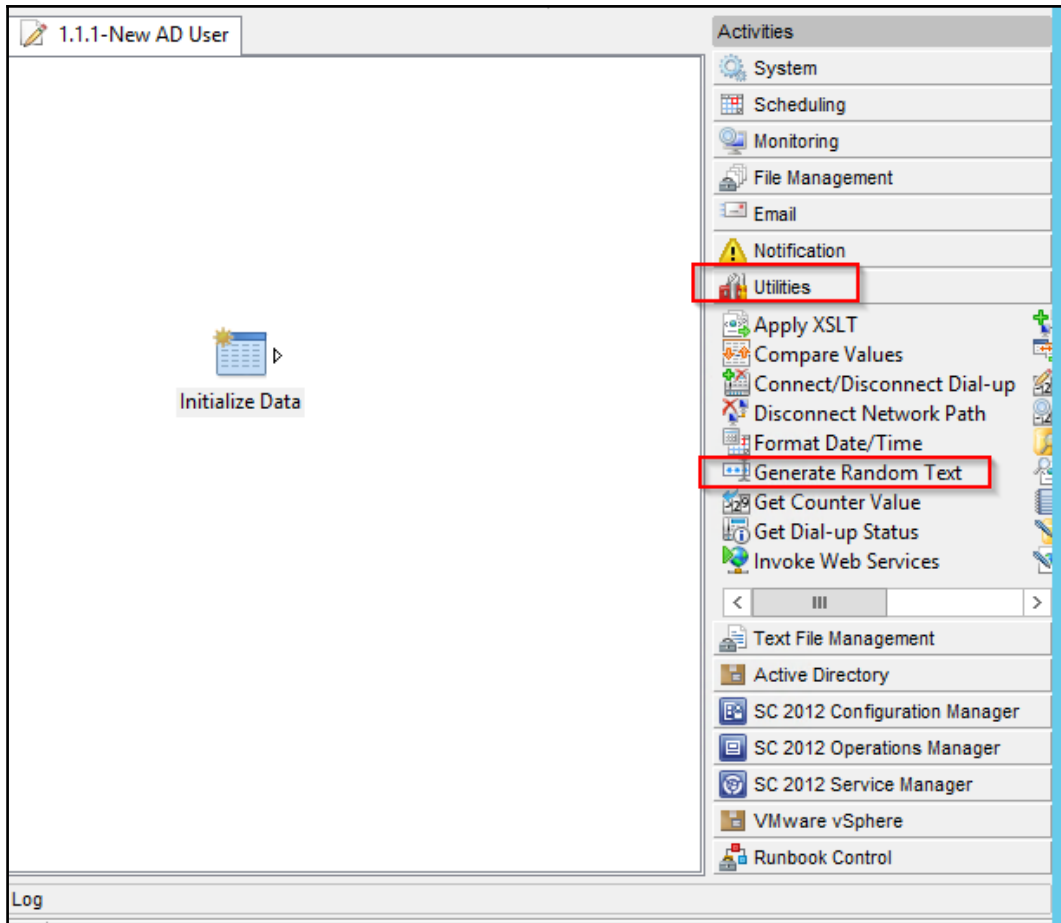


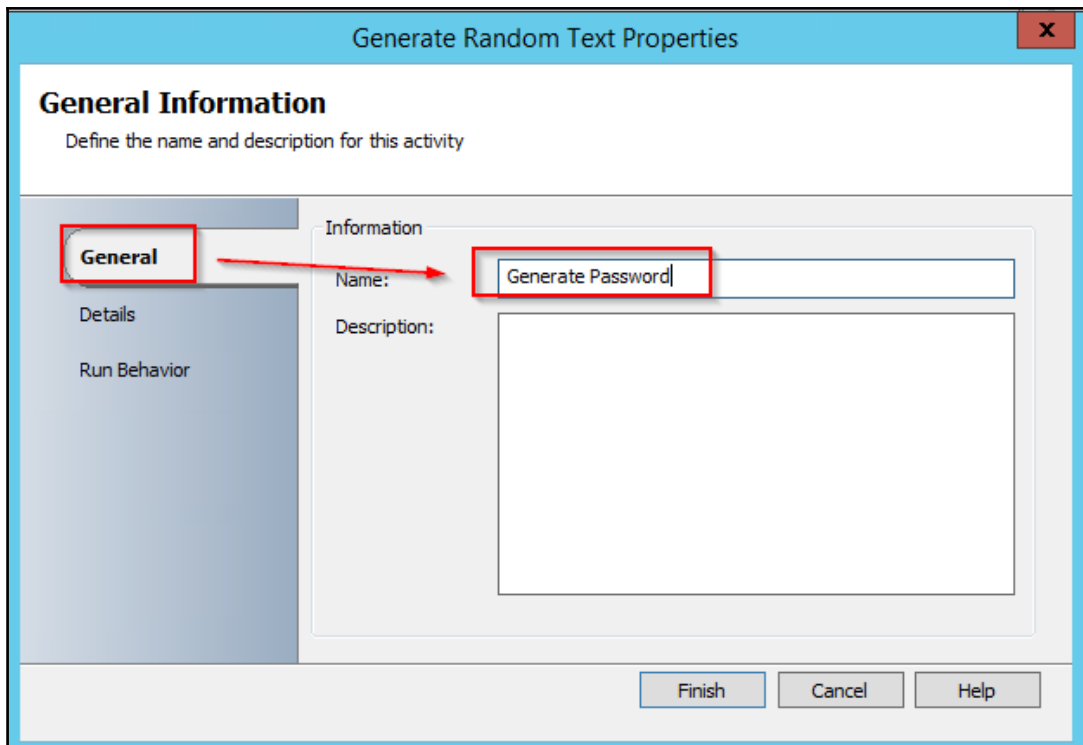












Generate Random Text Properties [X]

Details Information
Generate a string of random text of a specified length

General
Details
Run Behavior

Generate Random Text

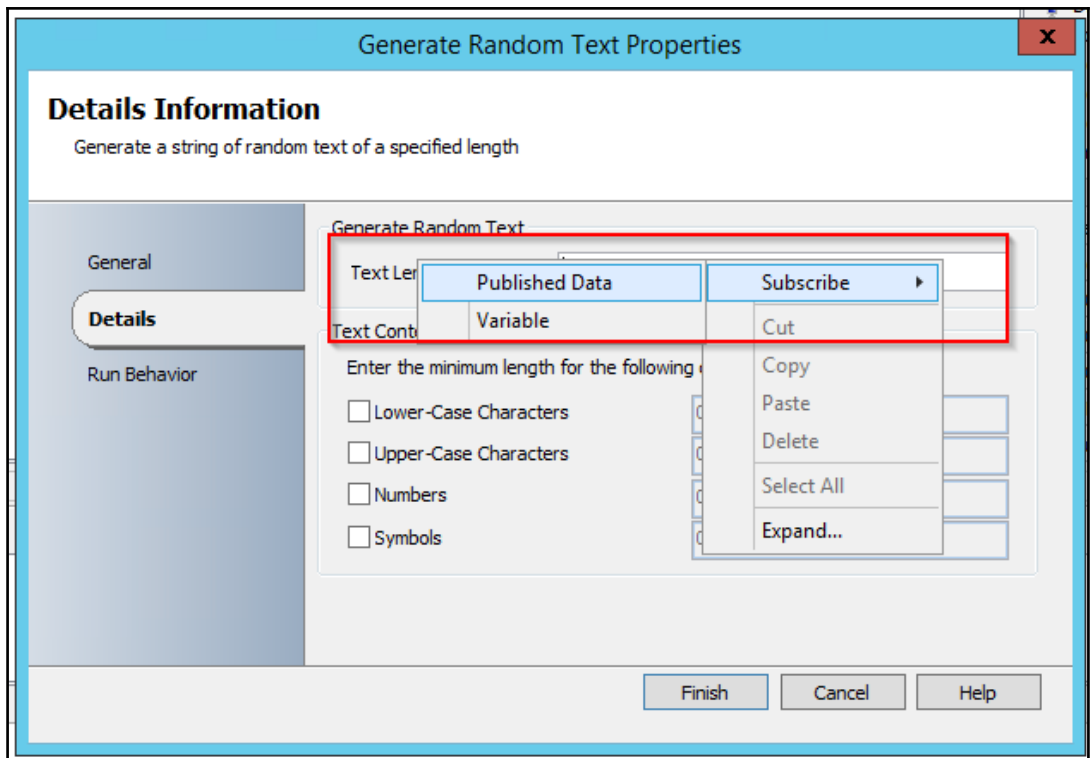
Text Length:

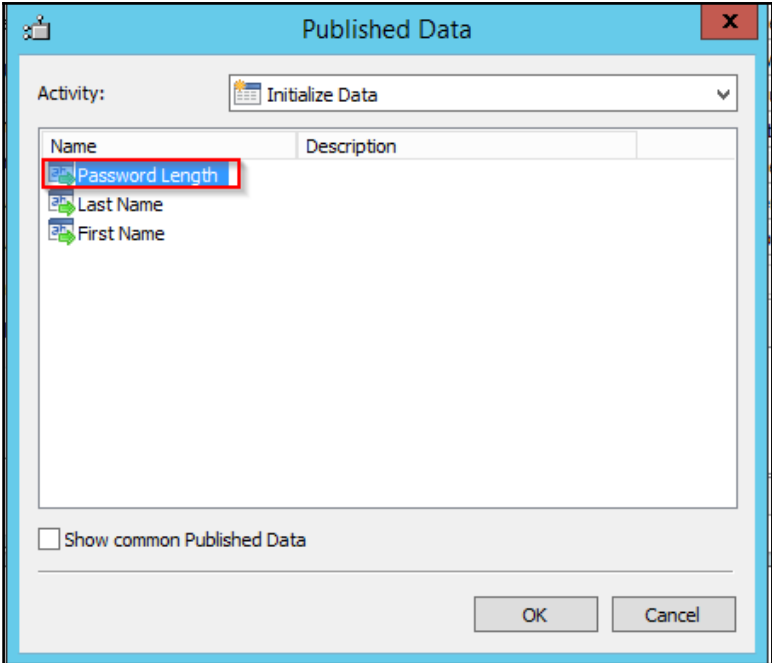
Text Contents

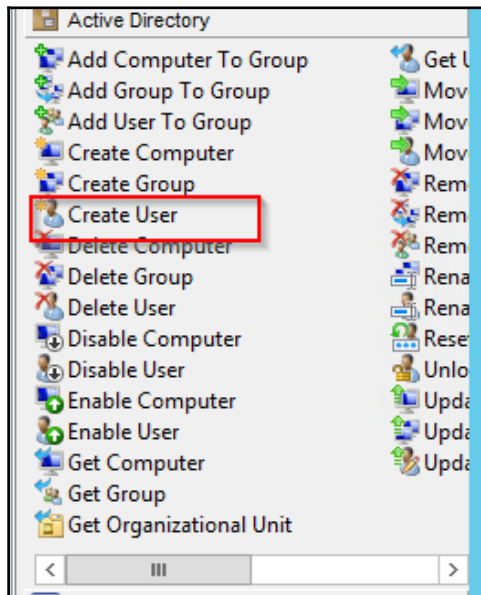
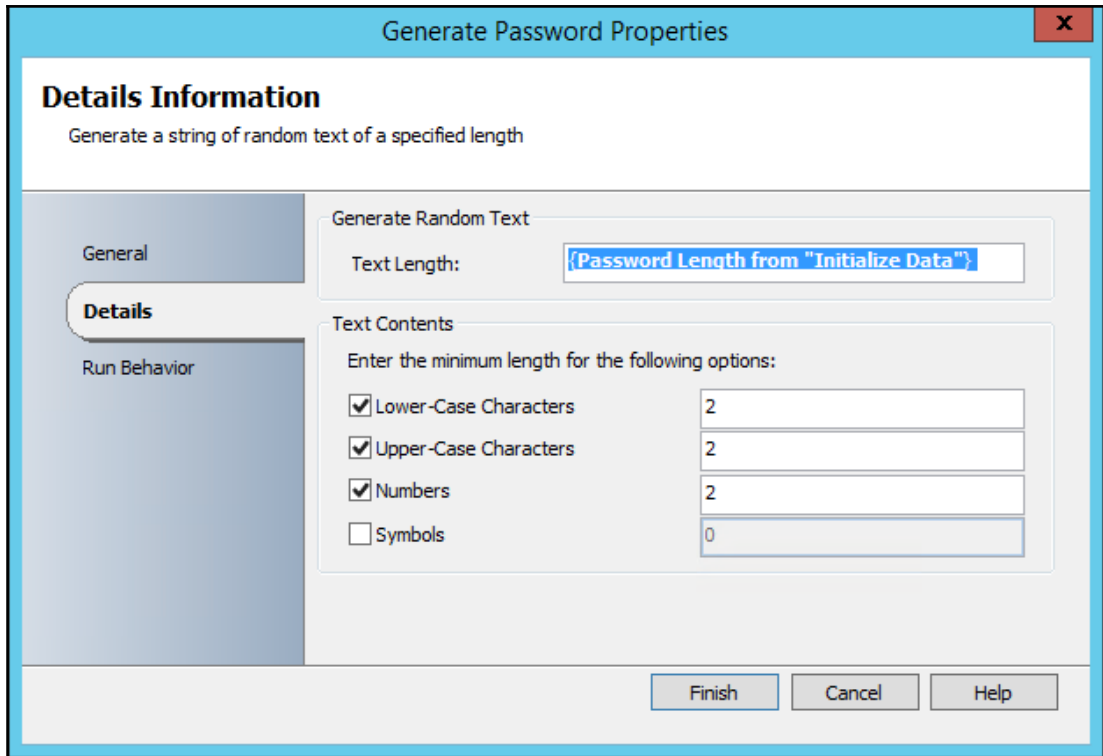
Enter the minimum length for the following options:

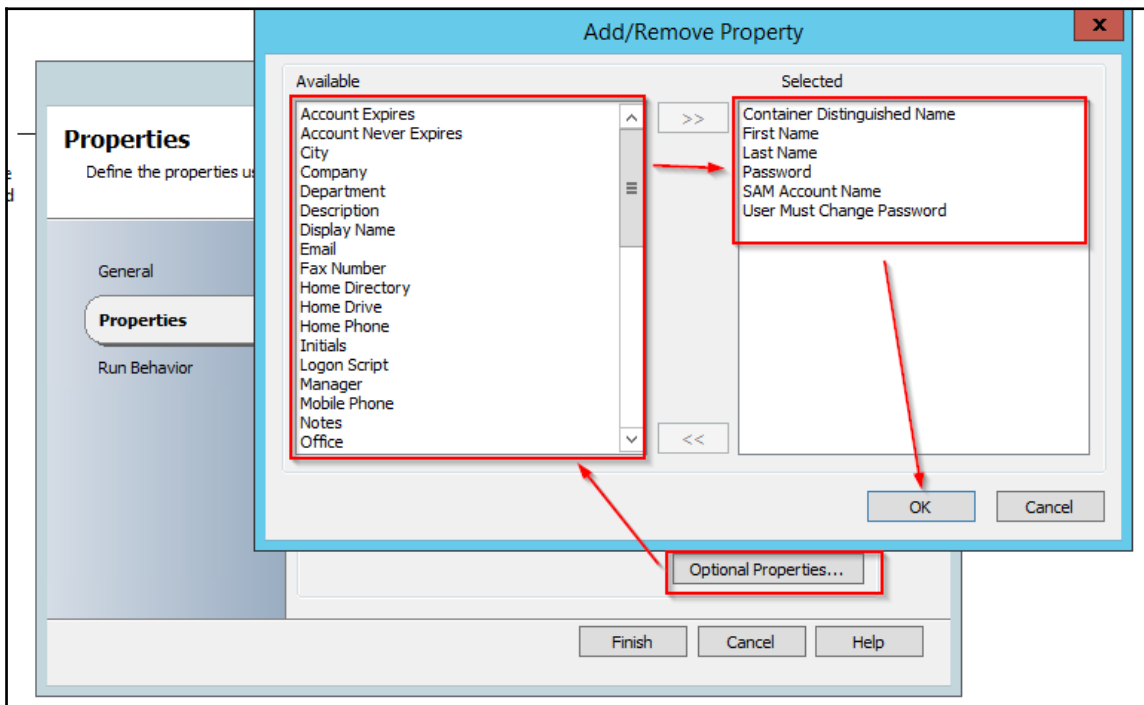
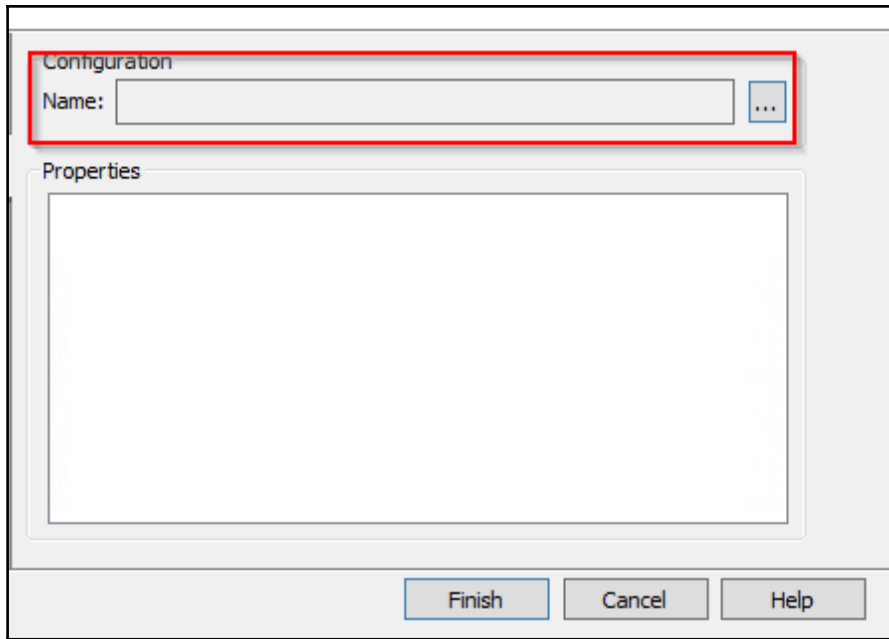
<input type="checkbox"/> Lower-Case Characters	<input type="text" value="0"/>
<input type="checkbox"/> Upper-Case Characters	<input type="text" value="0"/>
<input type="checkbox"/> Numbers	<input type="text" value="0"/>
<input type="checkbox"/> Symbols	<input type="text" value="0"/>

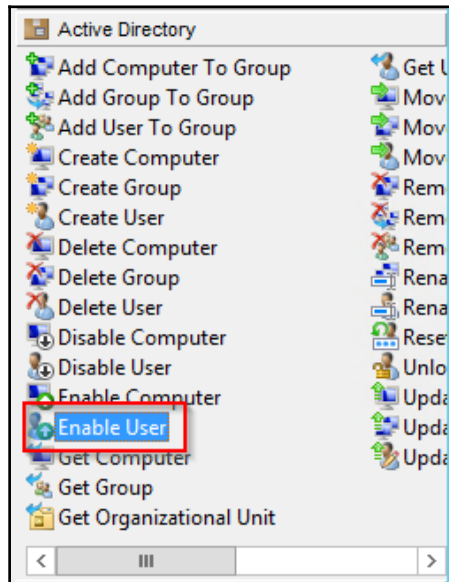
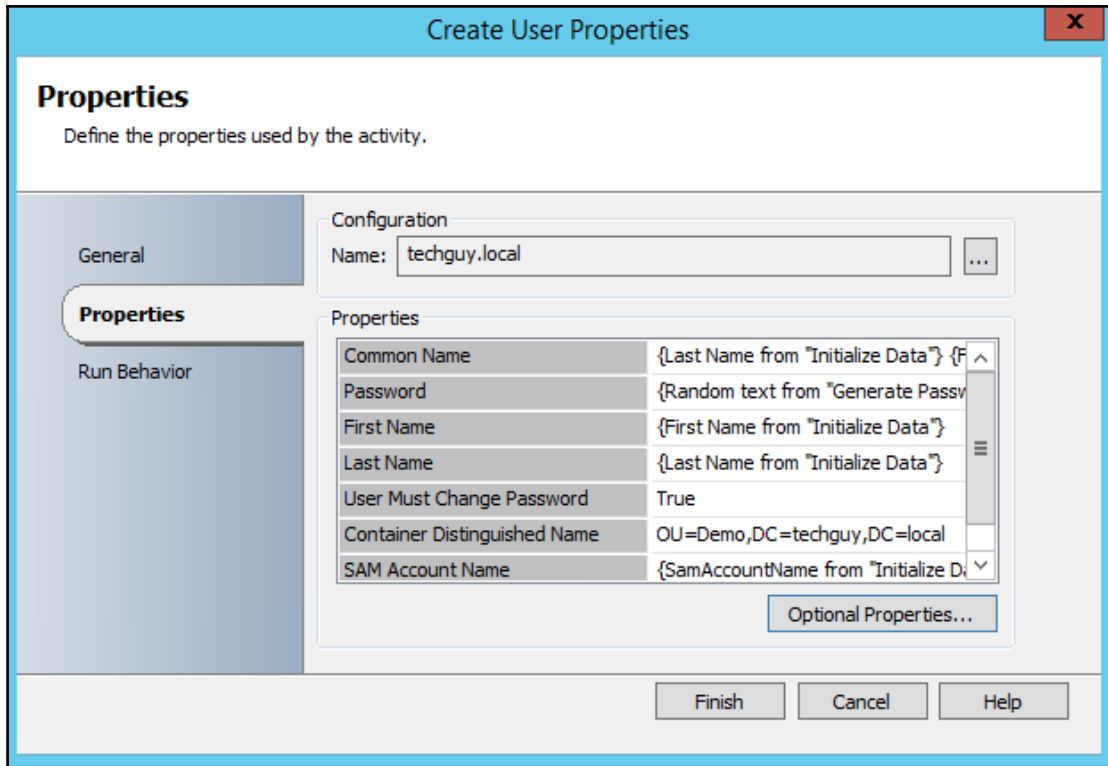
Finish Cancel Help

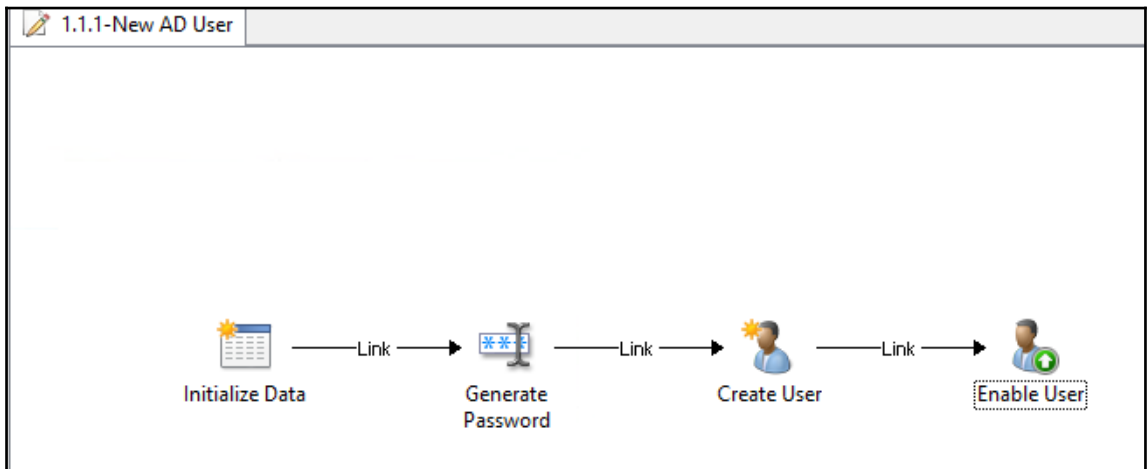
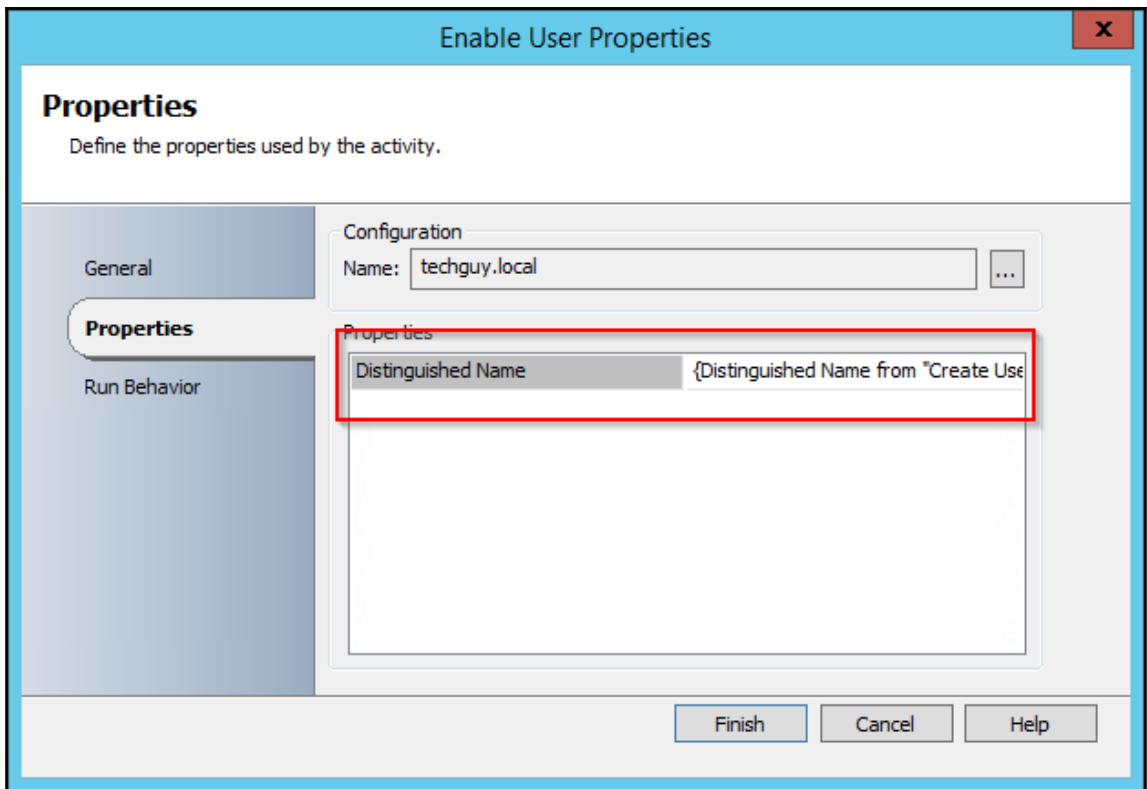


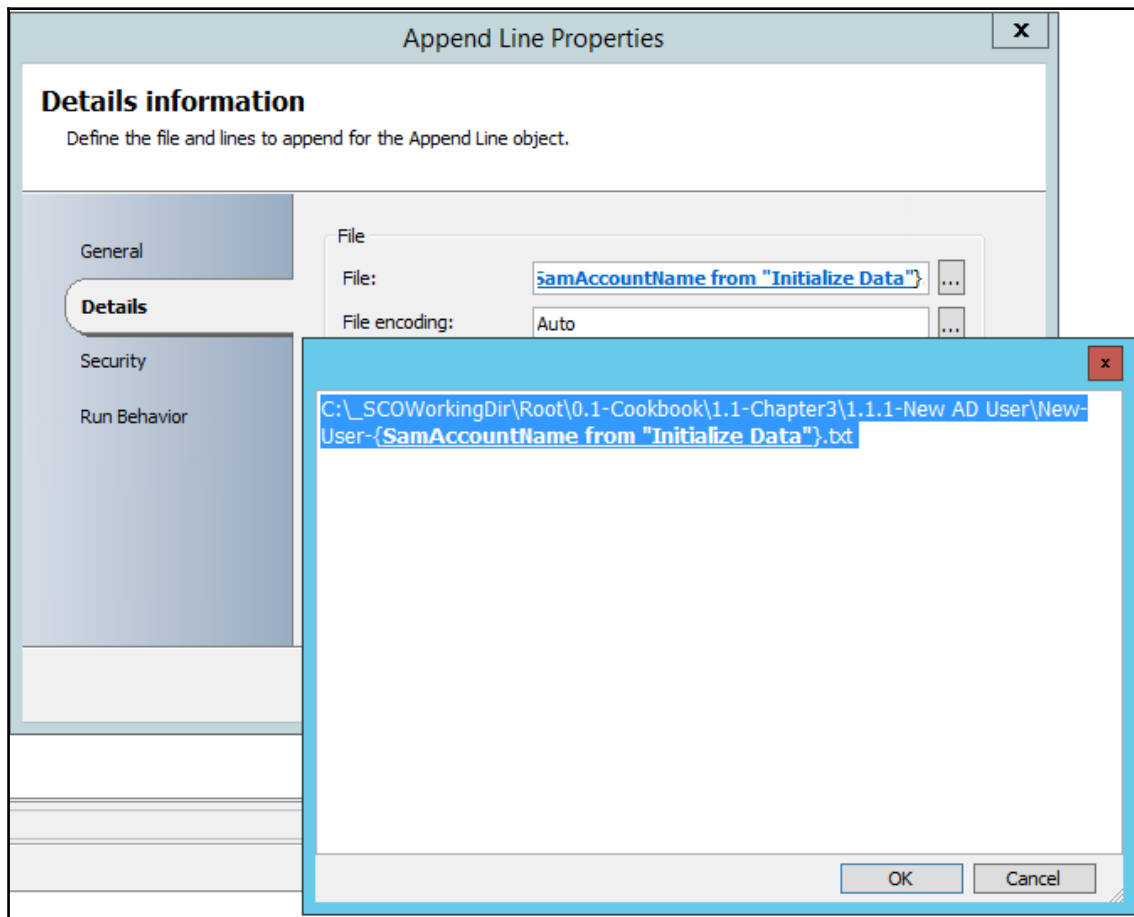
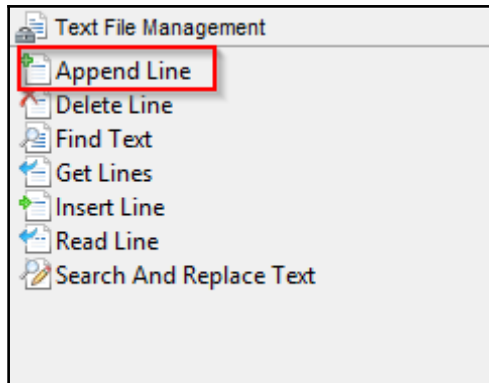


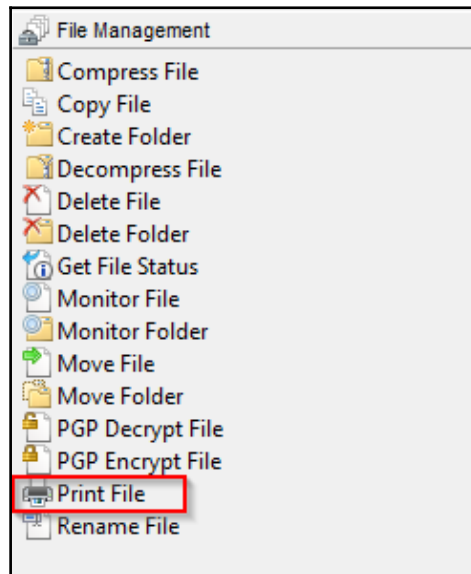
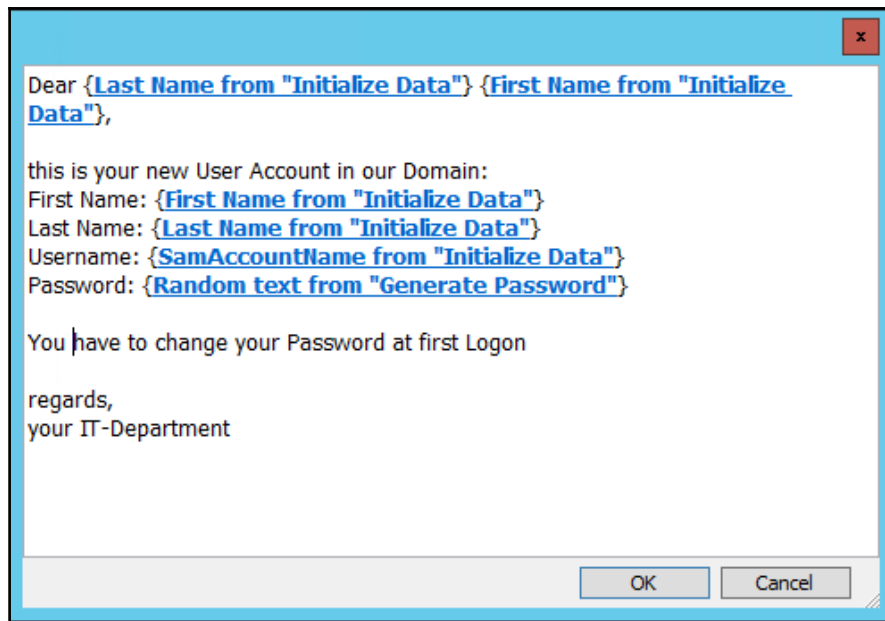


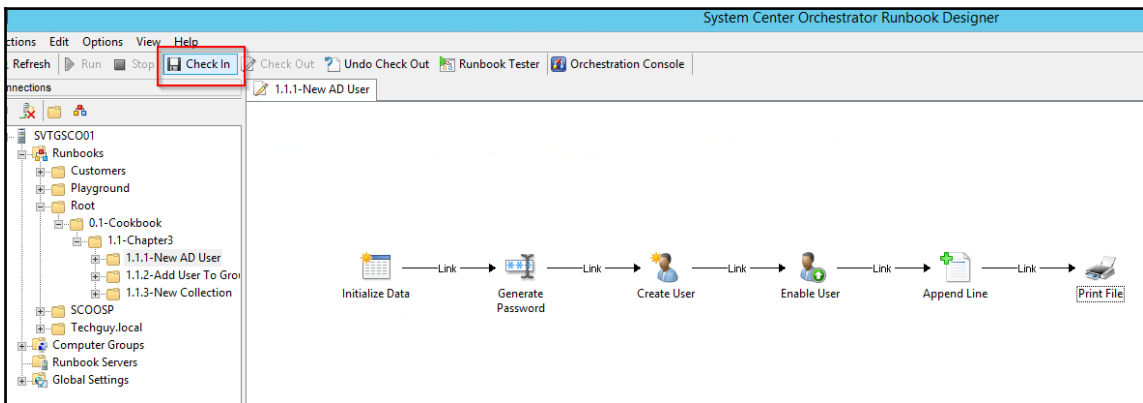
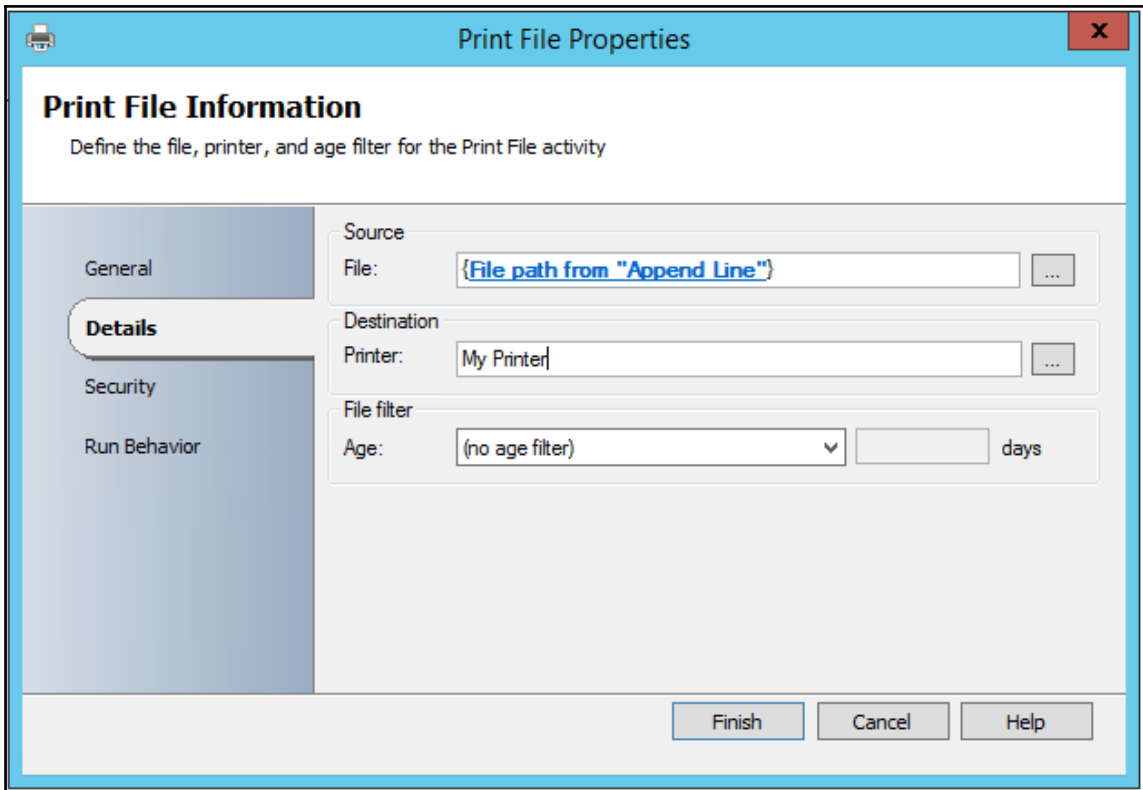


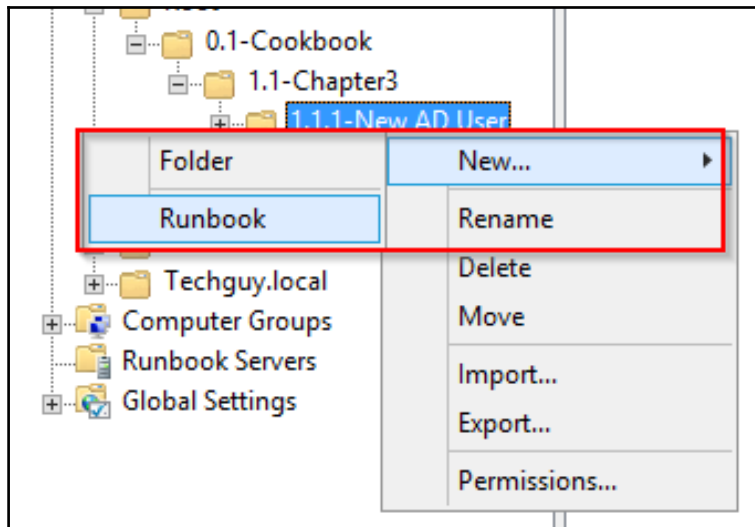
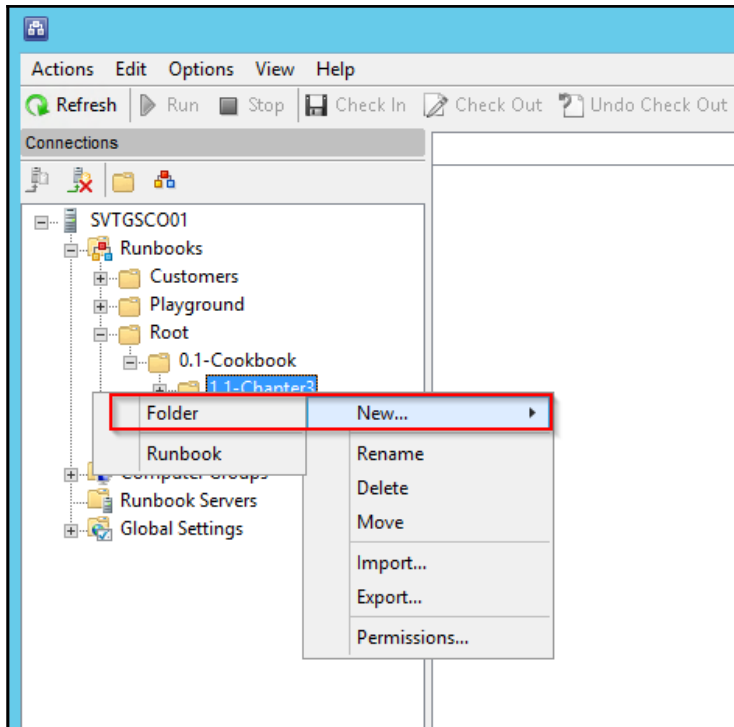


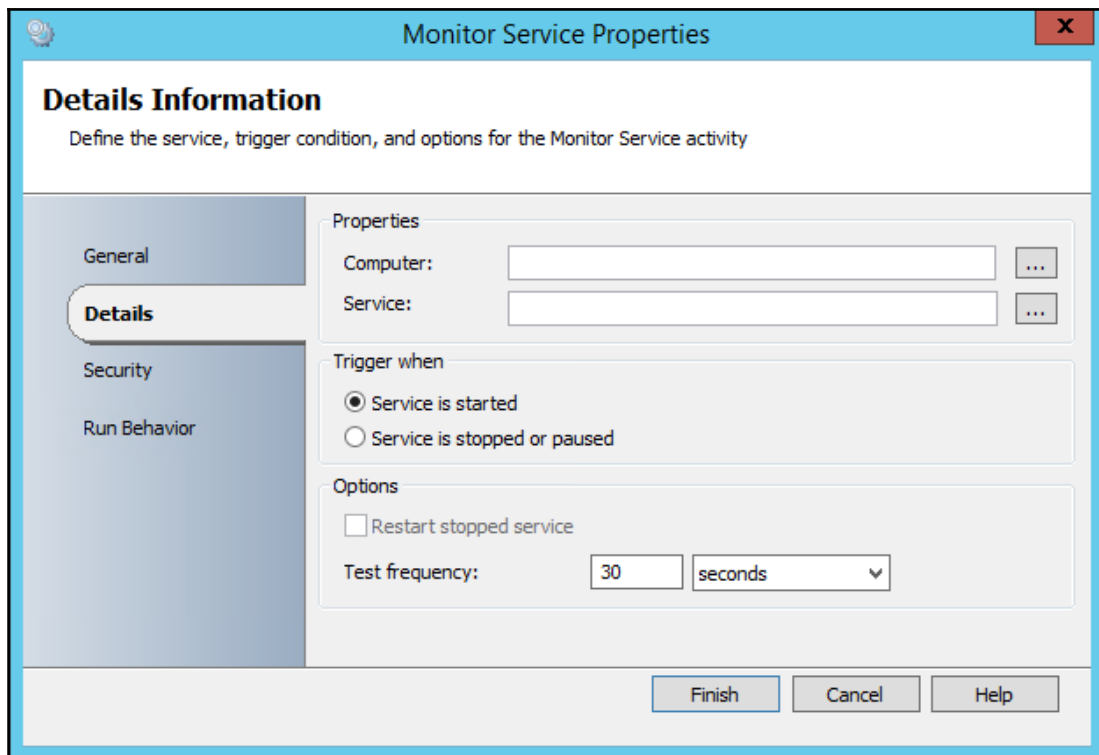
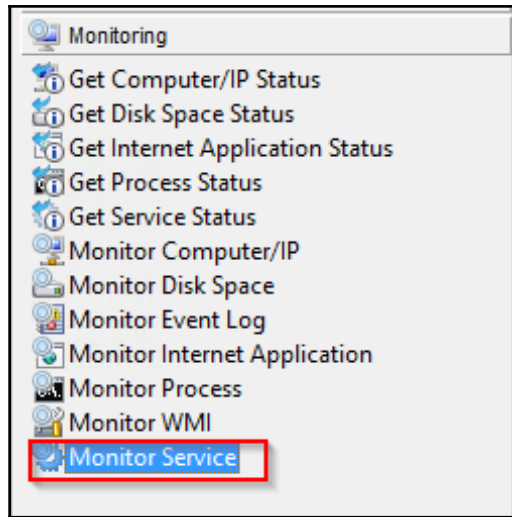


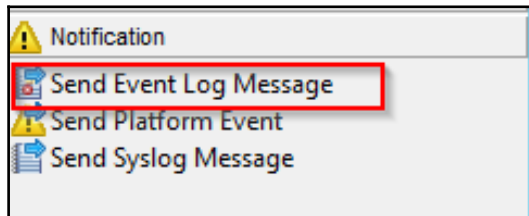
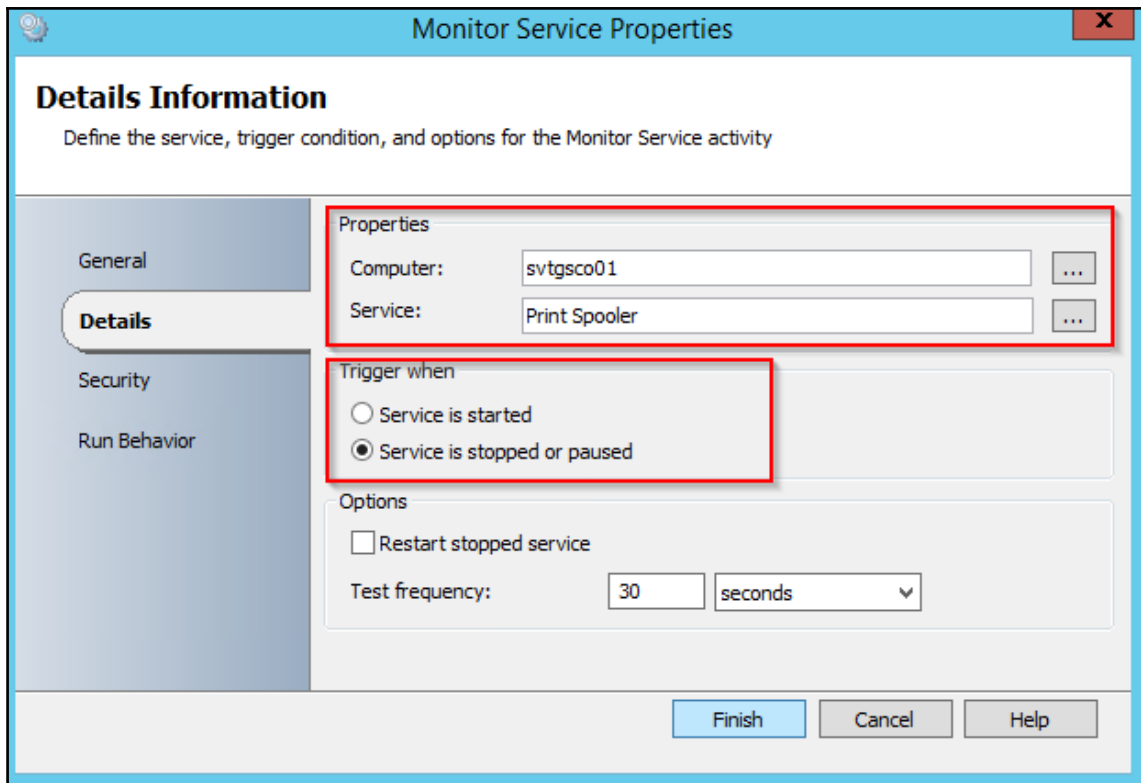


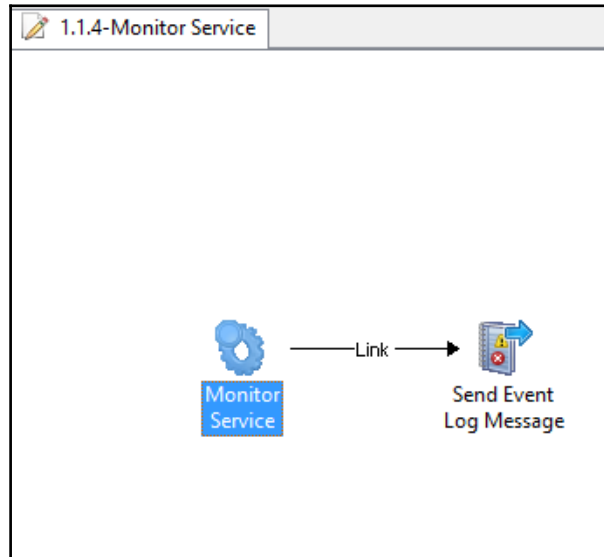
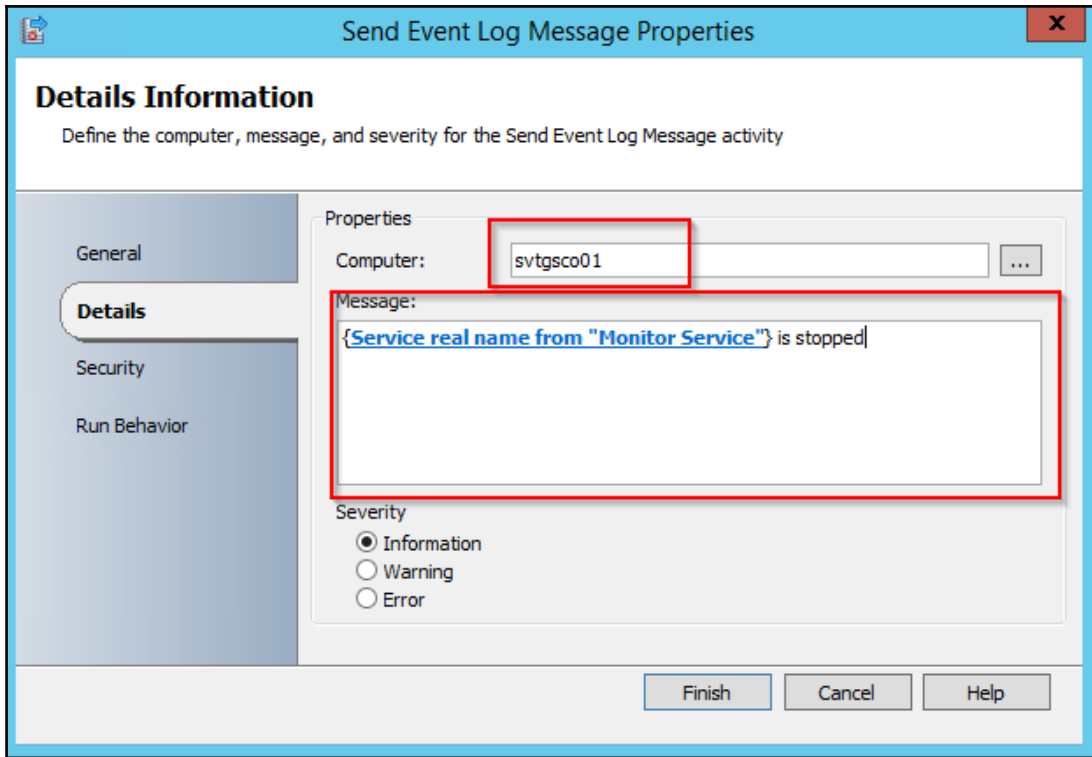


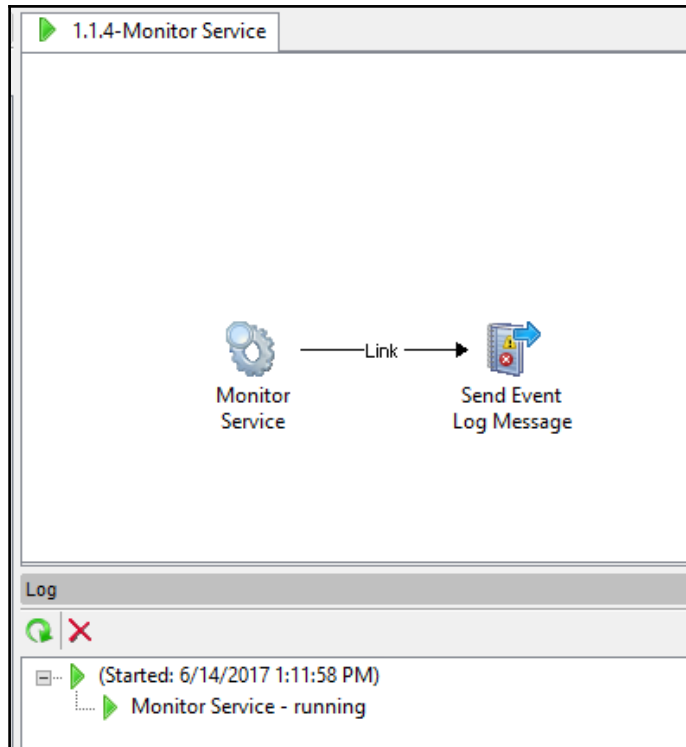




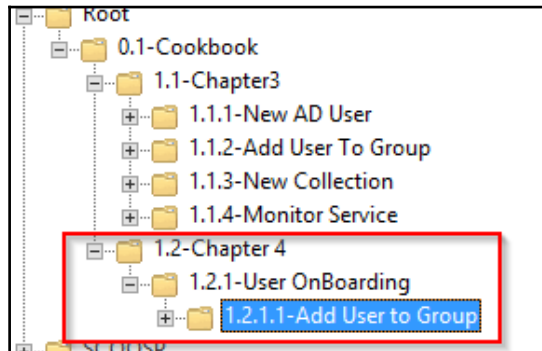
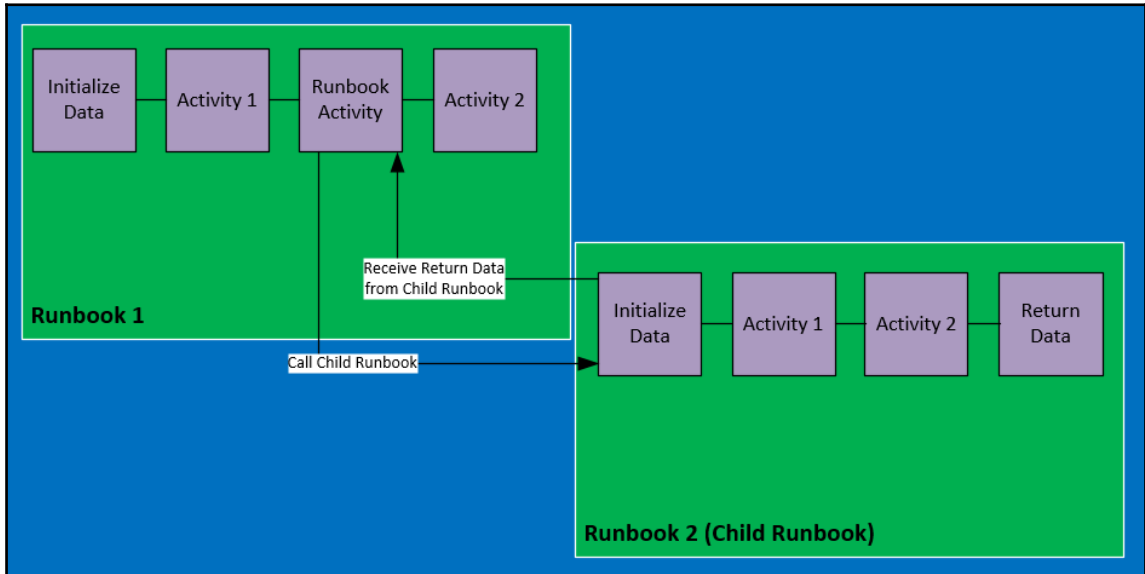


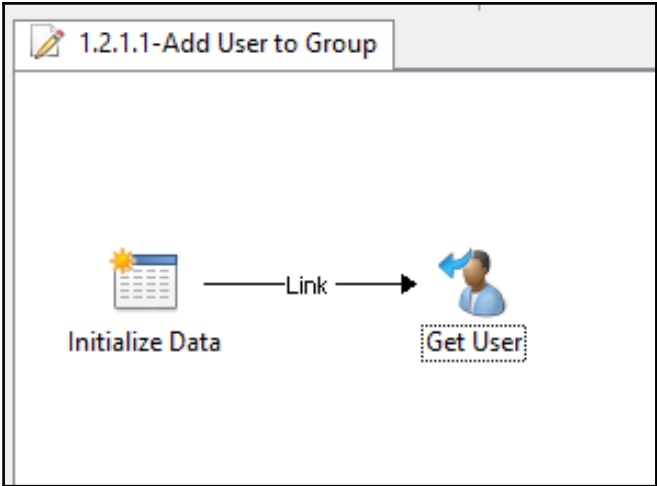


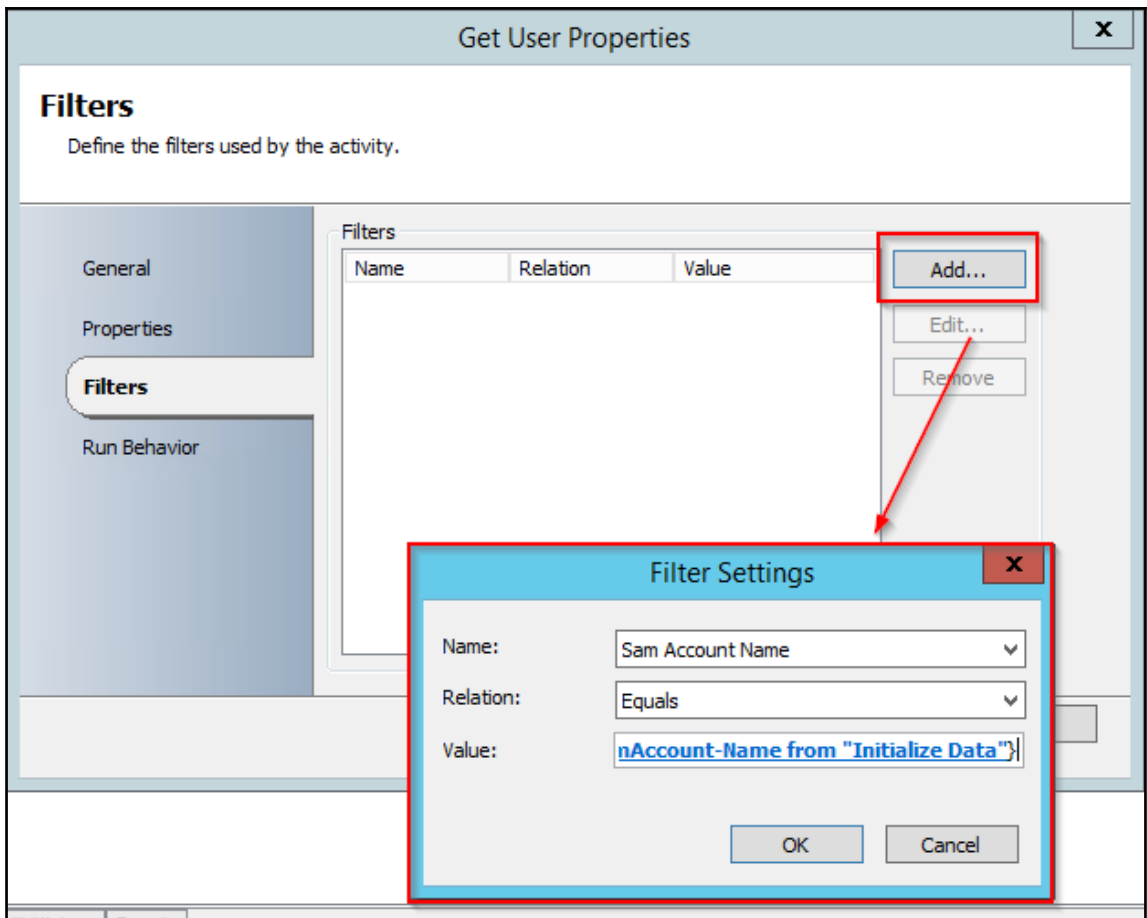


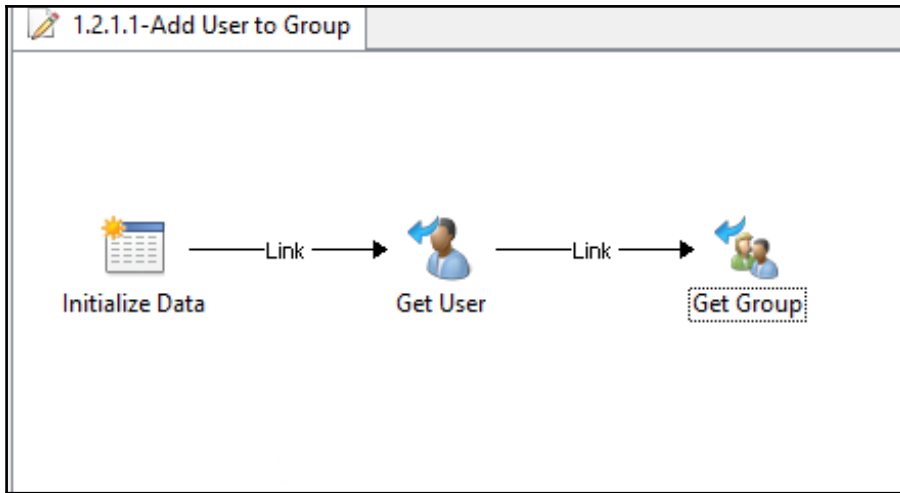


Chapter 4: Building Advanced Runbooks









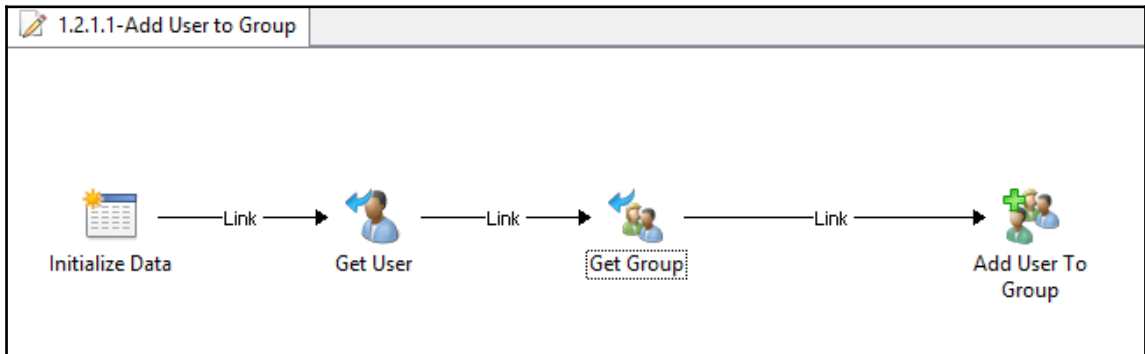
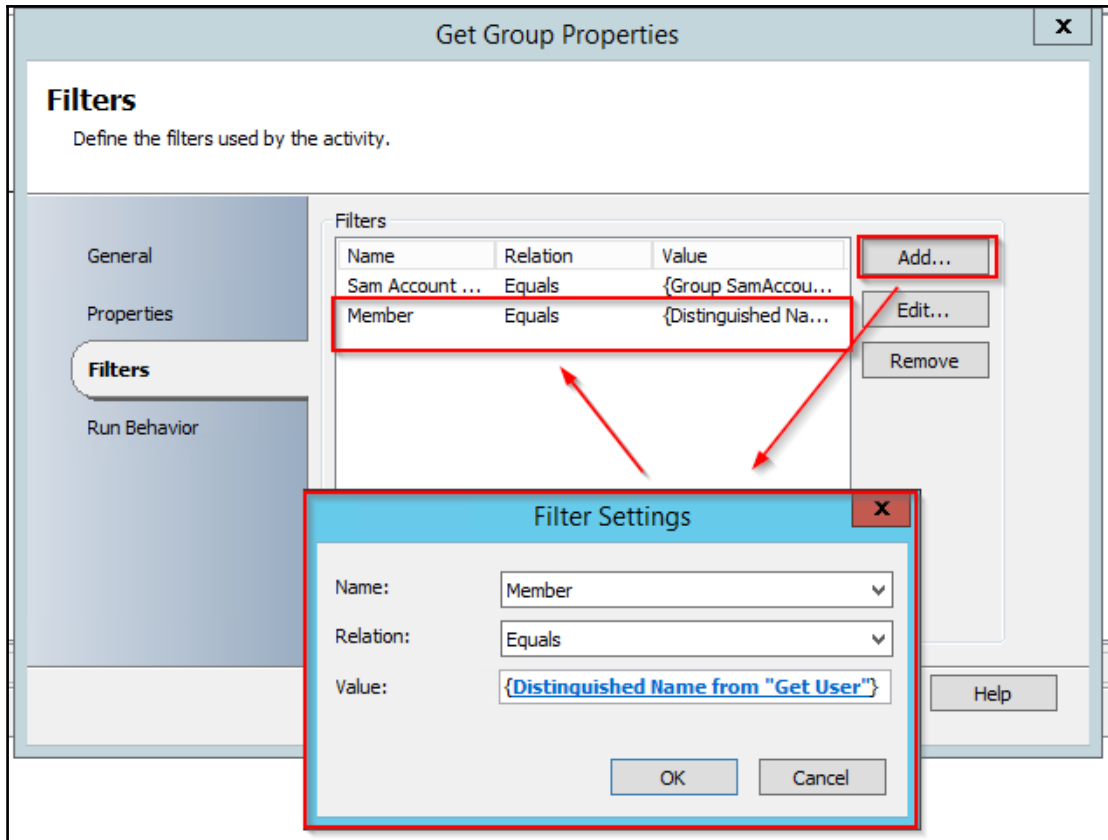
The screenshot shows the "Get Group Properties" dialog box. On the left is a sidebar with "Filters" selected. The main area is titled "Filters" and contains a table with the following data:

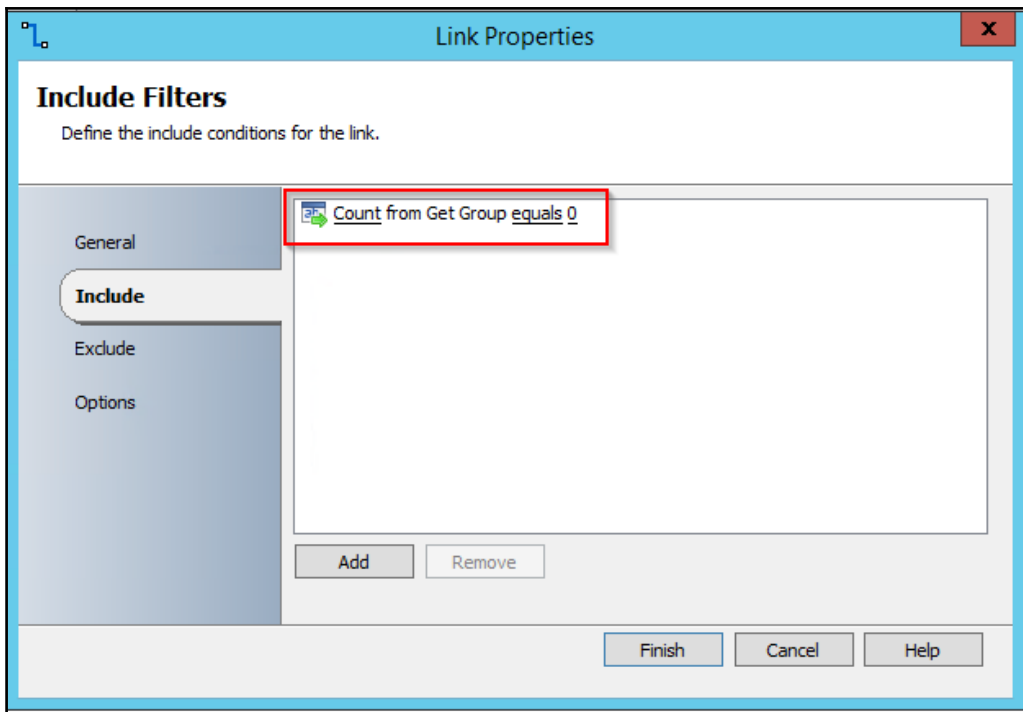
Name	Relation	Value
Sam Account ...	Equals	{Group SamAccou...

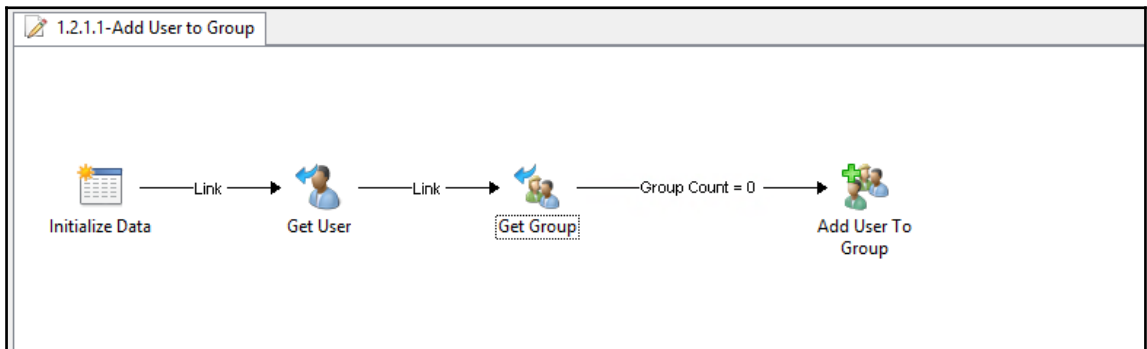
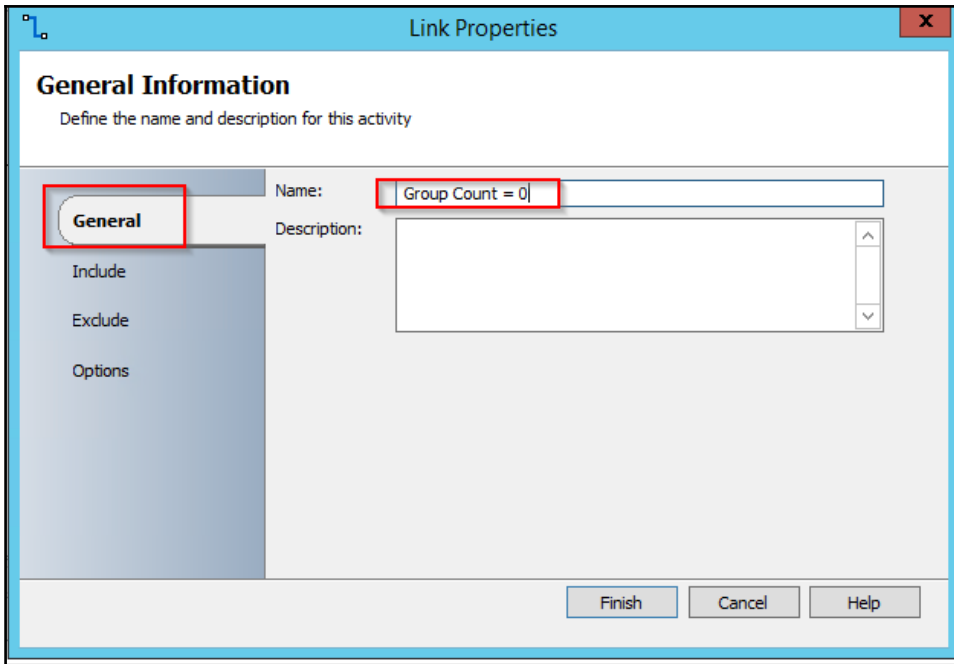
Below the table are buttons for "Add...", "Edit...", and "Remove". A "Filter Settings" dialog box is open in the foreground, showing the configuration for the selected filter:

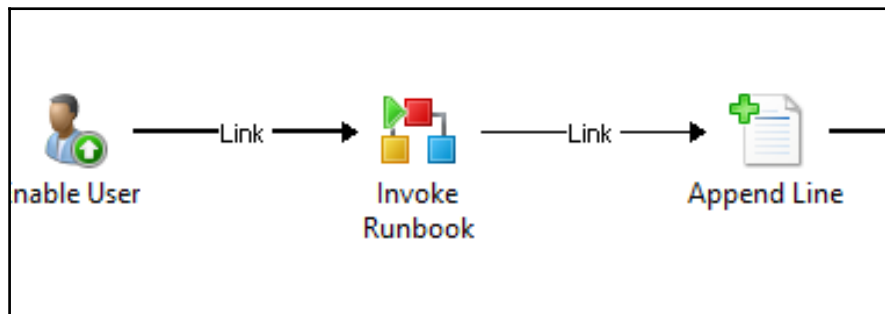
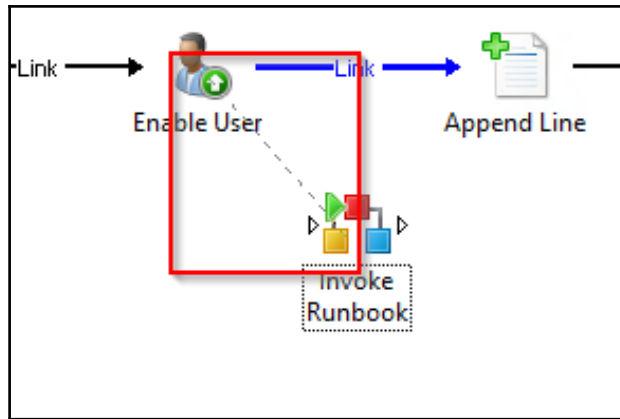
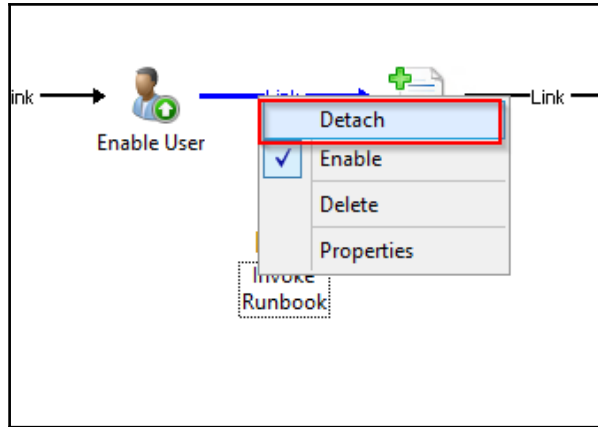
- Name: Sam Account Name
- Relation: Equals
- Value: {Group SamAccountName from "Initial

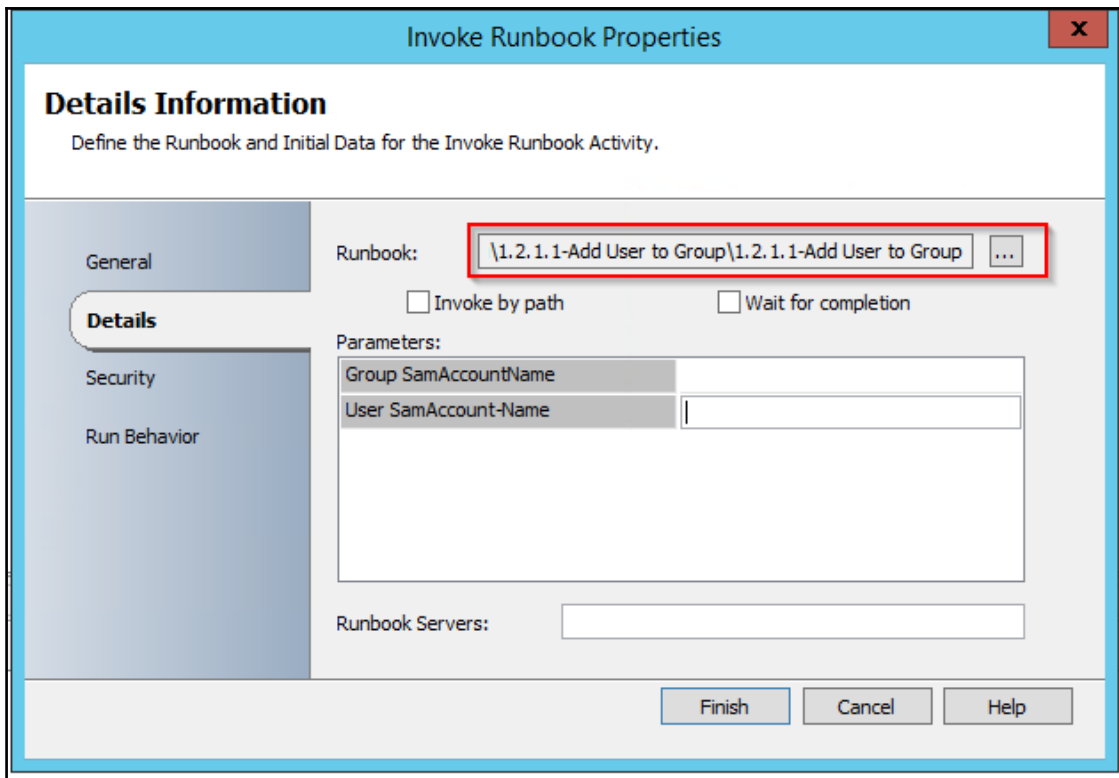
Buttons for "OK" and "Cancel" are at the bottom of the "Filter Settings" dialog.

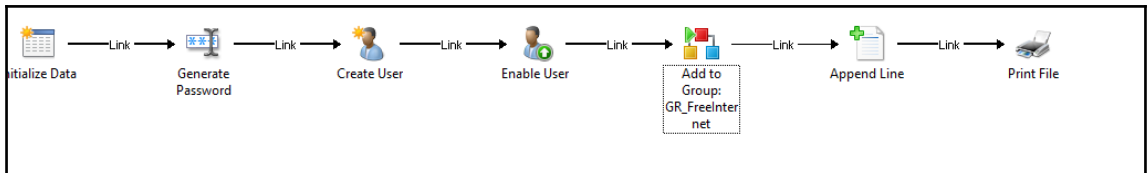
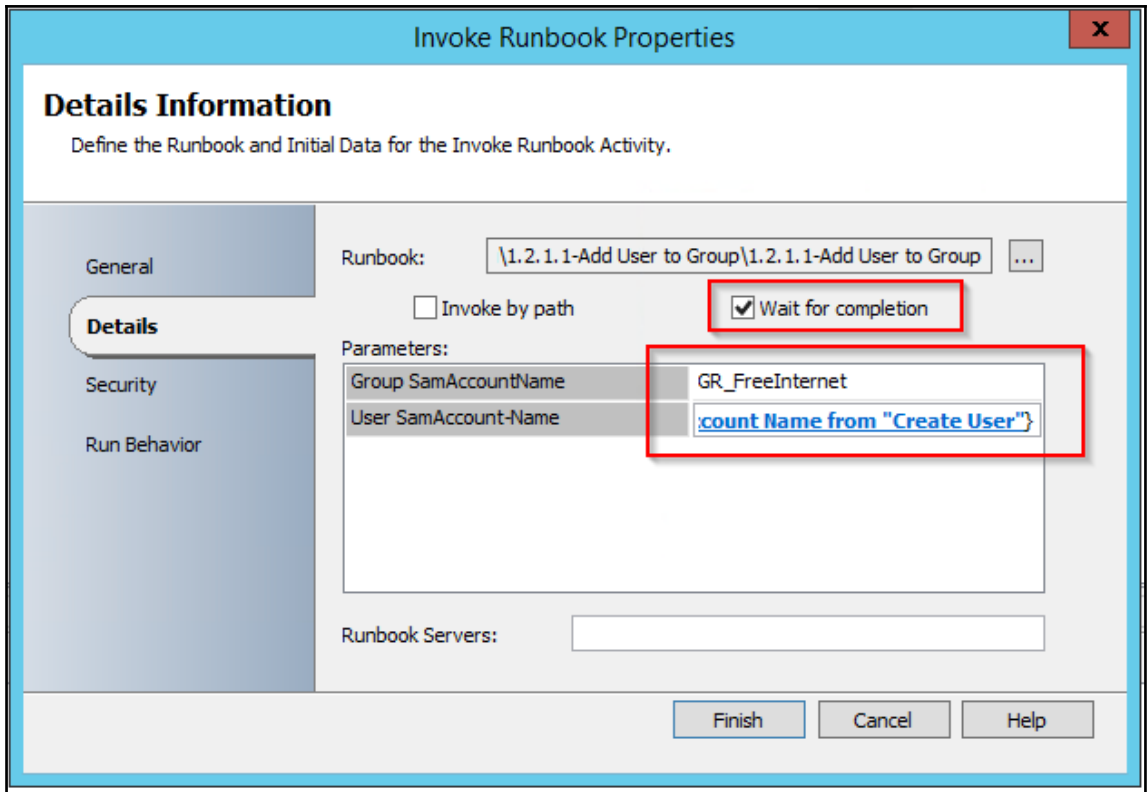


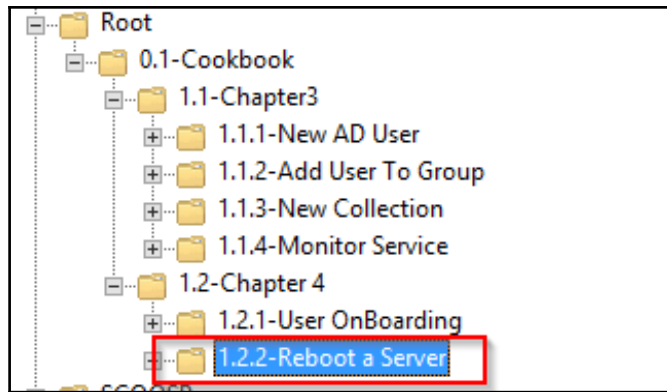
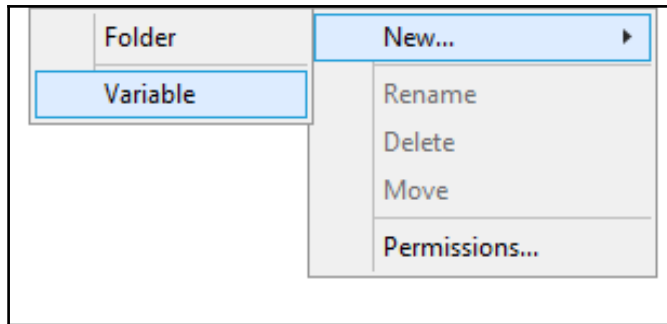


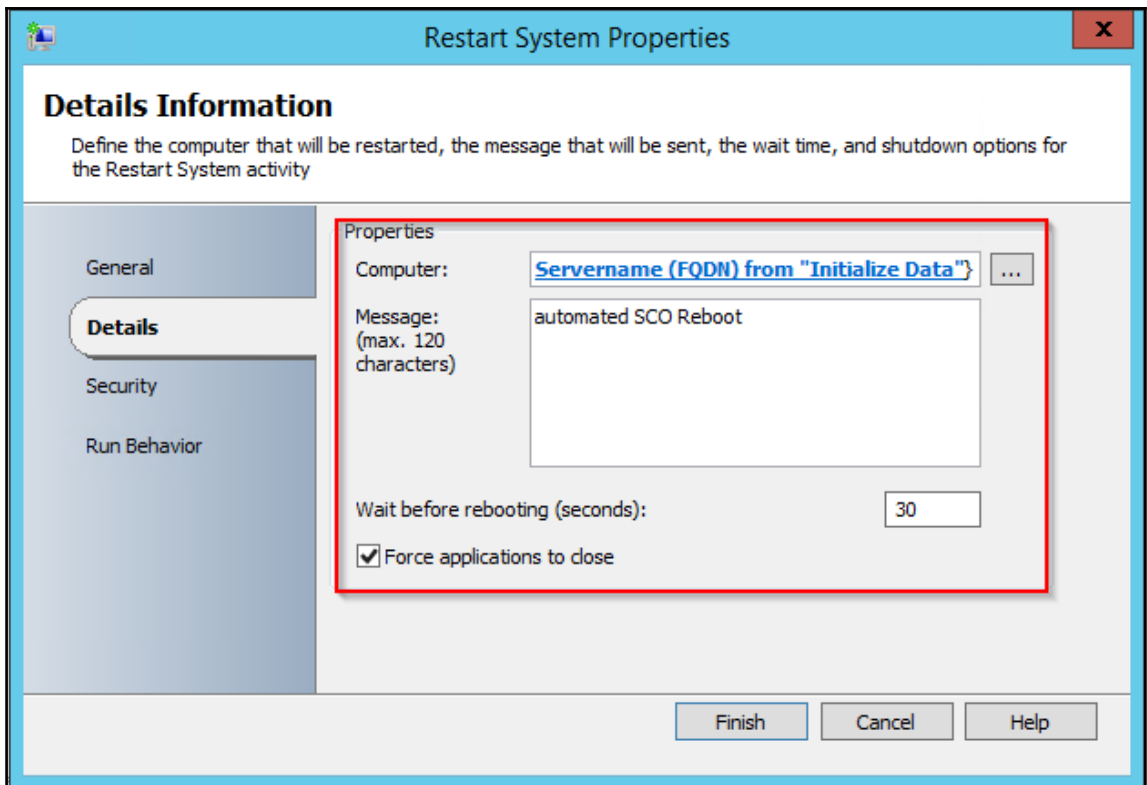


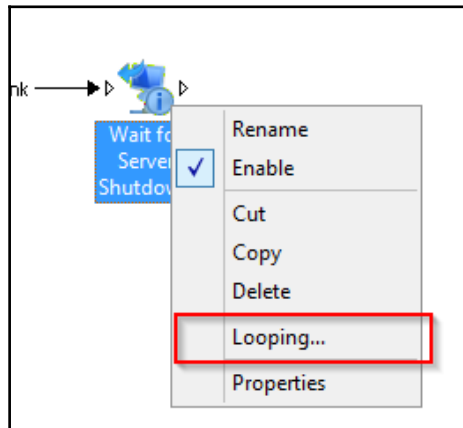
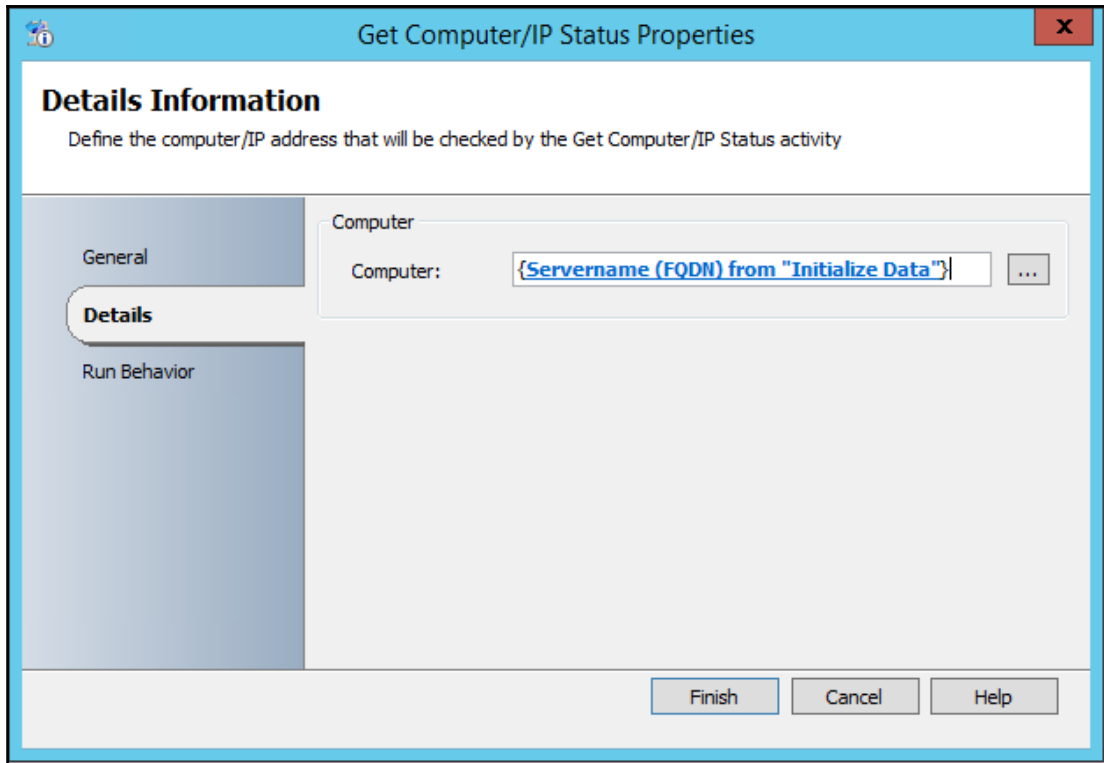


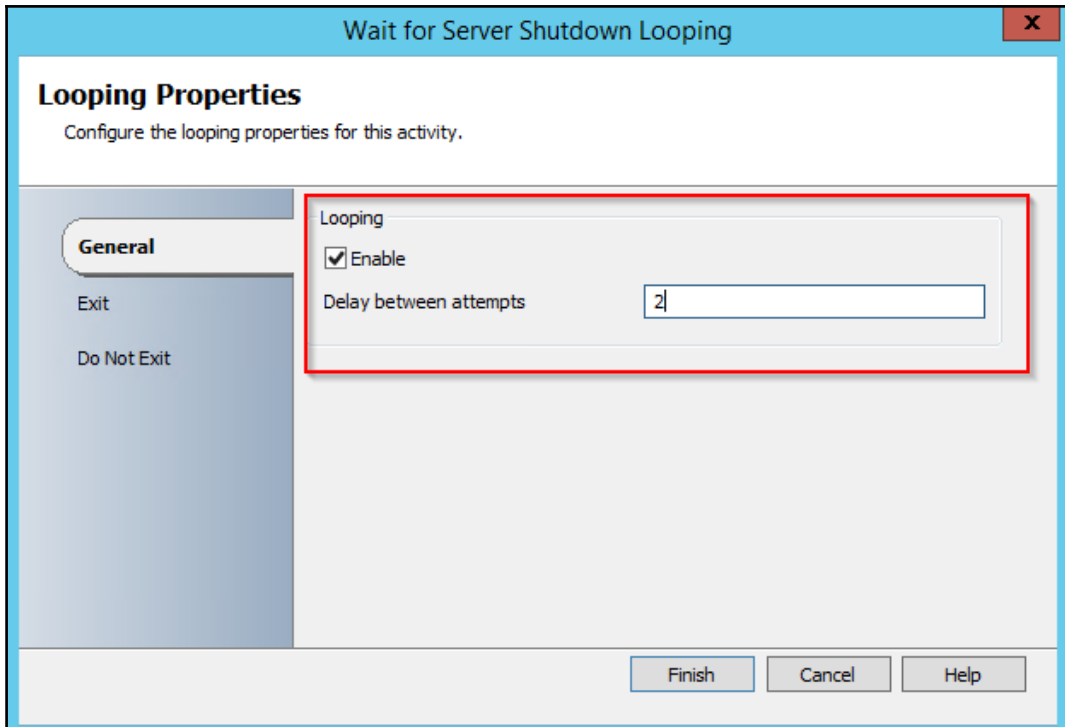


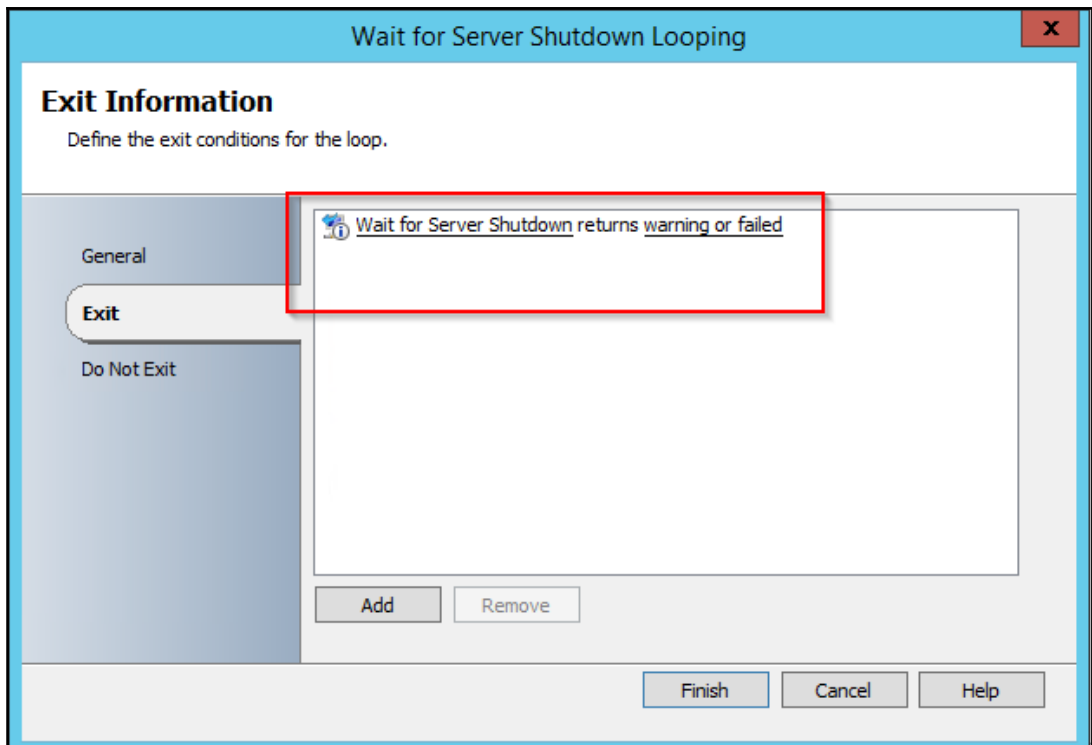


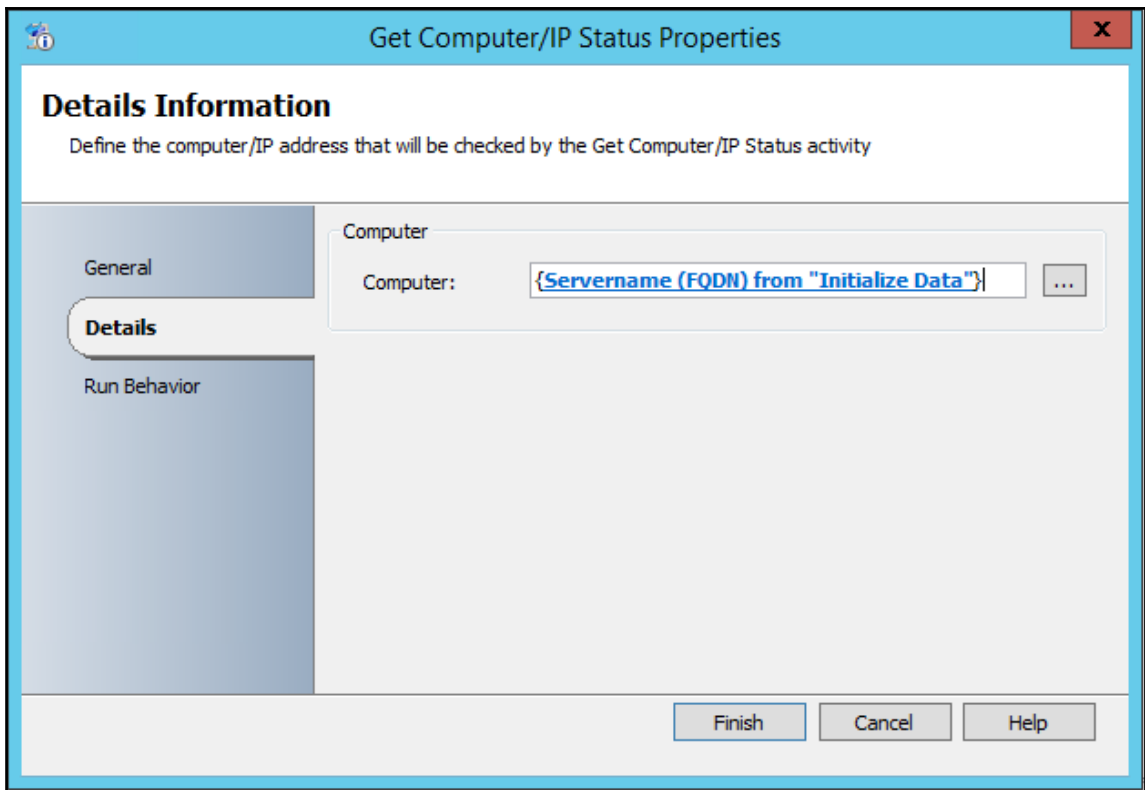


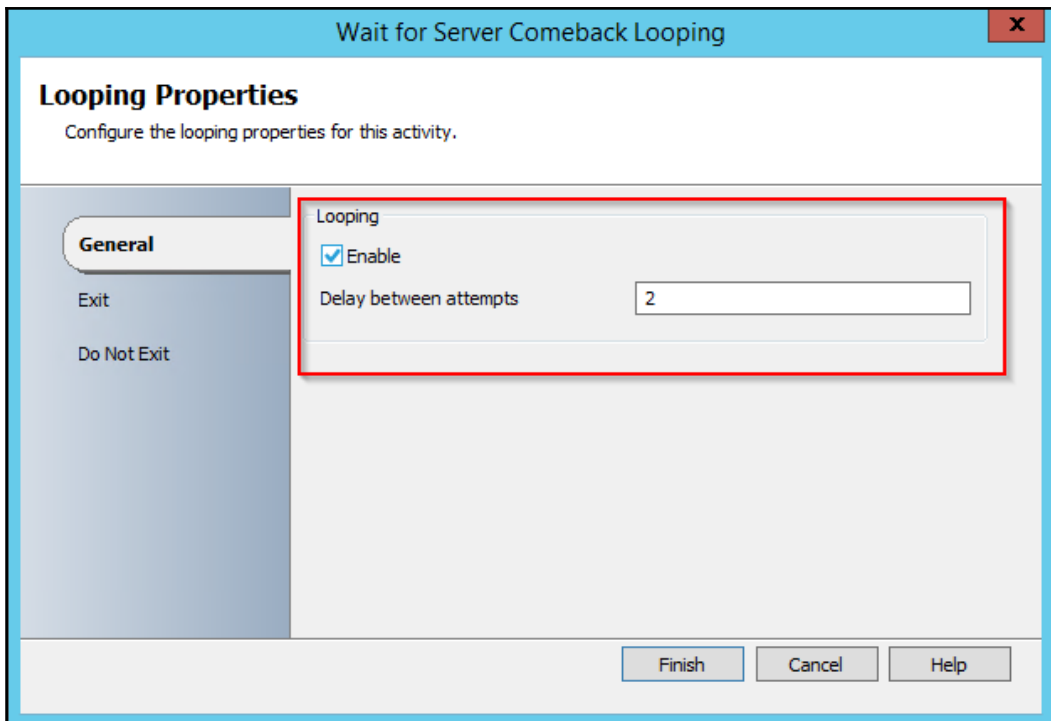


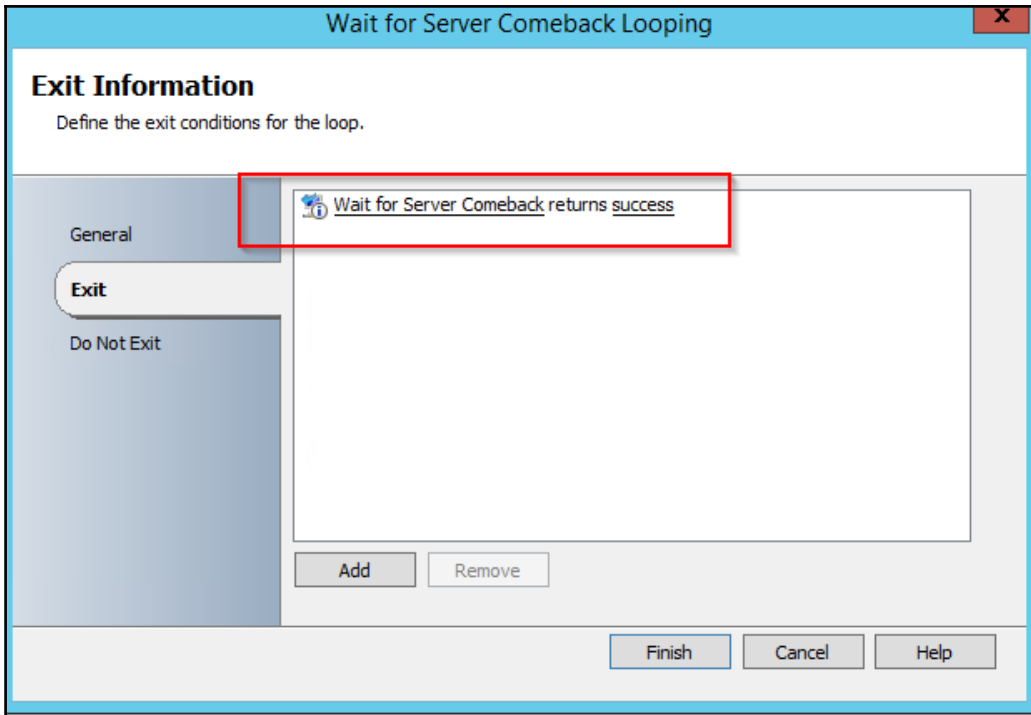


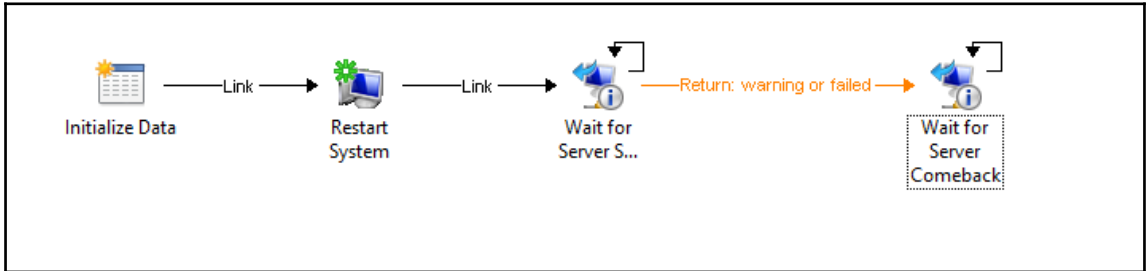
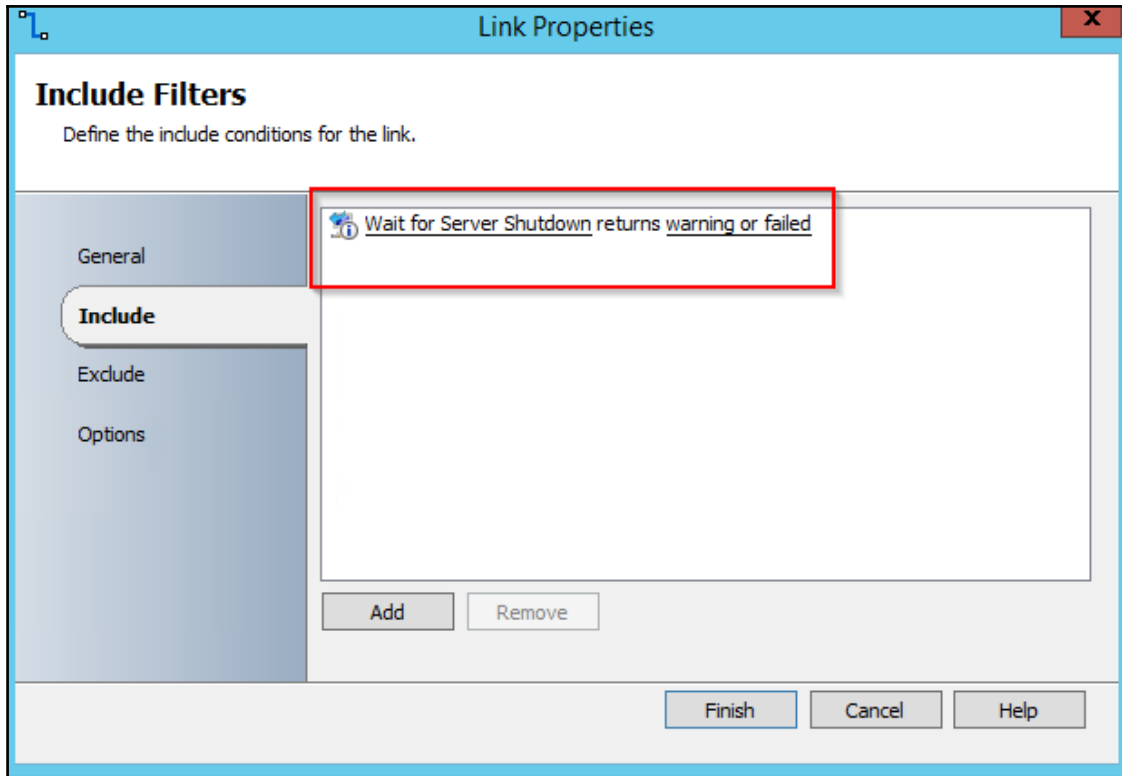


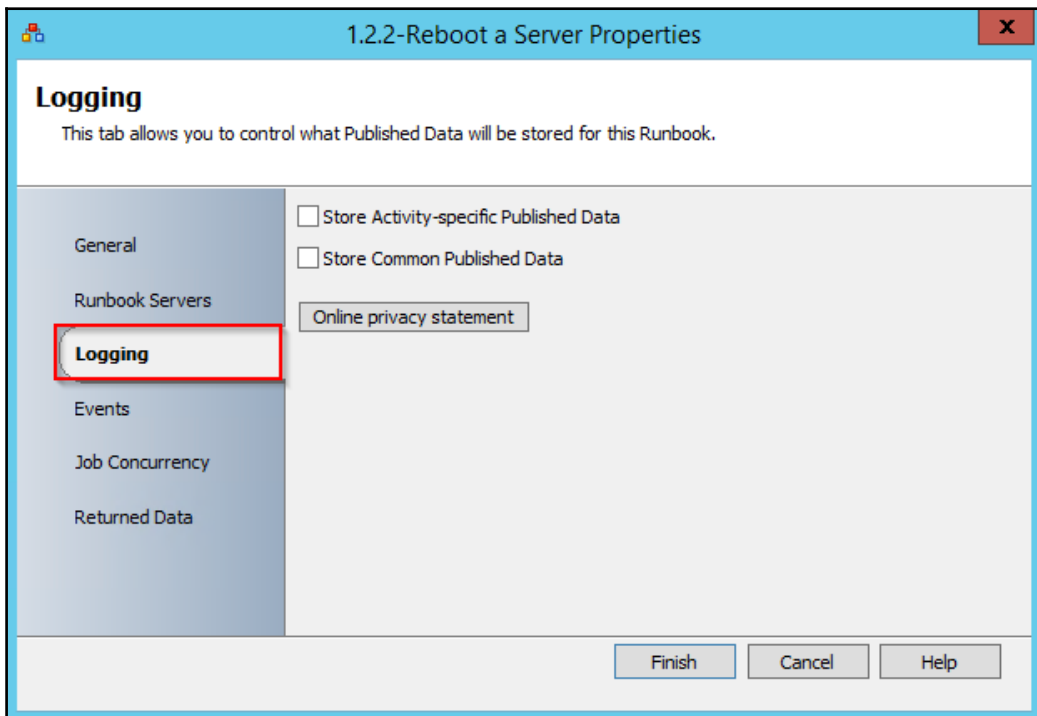
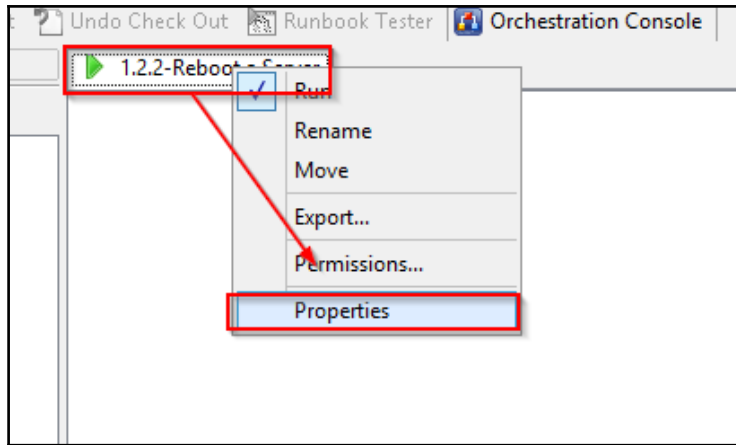


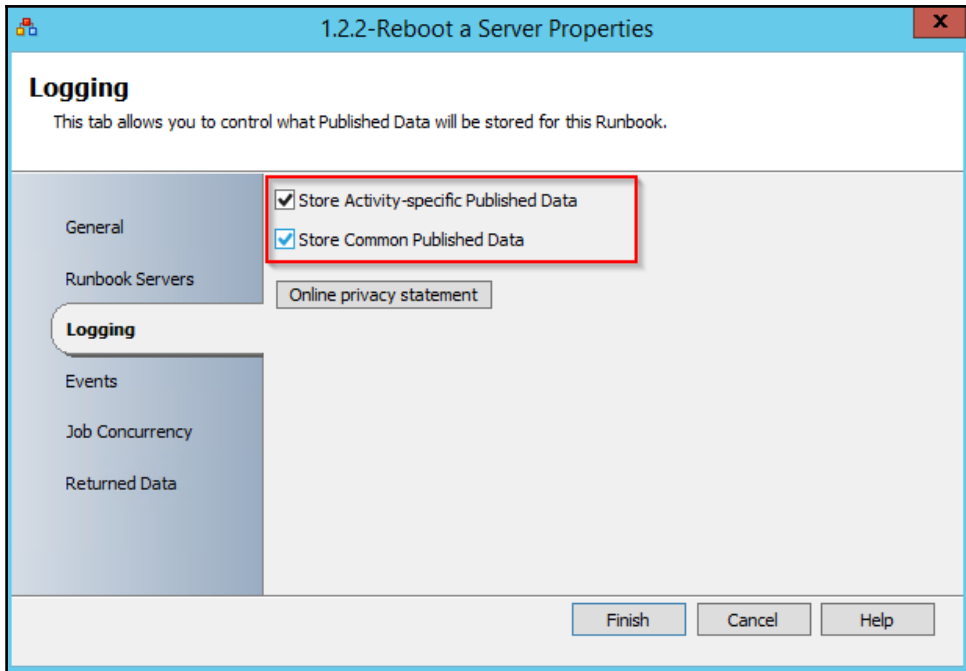






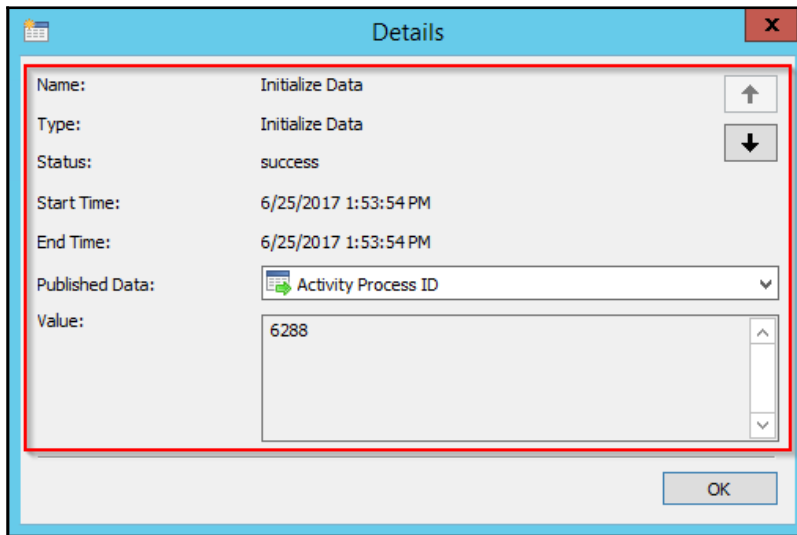
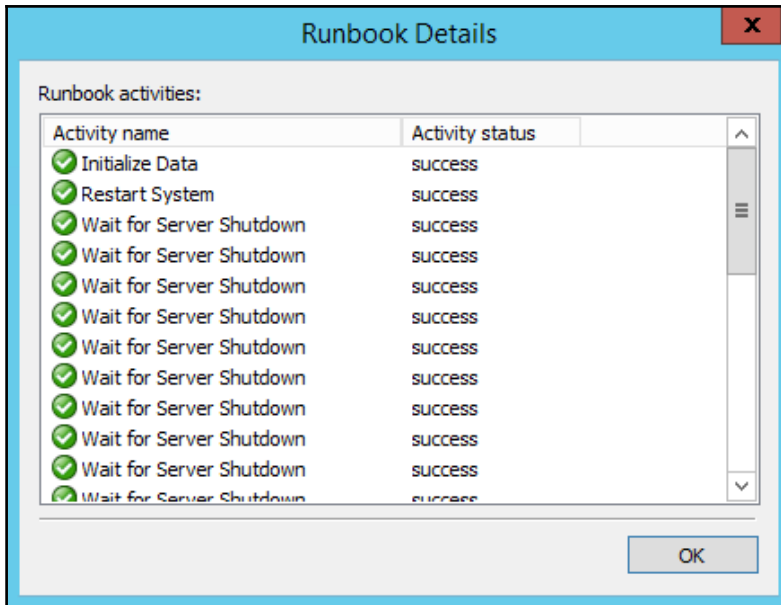


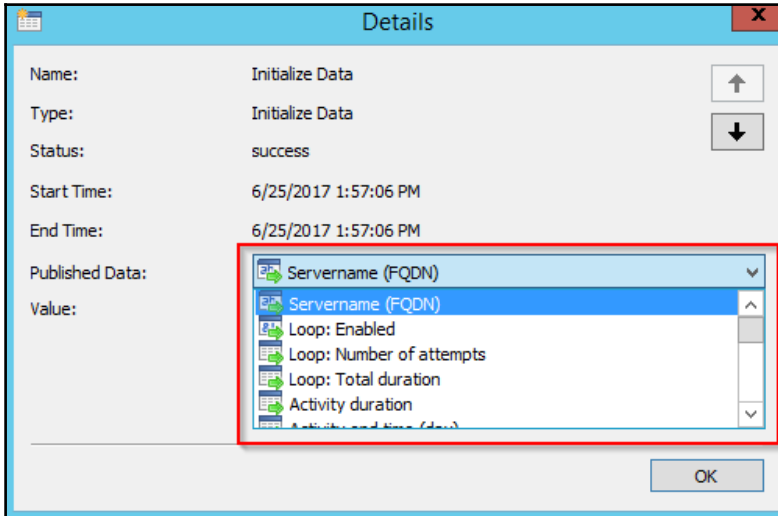
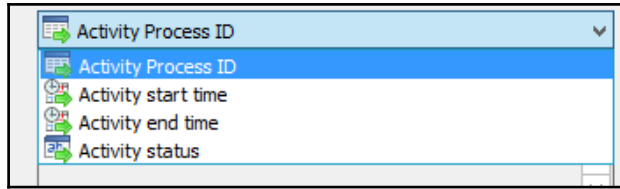


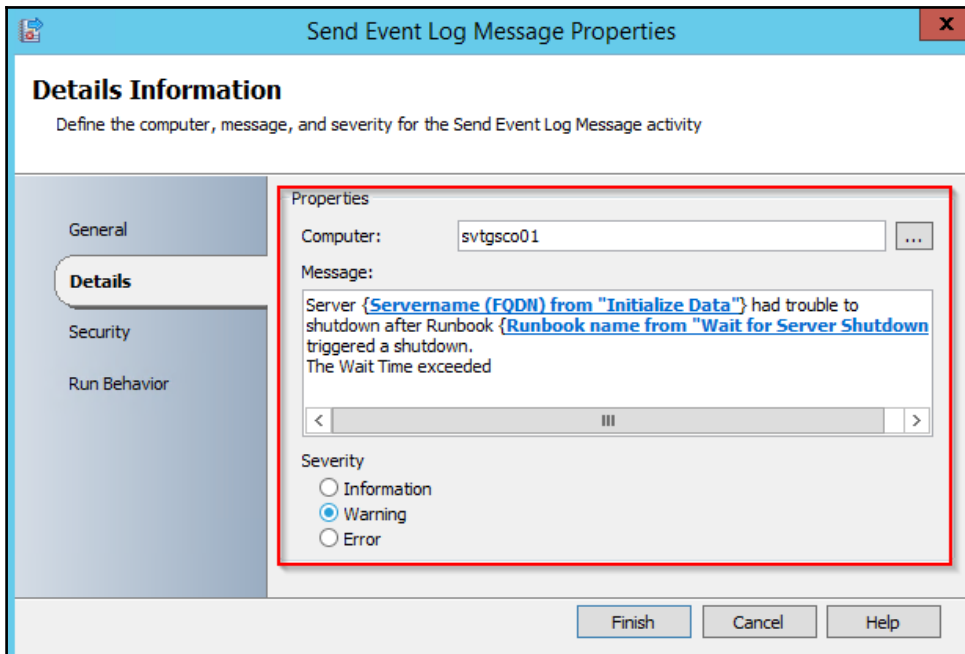
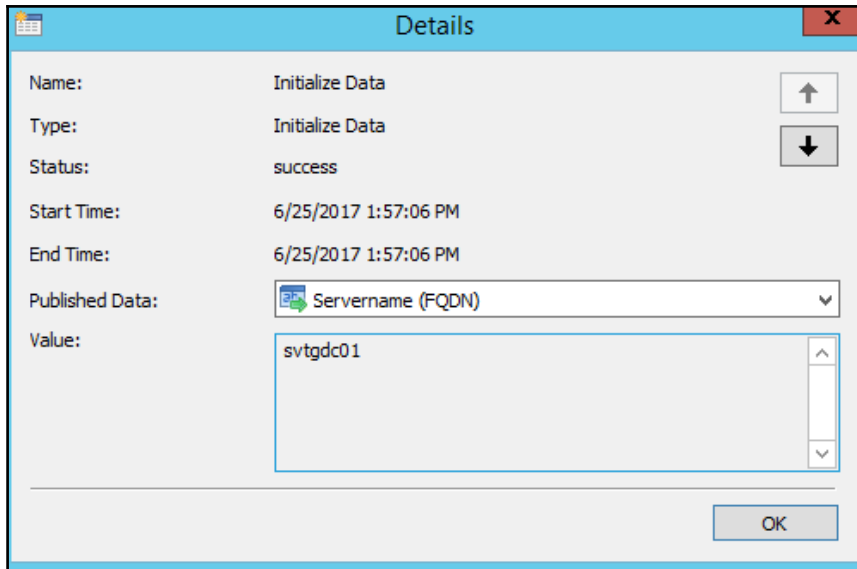


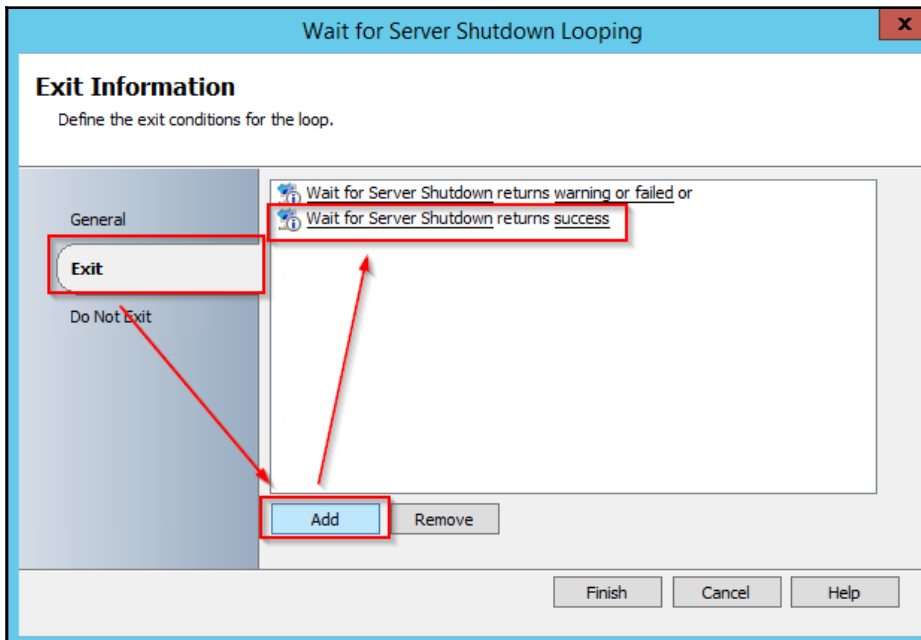
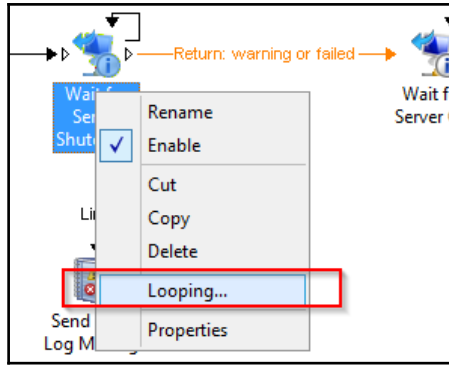
The screenshot shows a "Log History" window with a table of log entries. The table has three columns: "Start Time", "End Time", and "Status". Two entries are shown, both with a warning icon (yellow triangle with an exclamation mark) in the "Start Time" column.

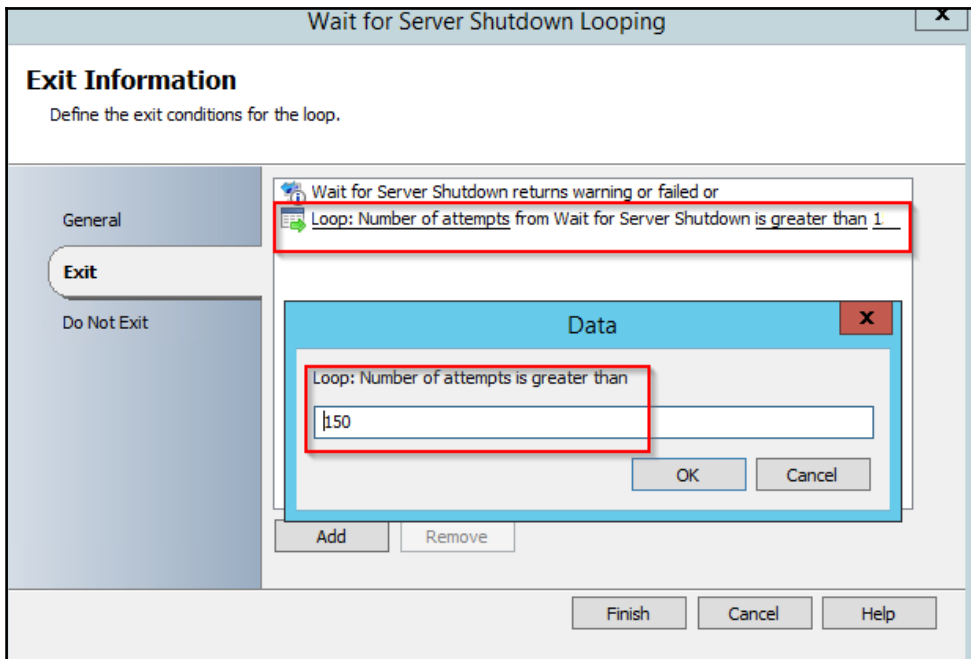
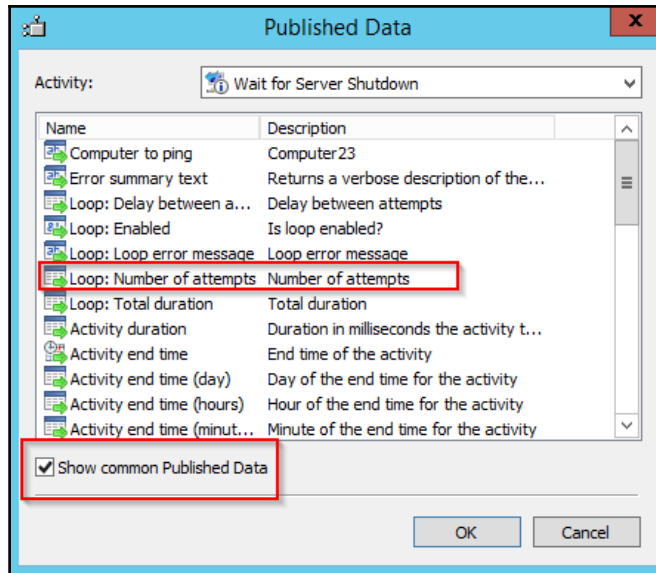
Start Time	End Time	Status
⚠ 6/25/2017 1:57:07 PM	6/25/2017 1:59:37 PM	warning
⚠ 6/25/2017 1:53:54 PM	6/25/2017 1:55:59 PM	warning

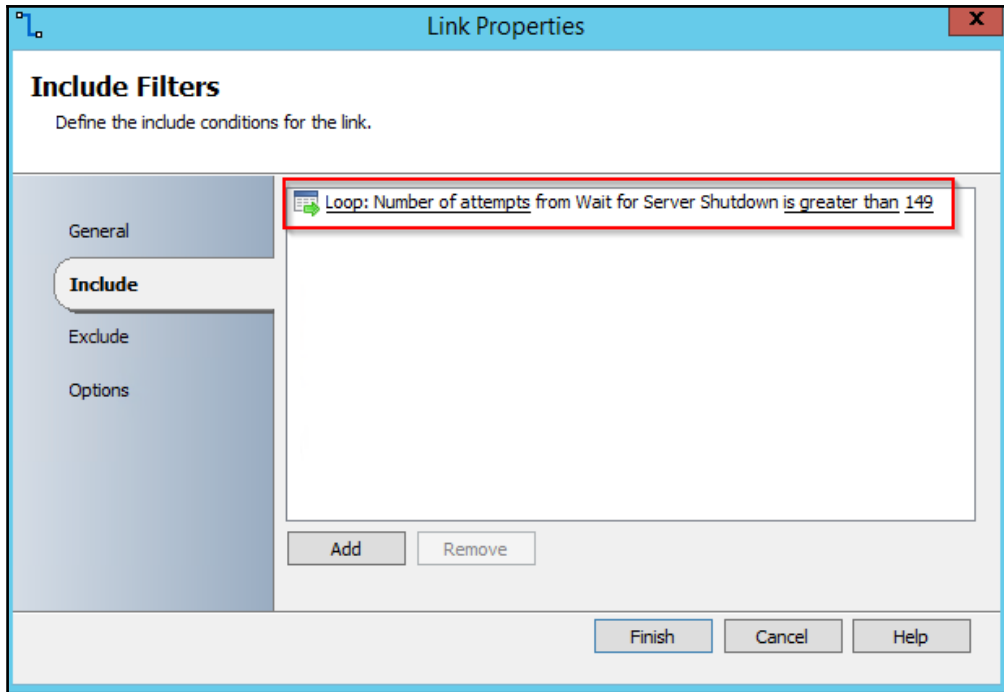


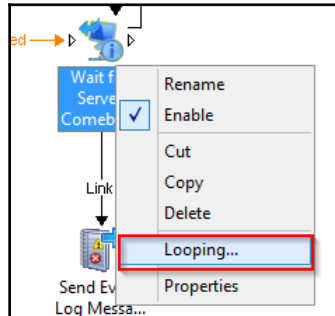
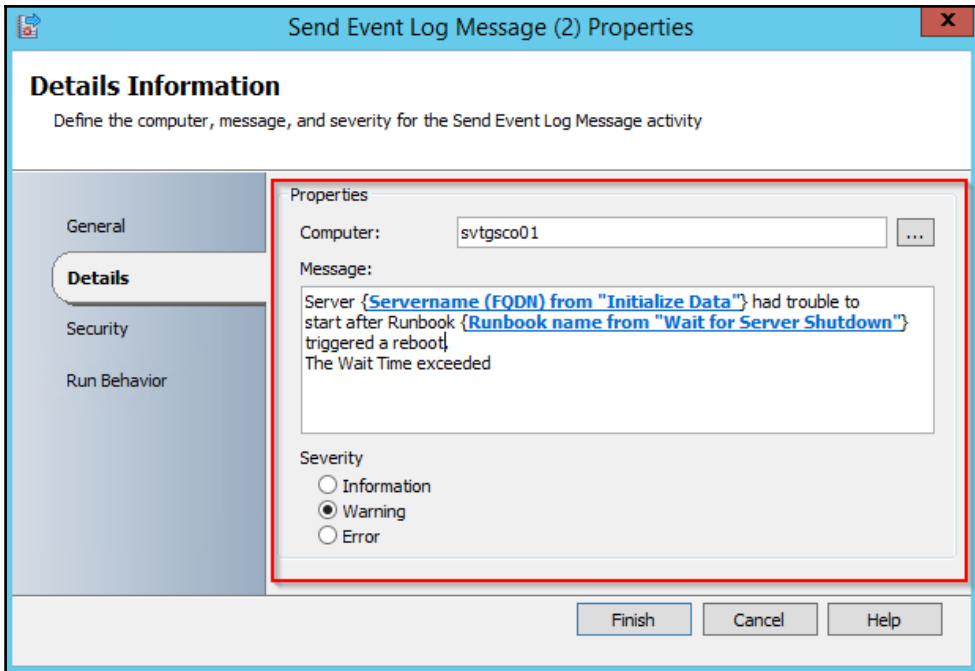


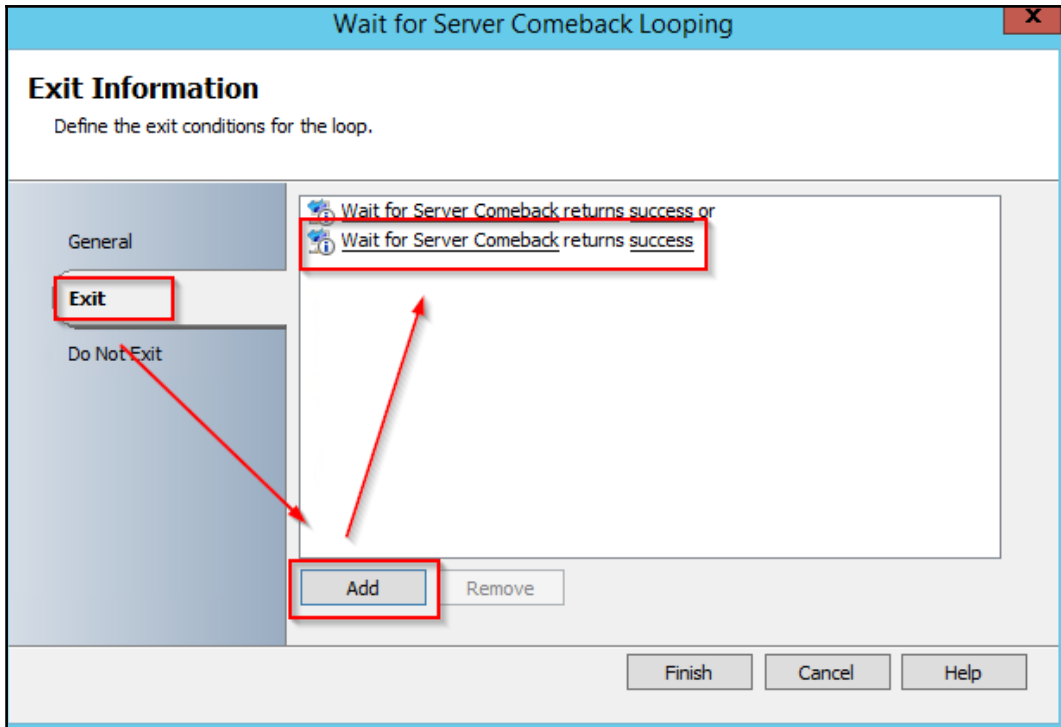


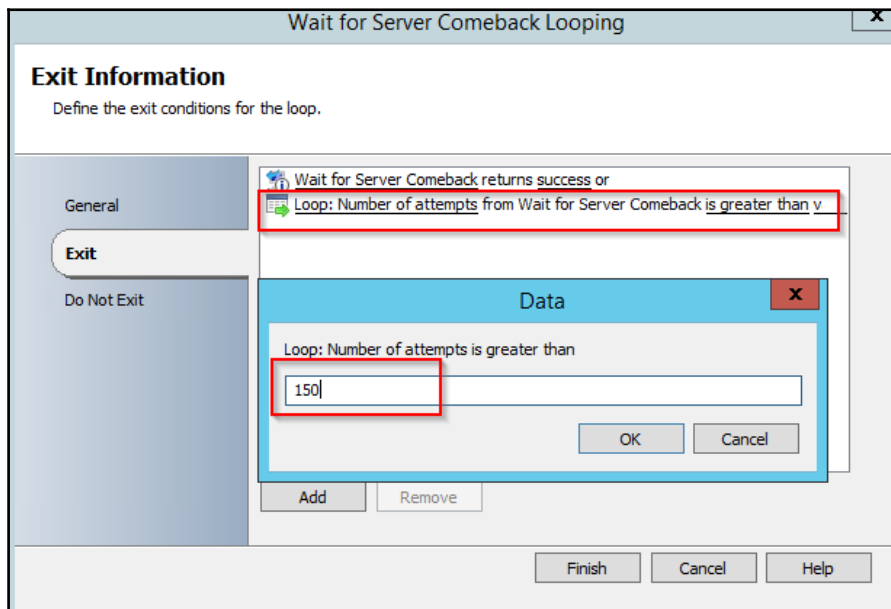
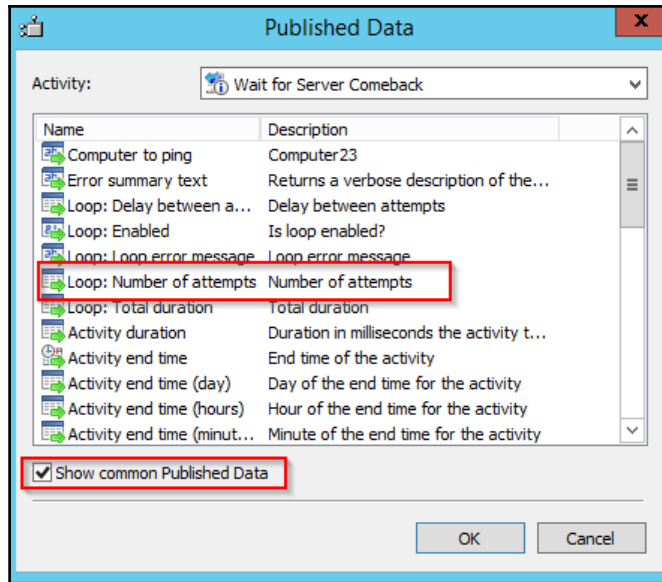


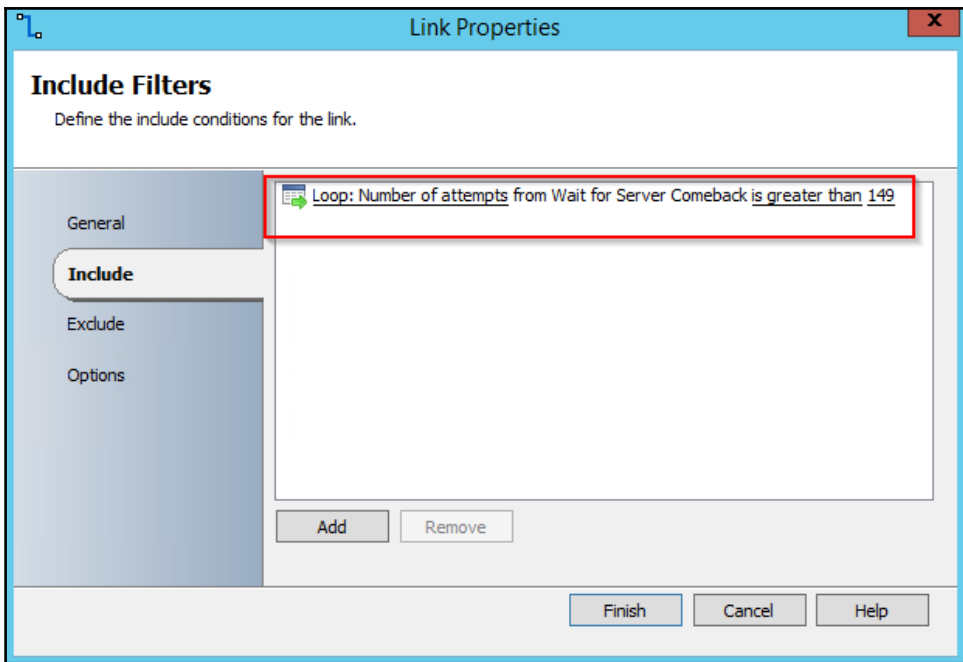


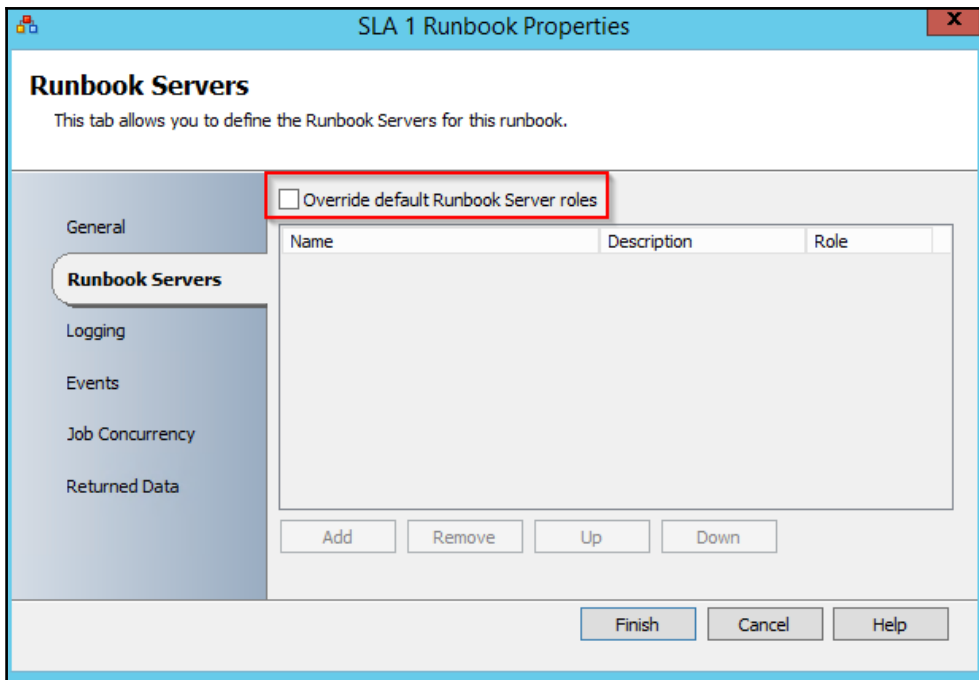


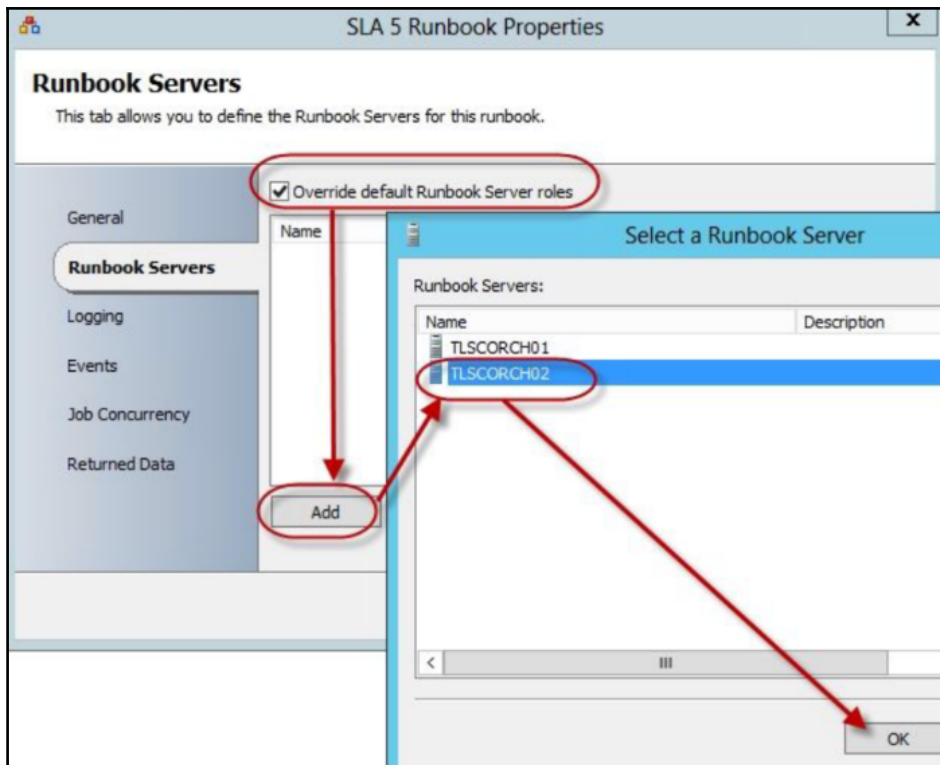




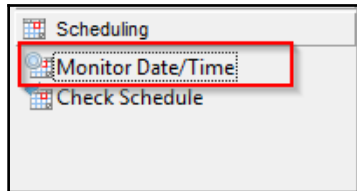
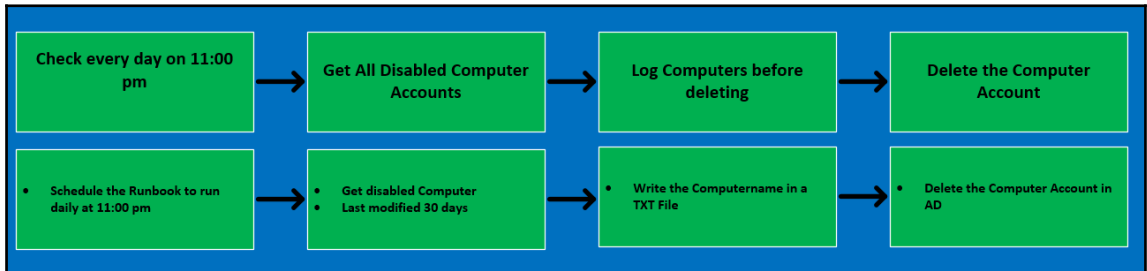


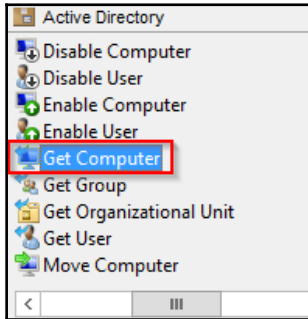
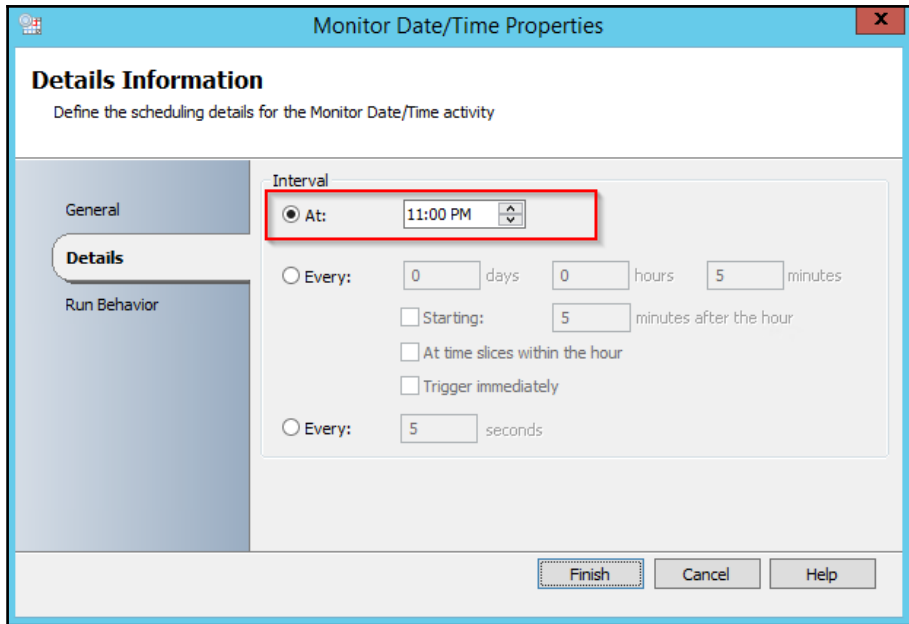


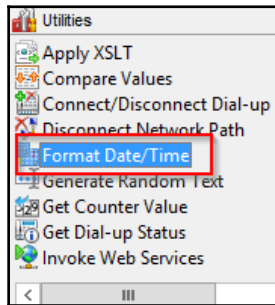
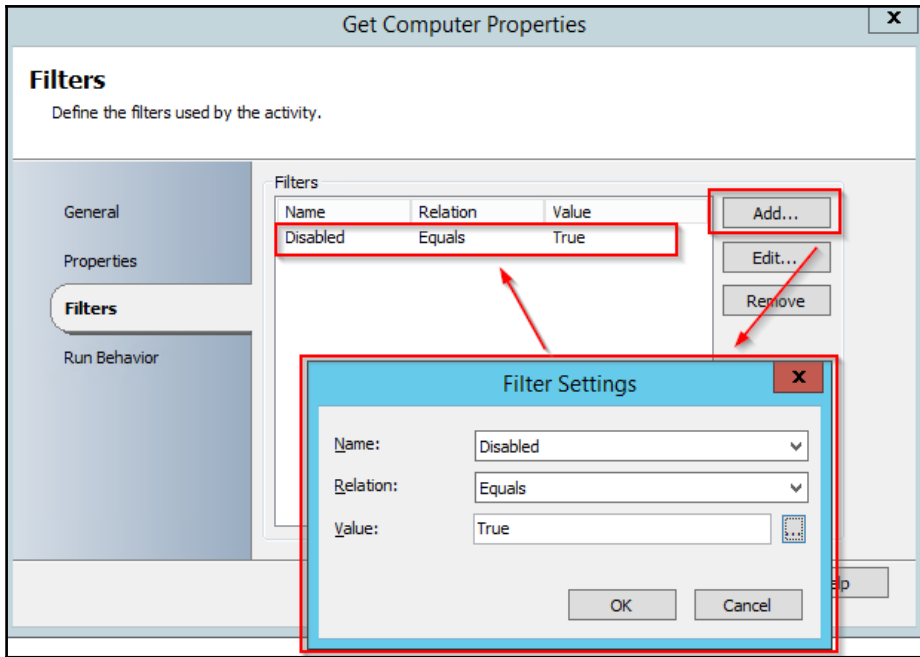


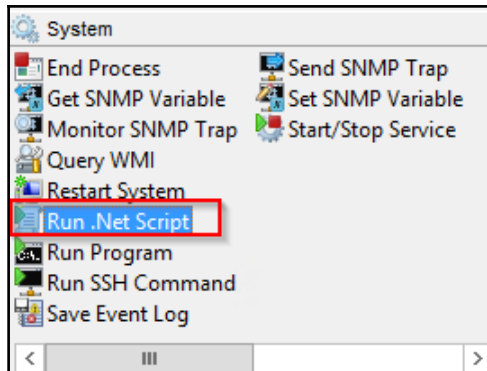


Chapter 5: Simple Runbooks for Your Daily Tasks









```
#Set ComputerDN variable to Distinguished Name from "Get Computer" activity
$ComputerDN = "{Distinguished Name from "Get Computer"}"

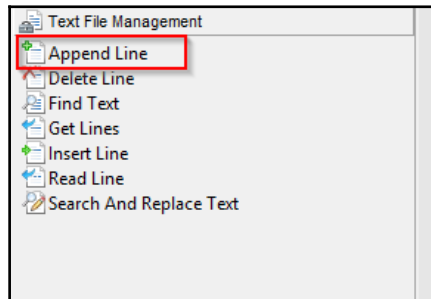
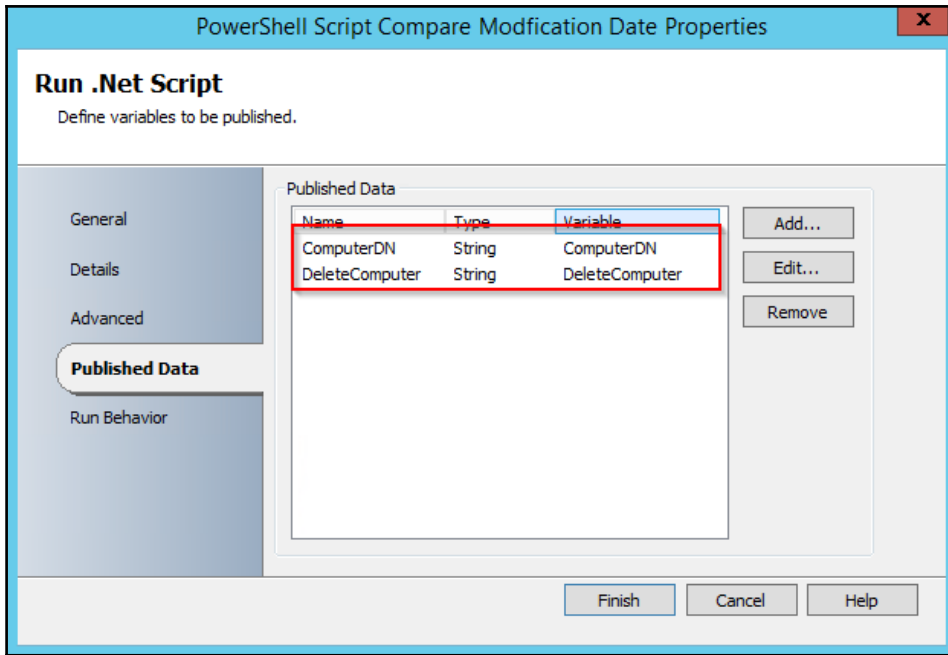
#Set LastmodifiedDate variable
$LastmodifiedDate = "{Format Result from "Format Date/Time"}"

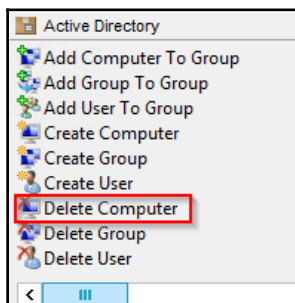
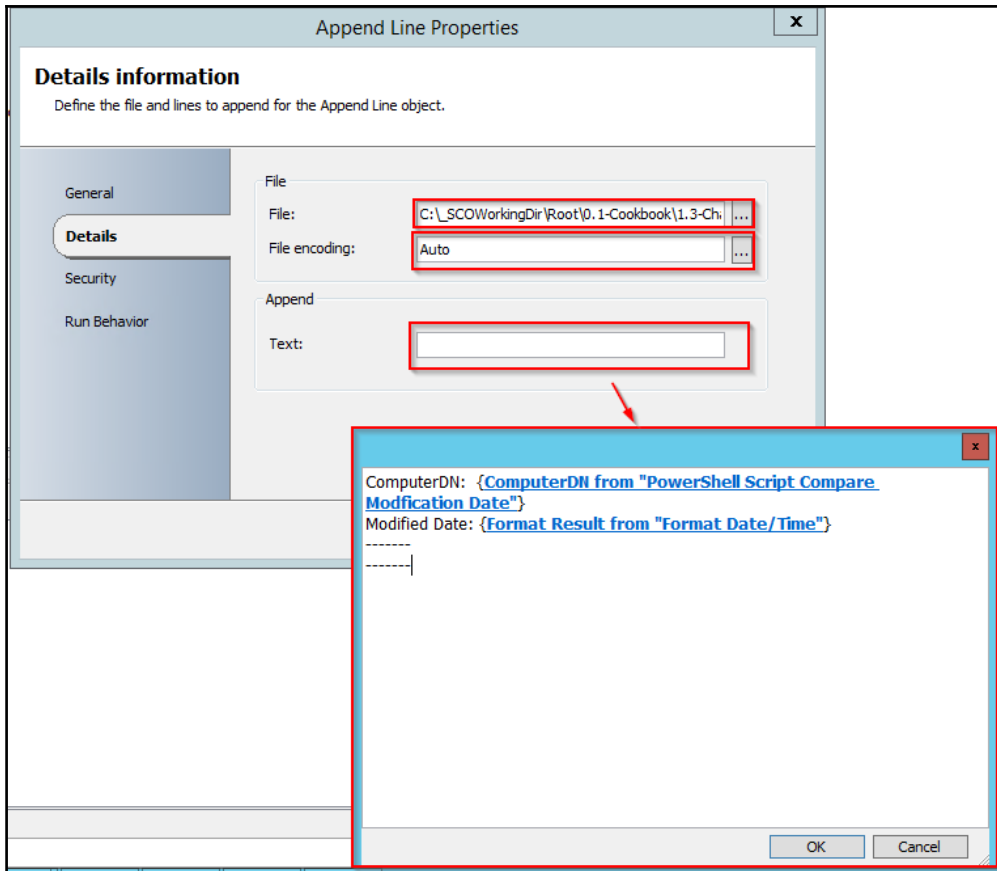
#Get the current date -30 days and format the date
$BeforeDate = (Get-Date).AddDays(-30).ToString("dd/MM/yyyyHH:mm:ss")

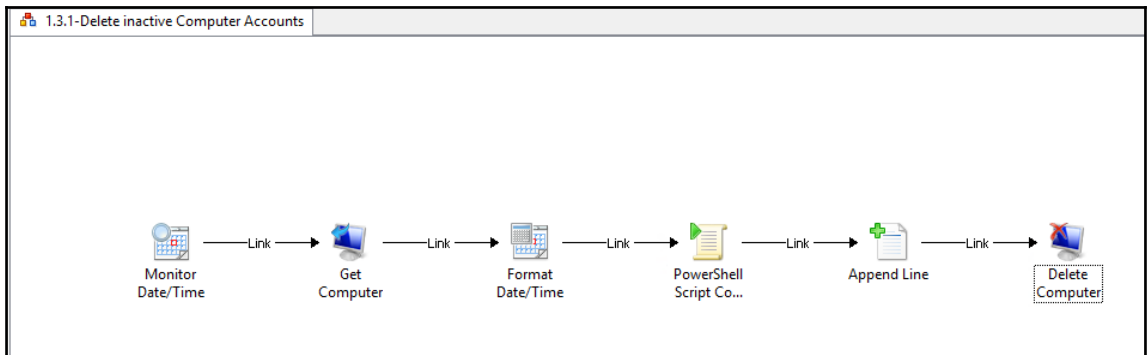
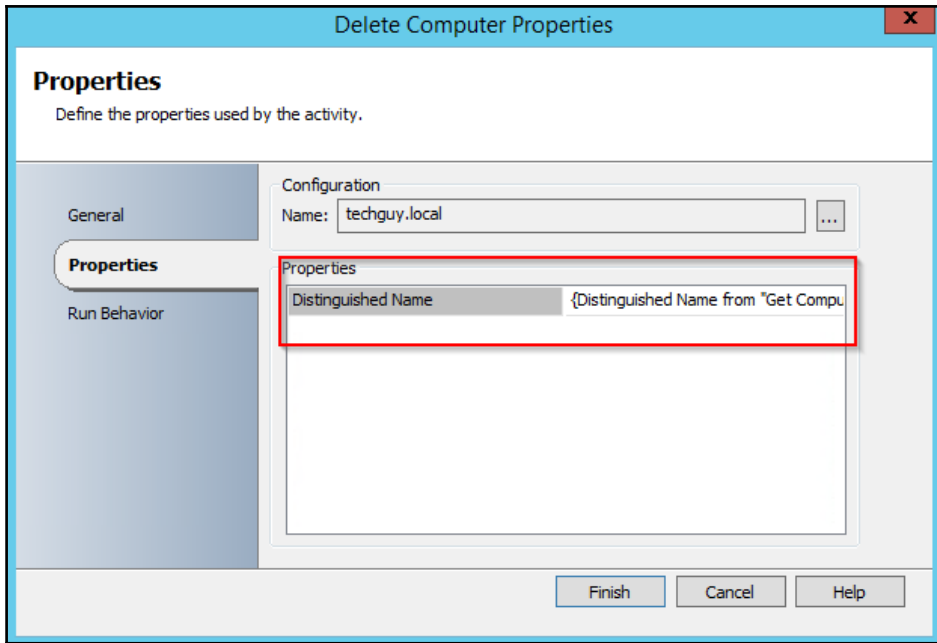
#If LastModifiedDate is less the Before date set DeleteComputer variable TRUE
IF ($LastmodifiedDate -lt $BeforeDate)
{
$DeleteComputer = "TRUE"
}

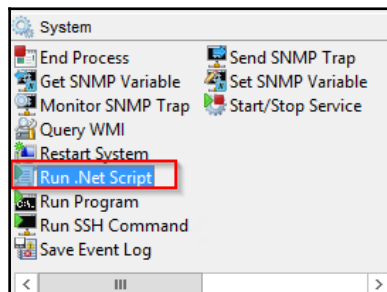
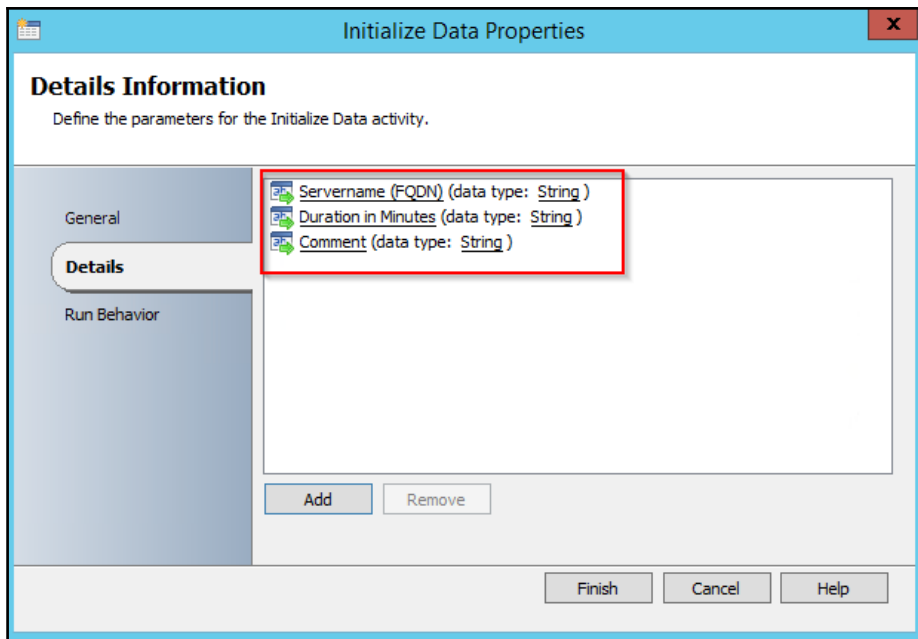
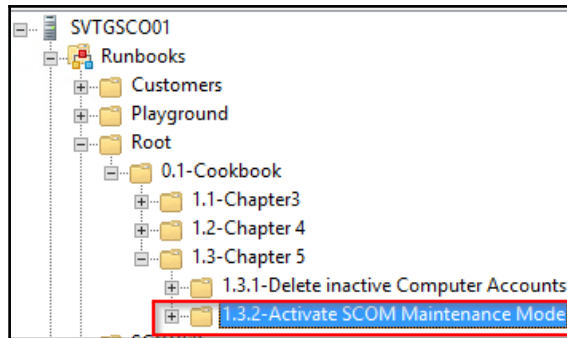
#If LastModifiedDate is greater thanBefore date set DeleteComputer variable FALSE
ELSE
{
$DeleteComputer = "FALSE"
}
}
```

OK Cancel









```
#Configure your User to connect with PowerShell Remote
$User="{SCOM Service User Username}"

#Configure your Password to connect with PowerShell Remote
$password = ConvertTo-SecureString -AsPlainText '{SCOM Service User Password}' -Force

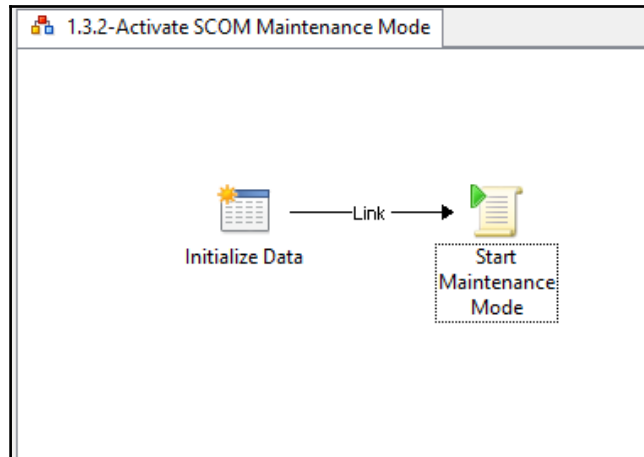
#Create a Credential Object
$Credential = New-Object System.Management.Automation.PsCredential($user,$password)

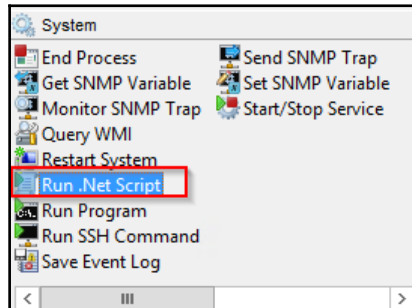
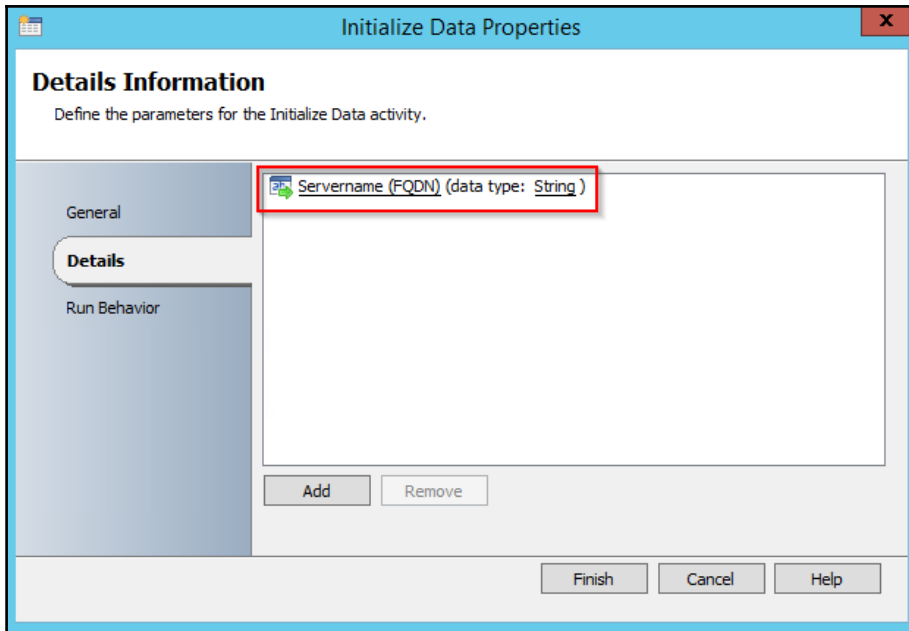
#Define the PowerShell Session
$session=New-PSSession -ComputerName "{SCOM Servername (FQDN)}" -Credential $Credential -ConfigurationName
Microsoft.PowerShell32

#Invoke that PowerShell Session
Invoke-Command -Session $session -scriptblock {

#The Server which we would like to activate the MM
$Servername="{Servername (FQDN) from "Initialize Data"}"

#Activate SCOM Maintenance Mode for Server, in Minutes and the Comment
Get-SCOMClassInstance $Servername | where {$_.InMaintenanceMode -eq $false} | Start-SCOMMaintenanceMode -EndTime (Get-
Date).AddMinutes({Duration in Minutes from "Initialize Data"}) -Comment "{Comment from "Initialize Data"}" -ErrorAction
SilentlyContinue
|
}
```





```
#Configure your User to connect with PowerShell Remote
$User="{SCOM Service User Username}"

#Configure your Password to connect with PowerShell Remote
$password = ConvertTo-SecureString -AsPlainText '{SCOM Service User Password}' -Force

#Create a Credential Object
$Credential = New-Object System.Management.Automation.PsCredential($user,$password)

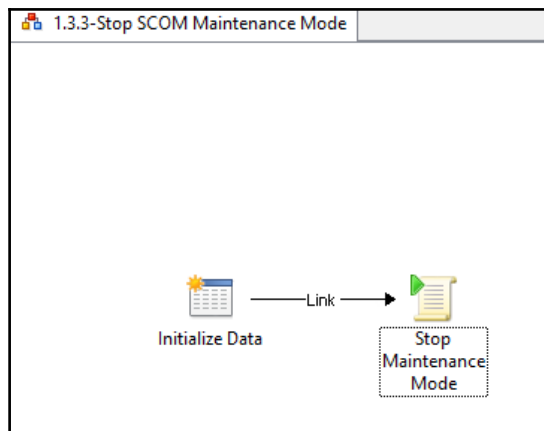
#Define the PowerShell Session
$session=New-PSSession -ComputerName "{SCOM Servername (FQDN)}" -Credential $Credential -ConfigurationName Microsoft.PowerShell32

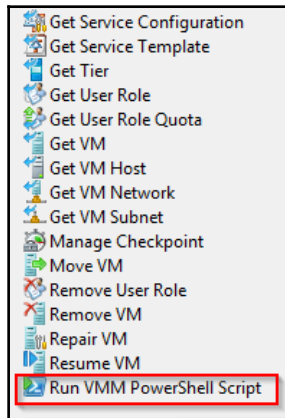
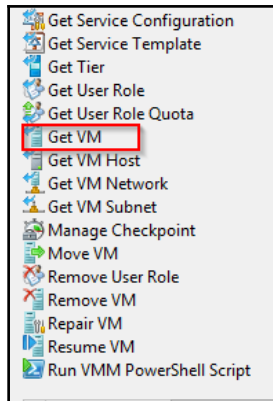
#Invoke that PowerShell Session
Invoke-Command -Session $session -scriptblock {

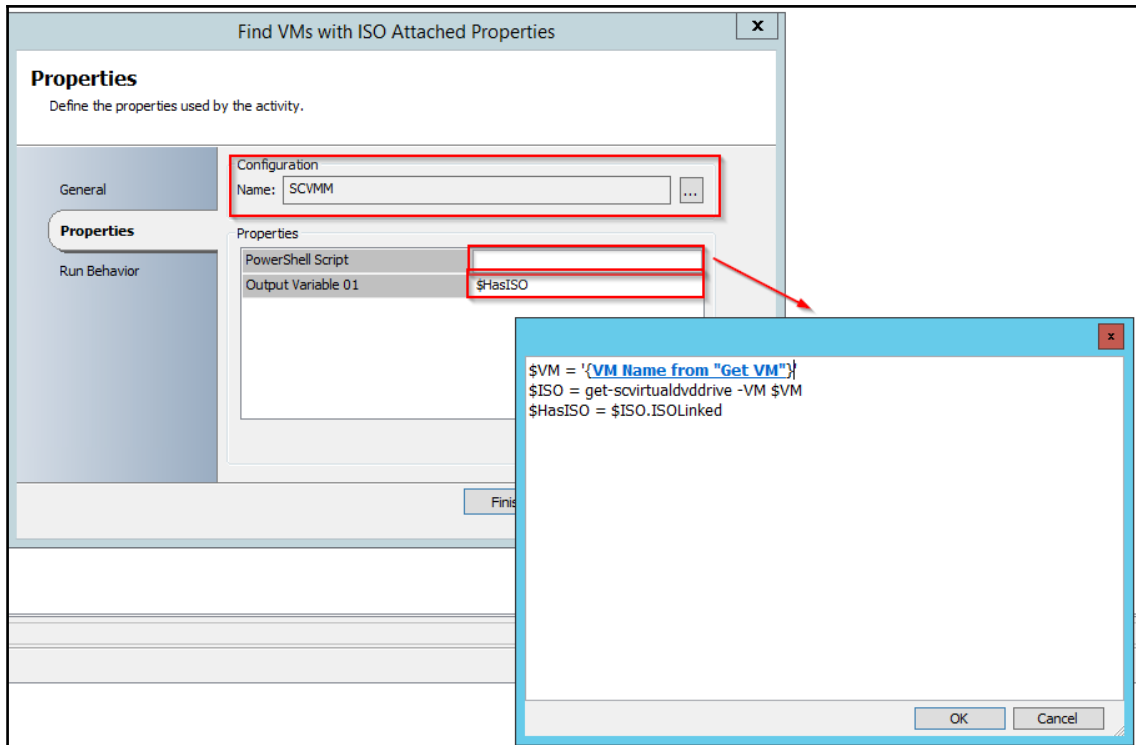
#The Server which we would like to stop the MM
$Servername="{Servername (FQDN) from "Initialize Data"}"

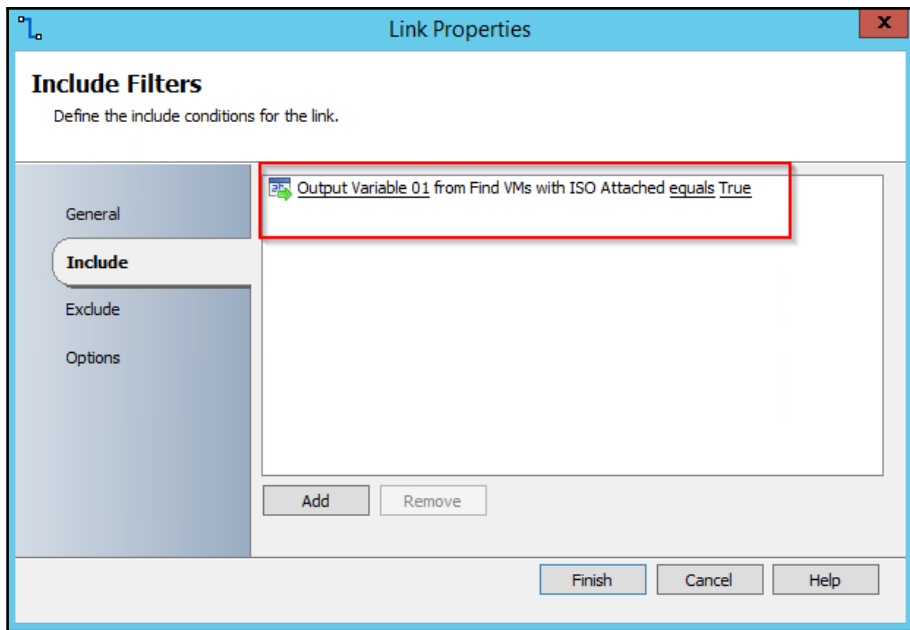
#Stop MM for Server|
Get-SCOMClassInstance $Servername | where {$_.InMaintenanceMode -eq $true} | Get-SCOMMaintenanceMode | Set-SCOMMaintenanceMode -
EndTime (Get-Date) -Comment "Stop MaintenanceMode"

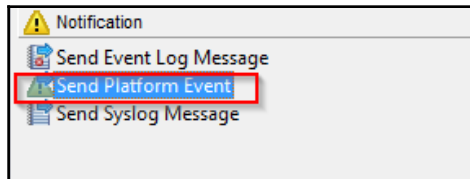
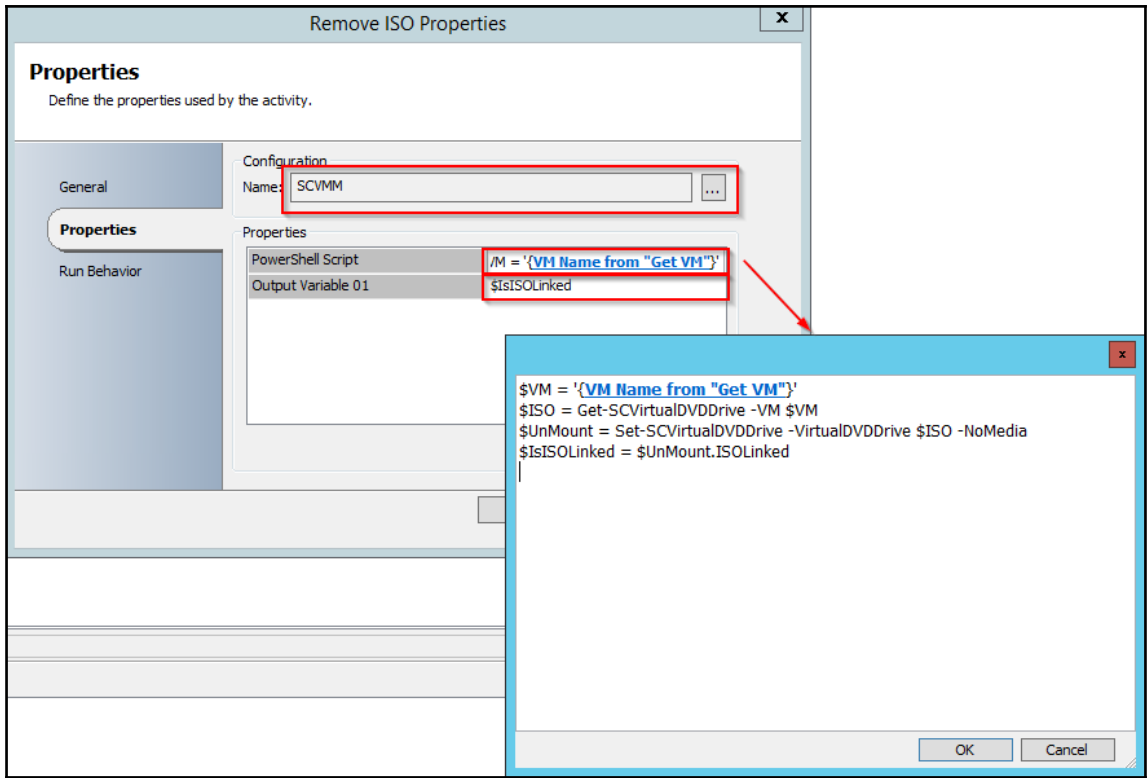
}
```

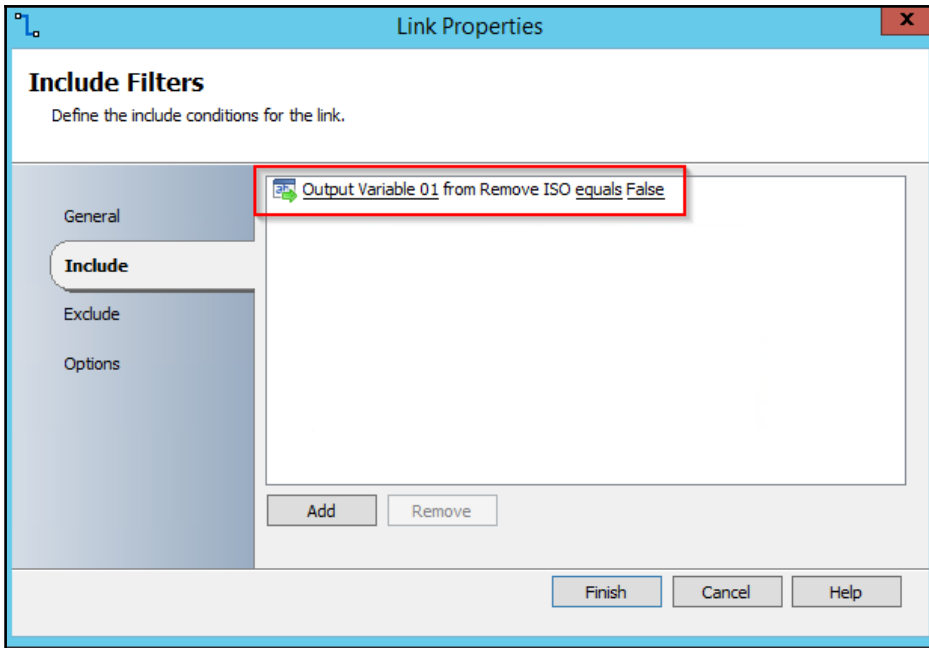


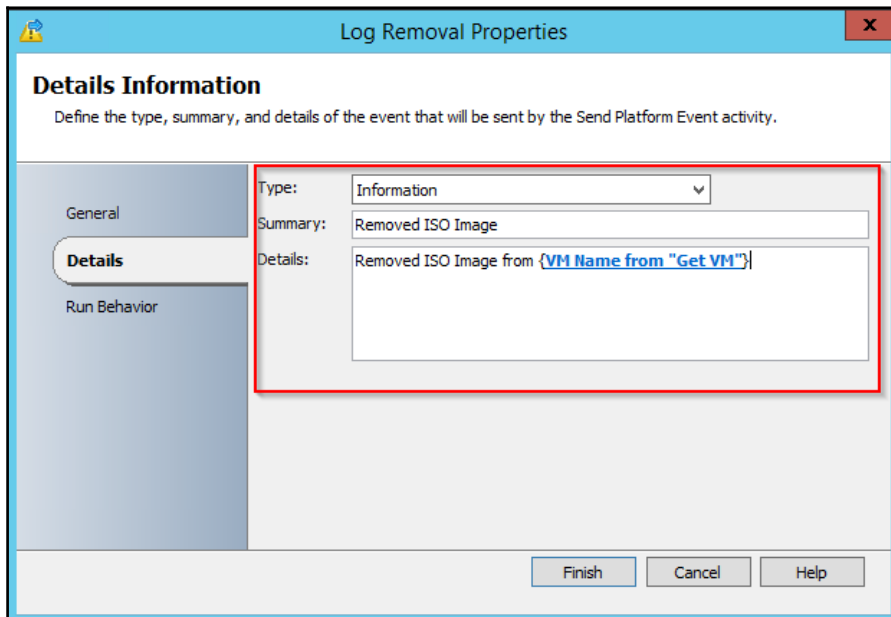
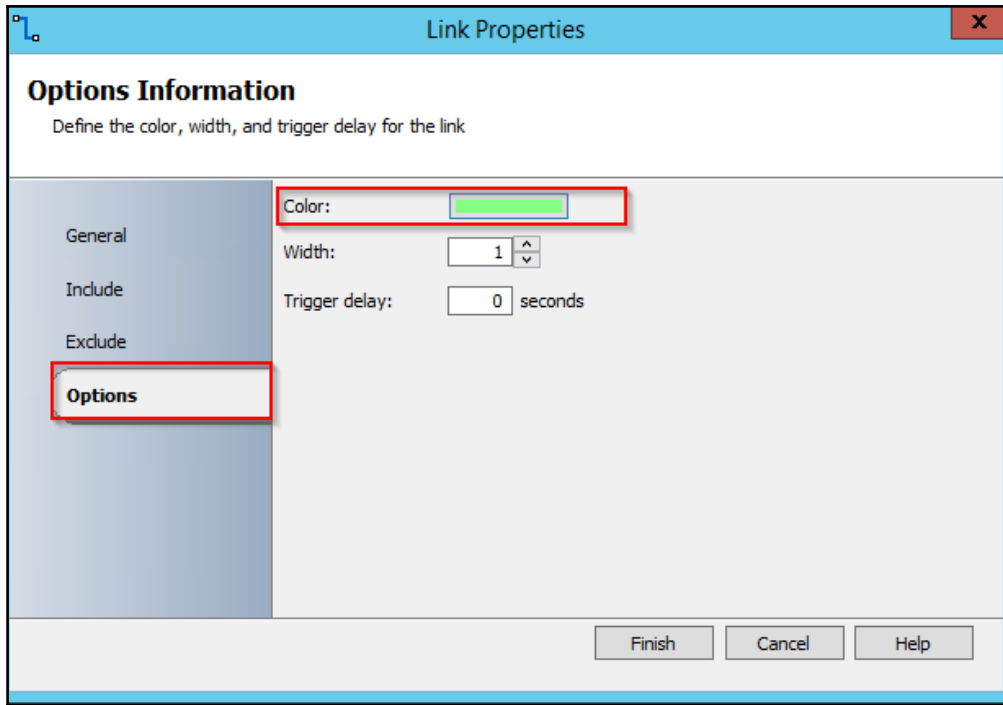


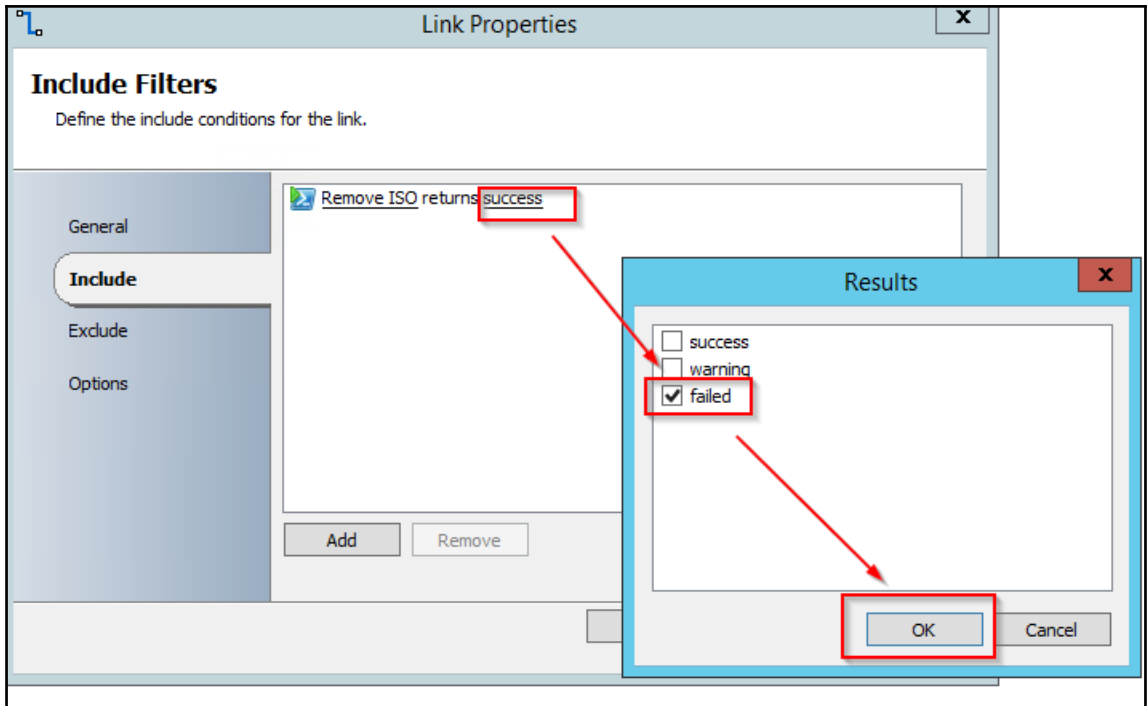


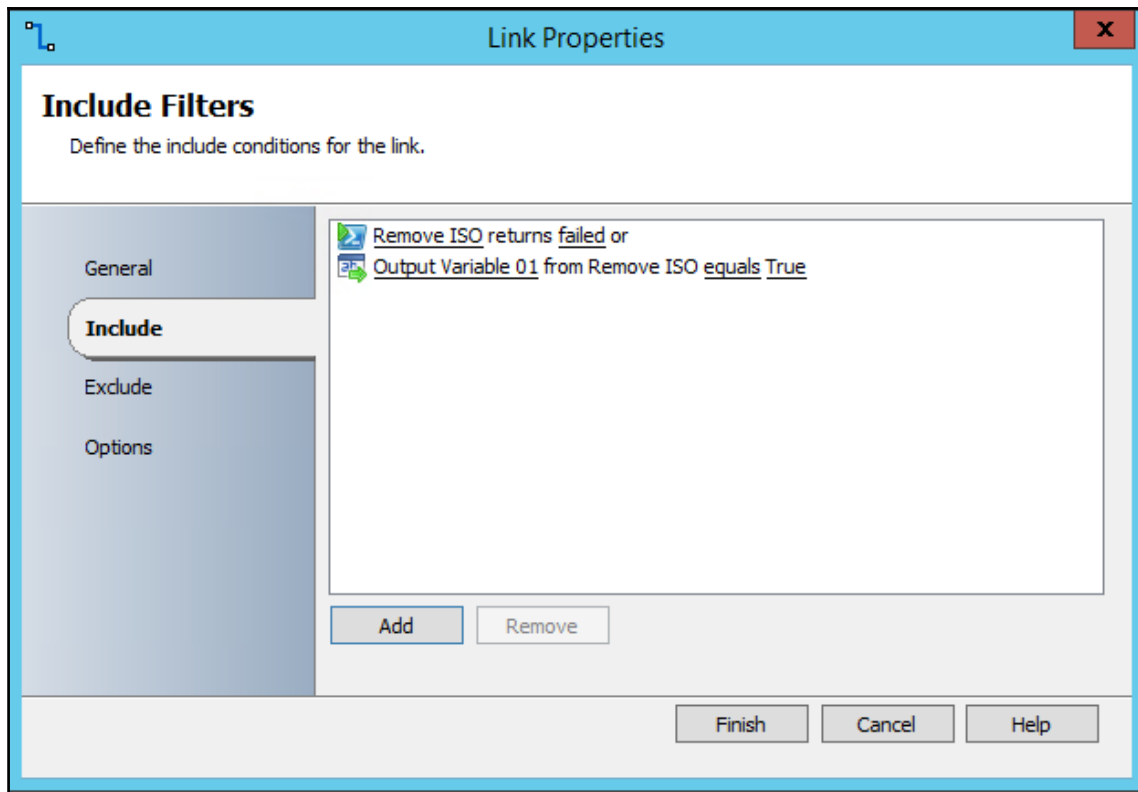


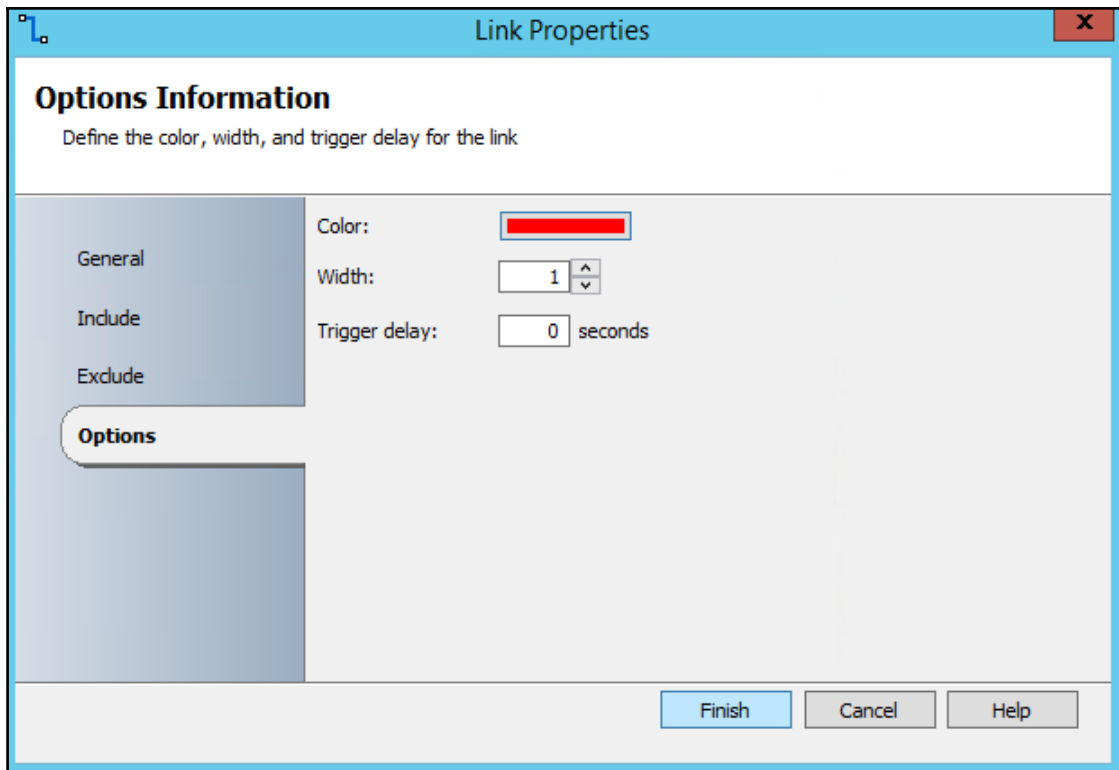


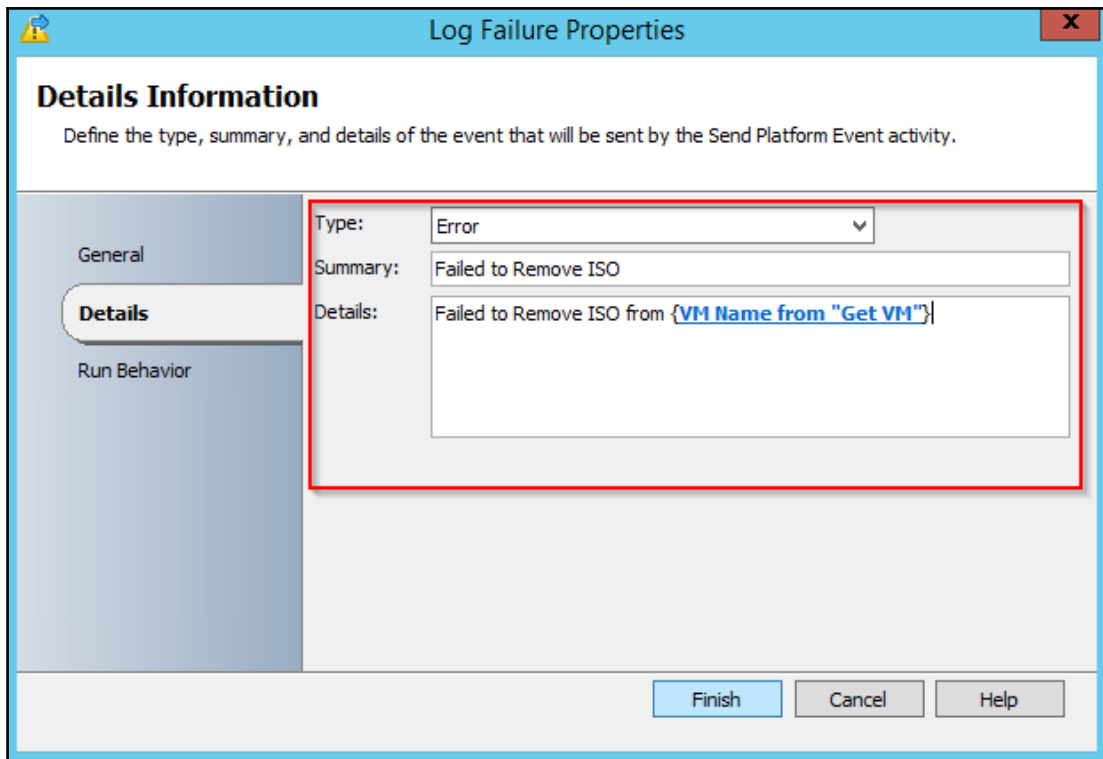


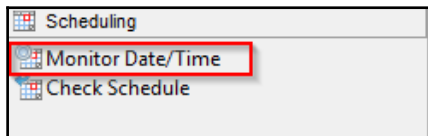
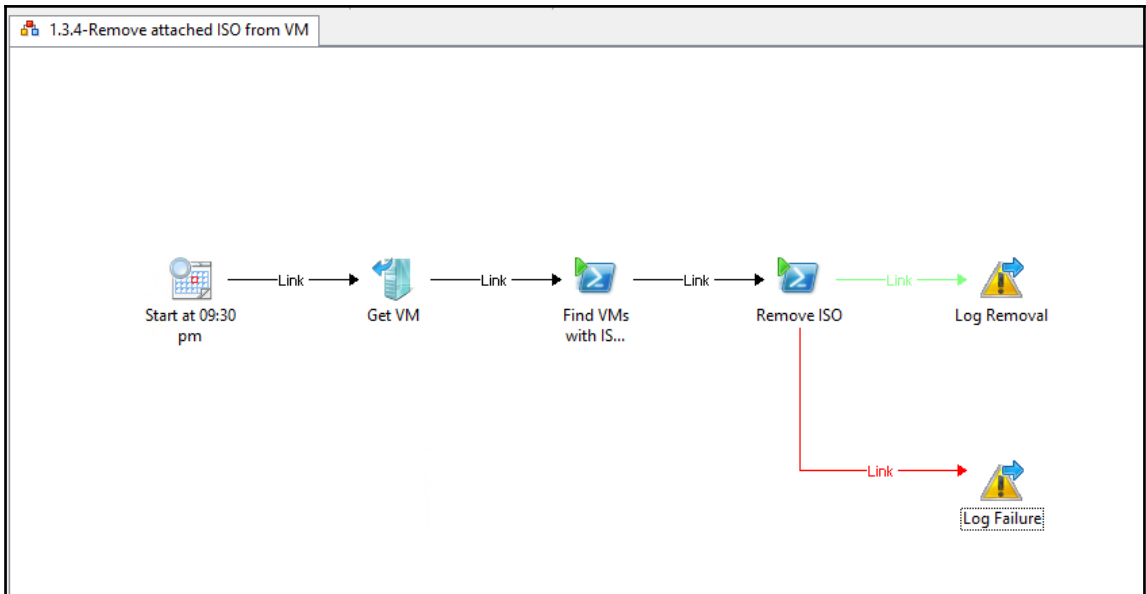


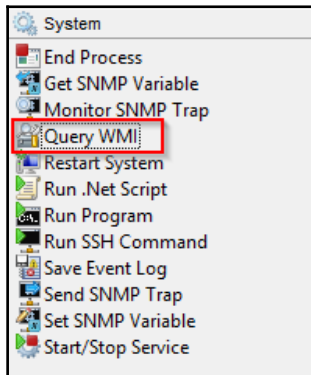
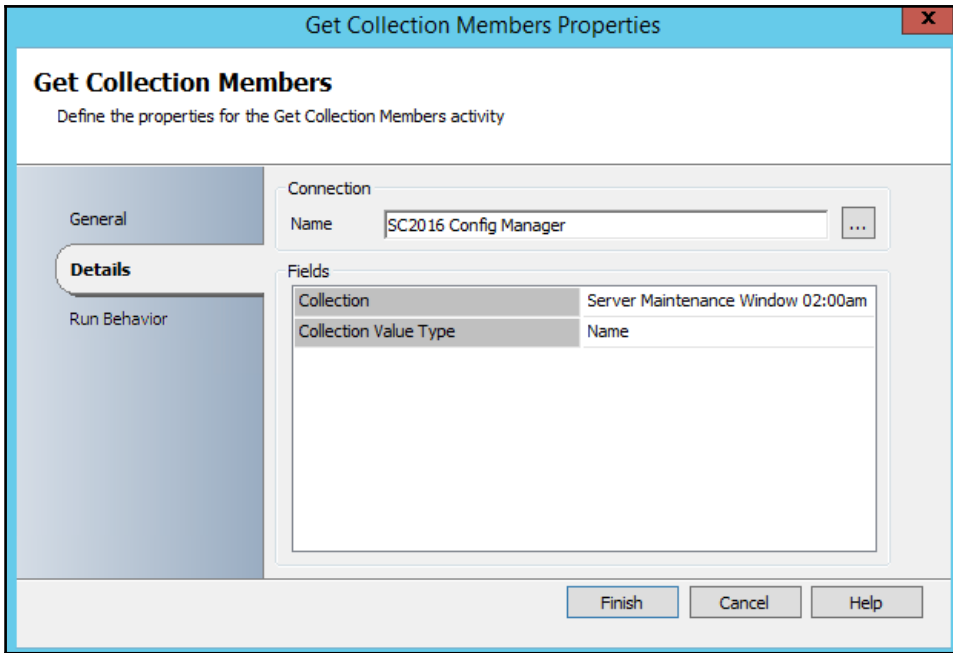


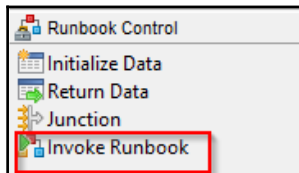
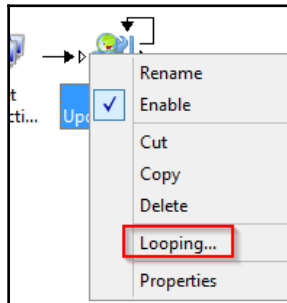
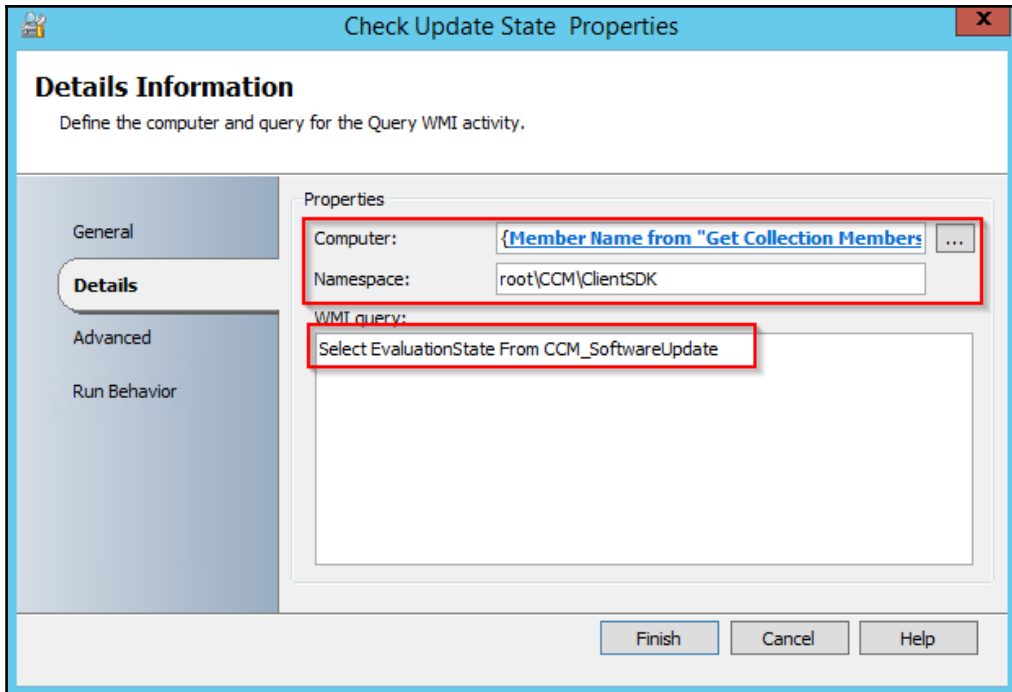


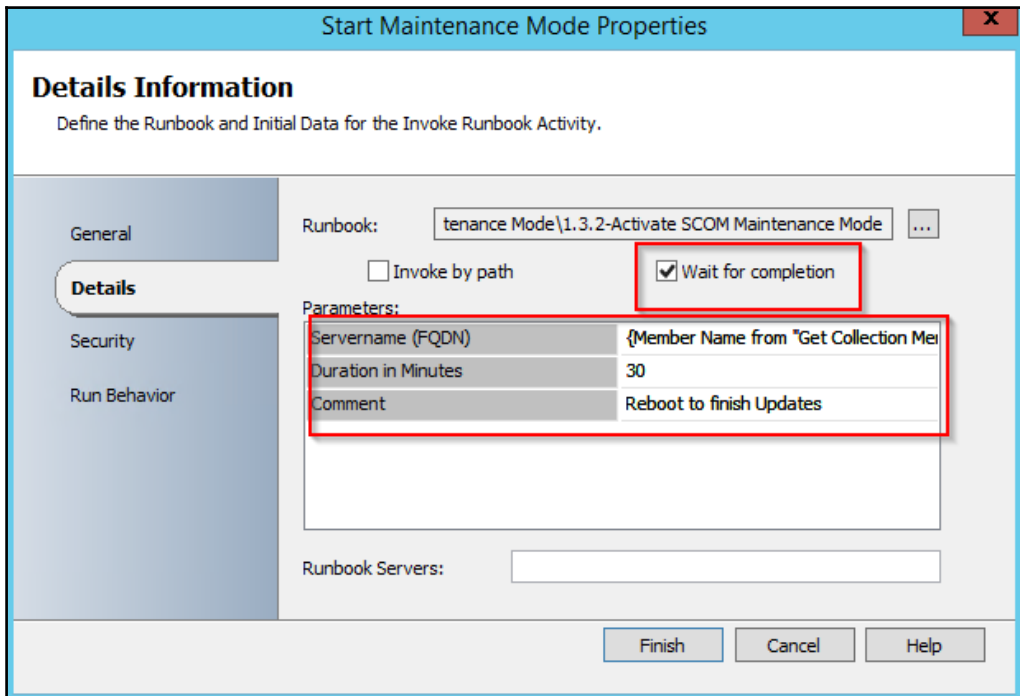
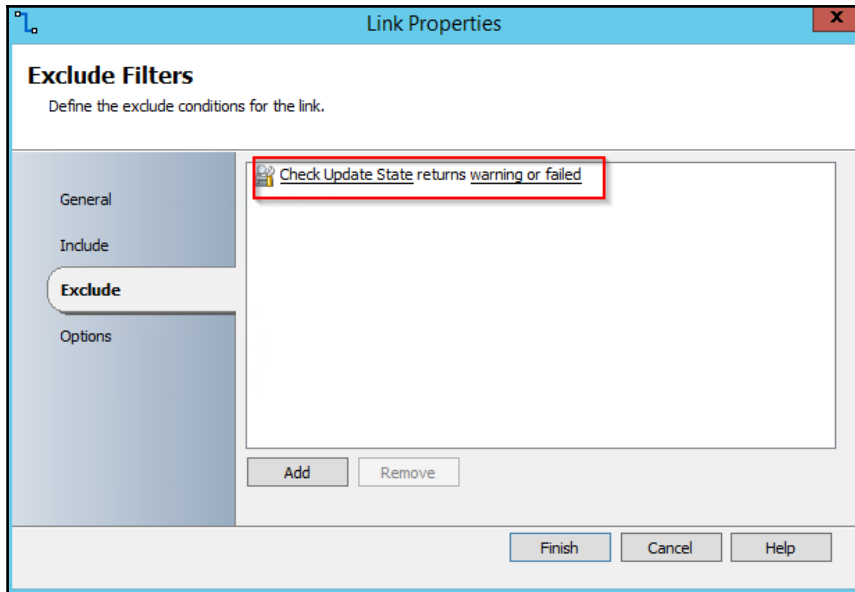


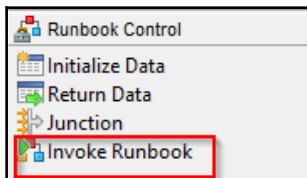
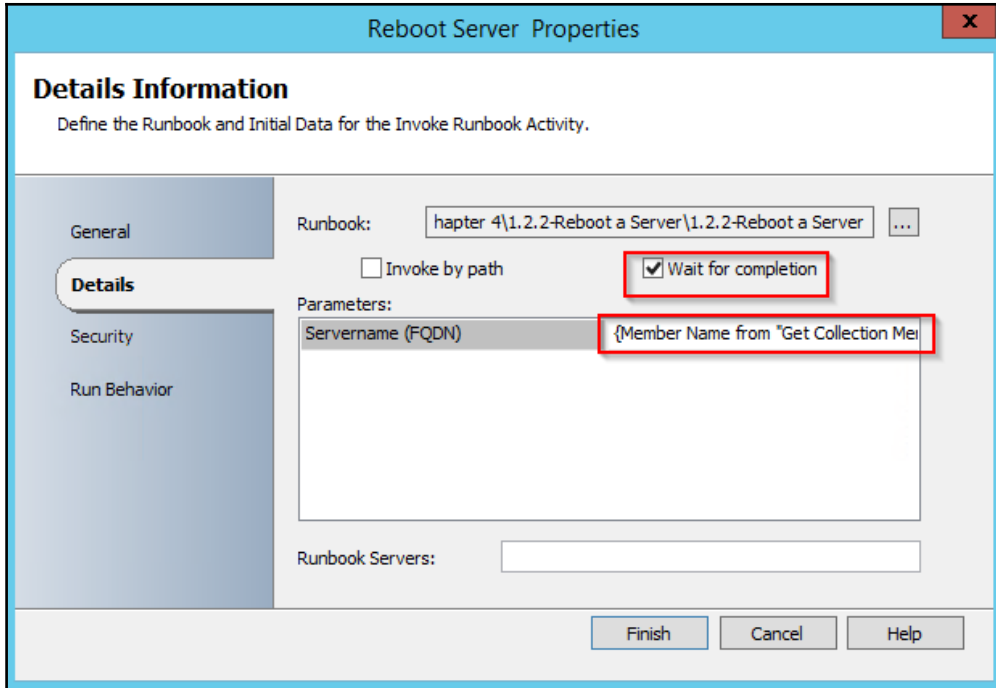
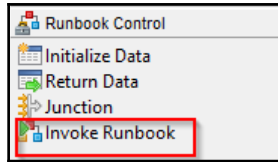


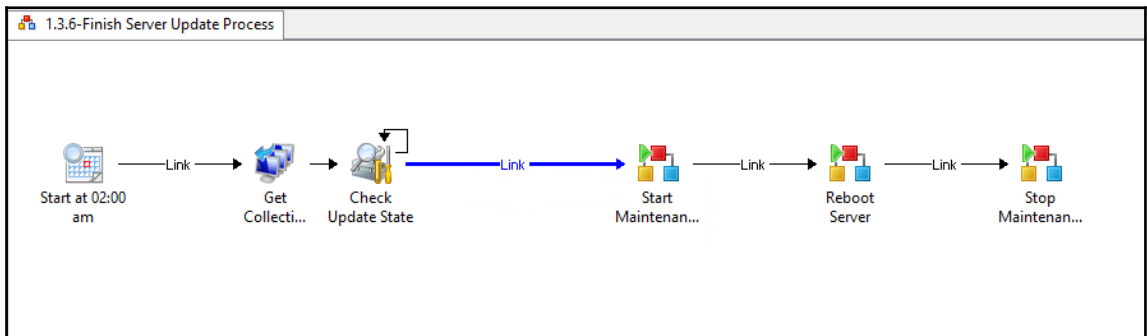
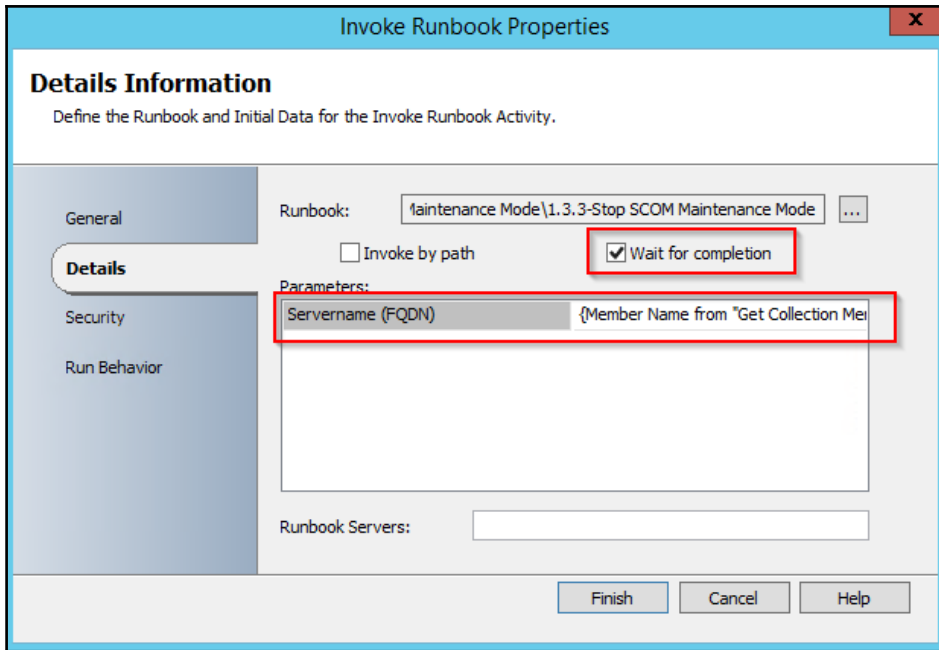


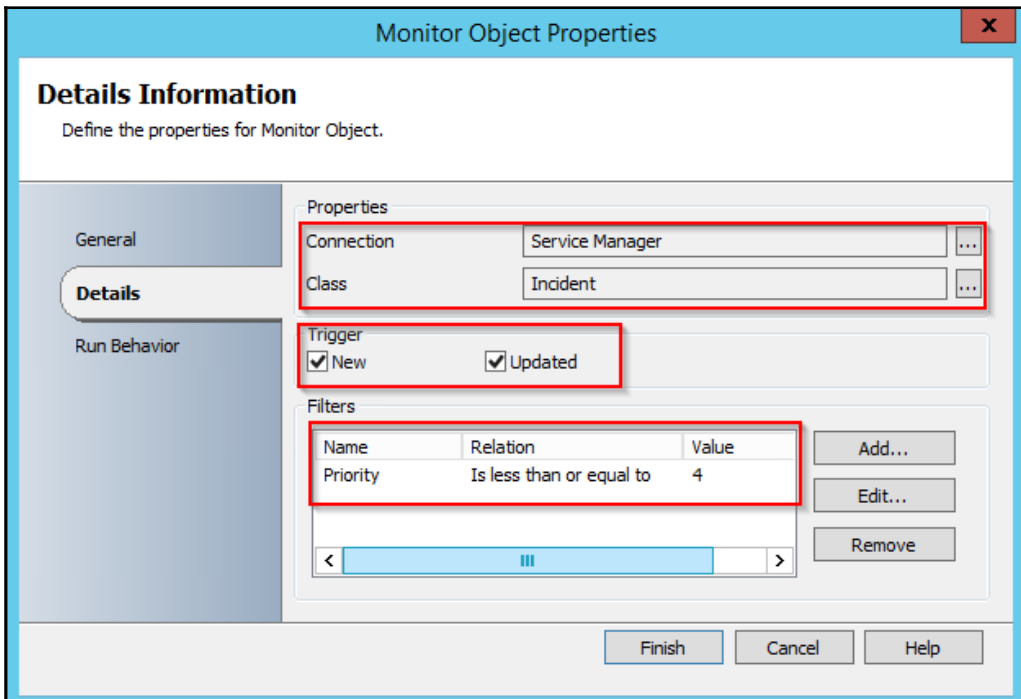
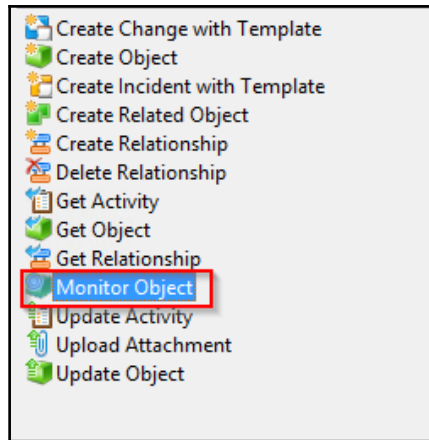


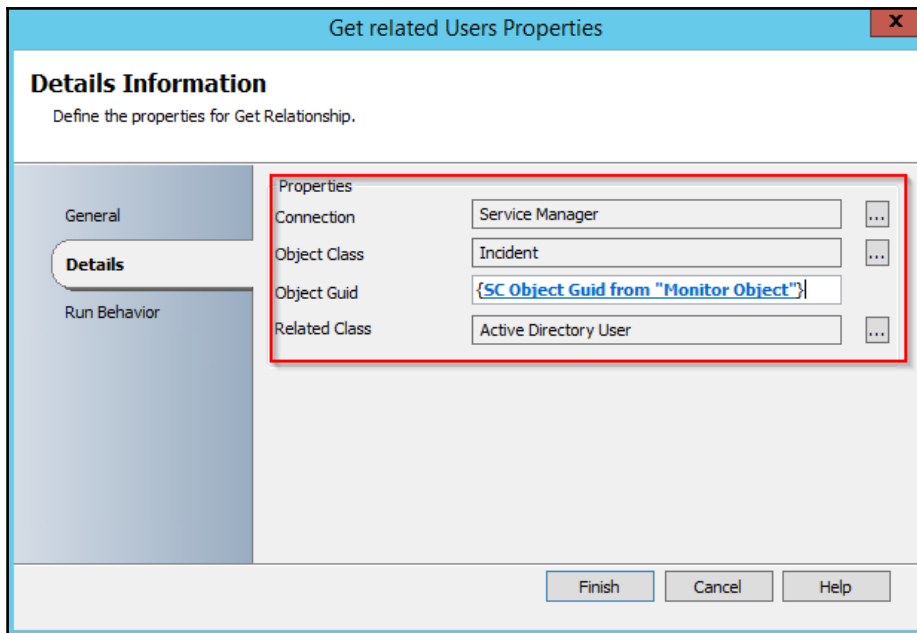
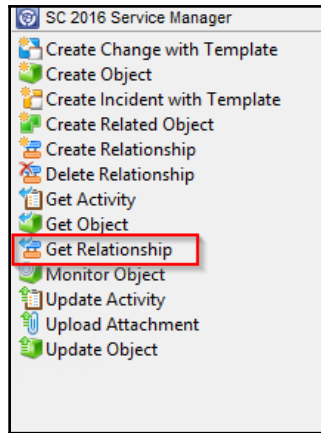


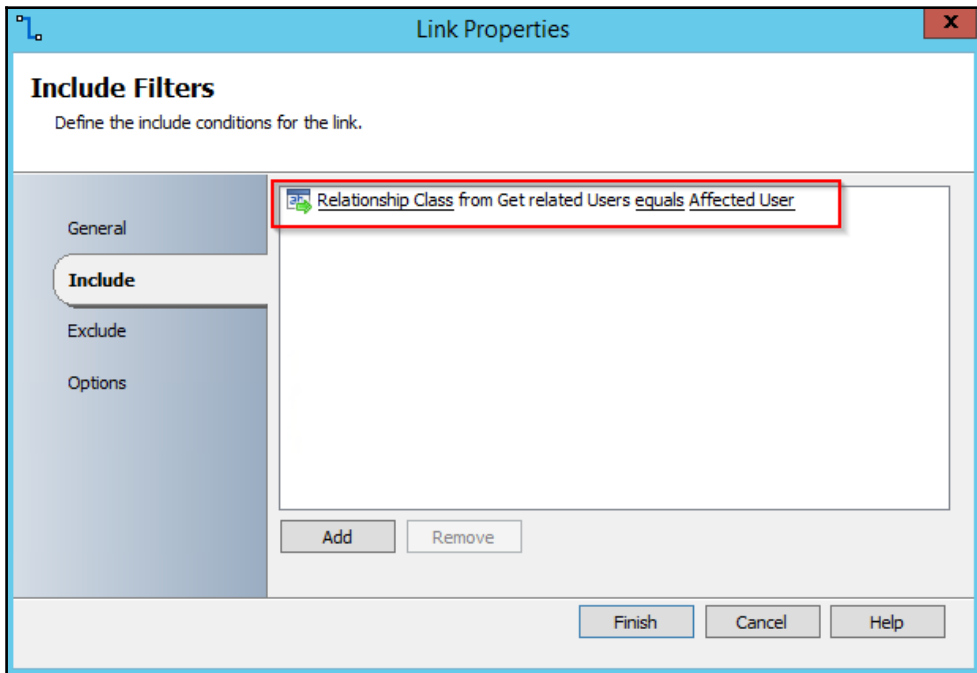
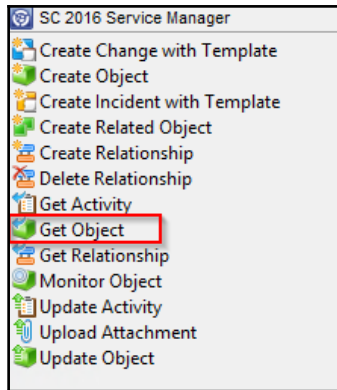


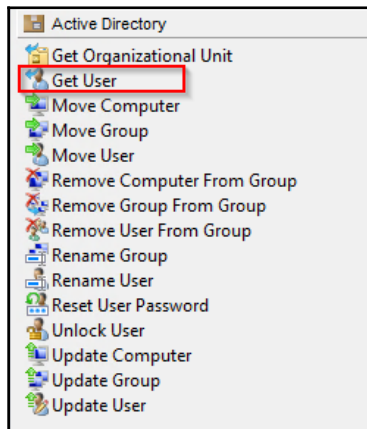
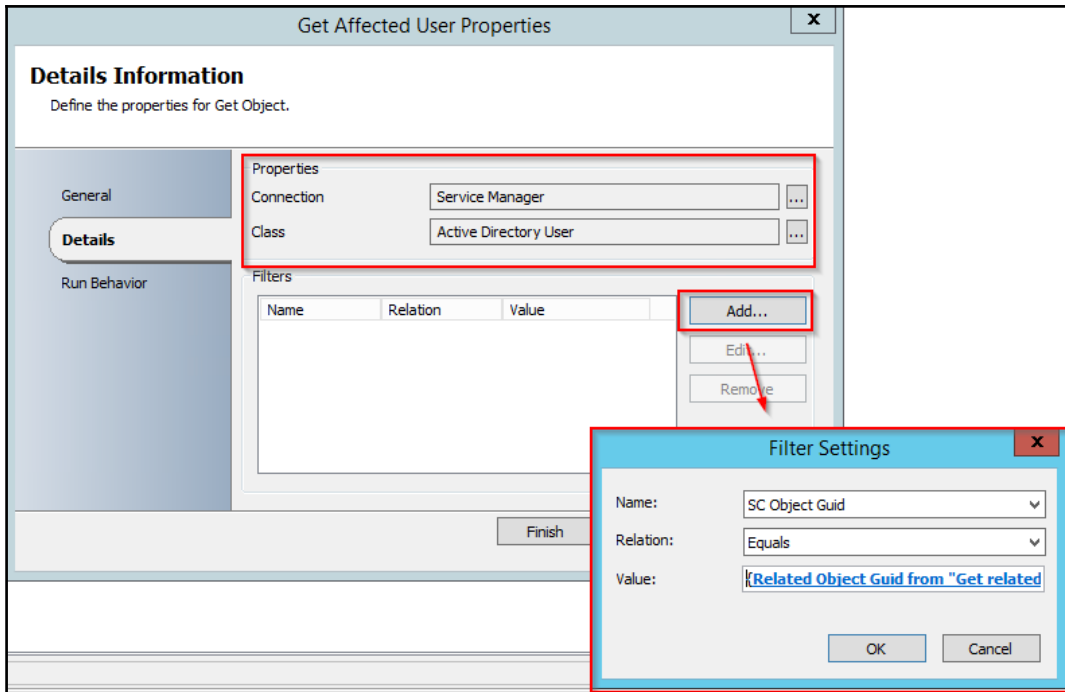


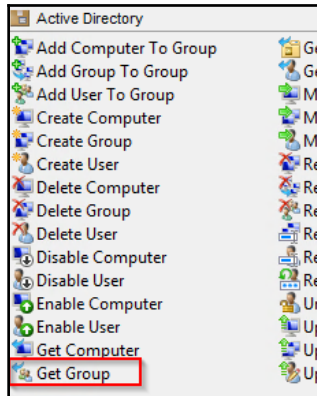
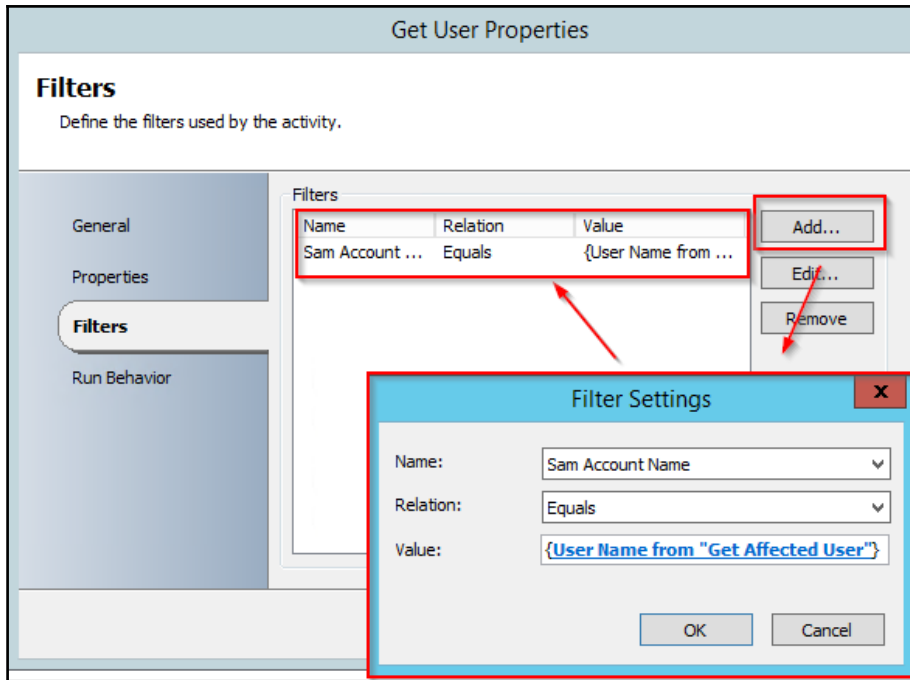


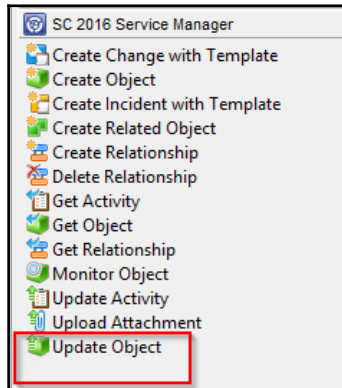
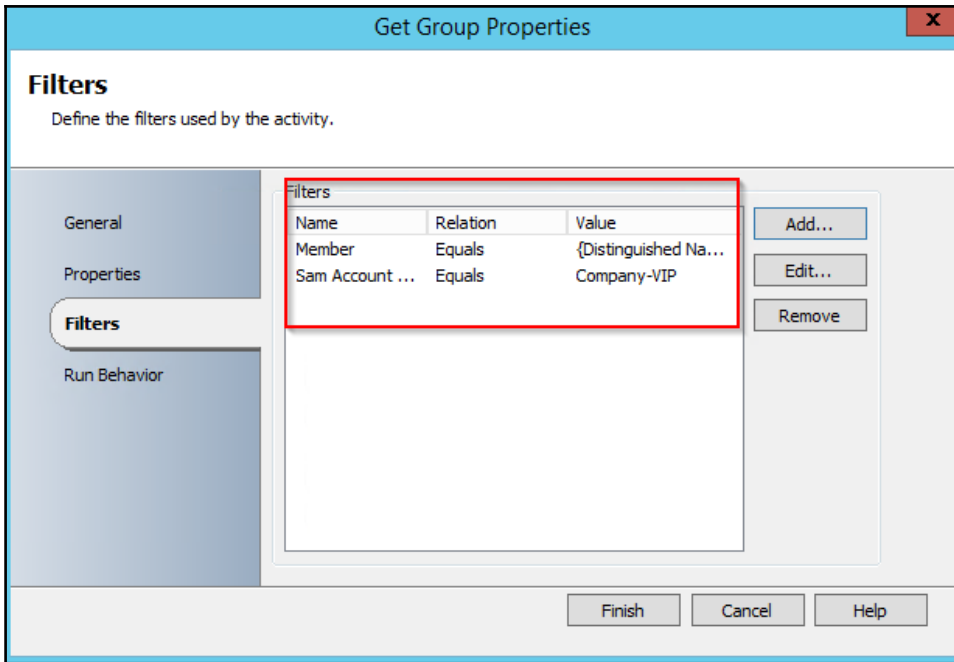


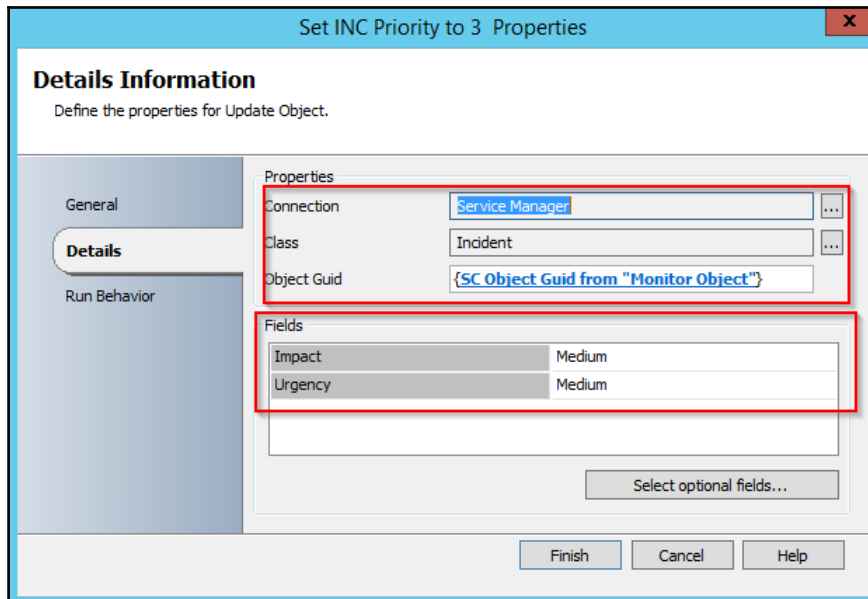
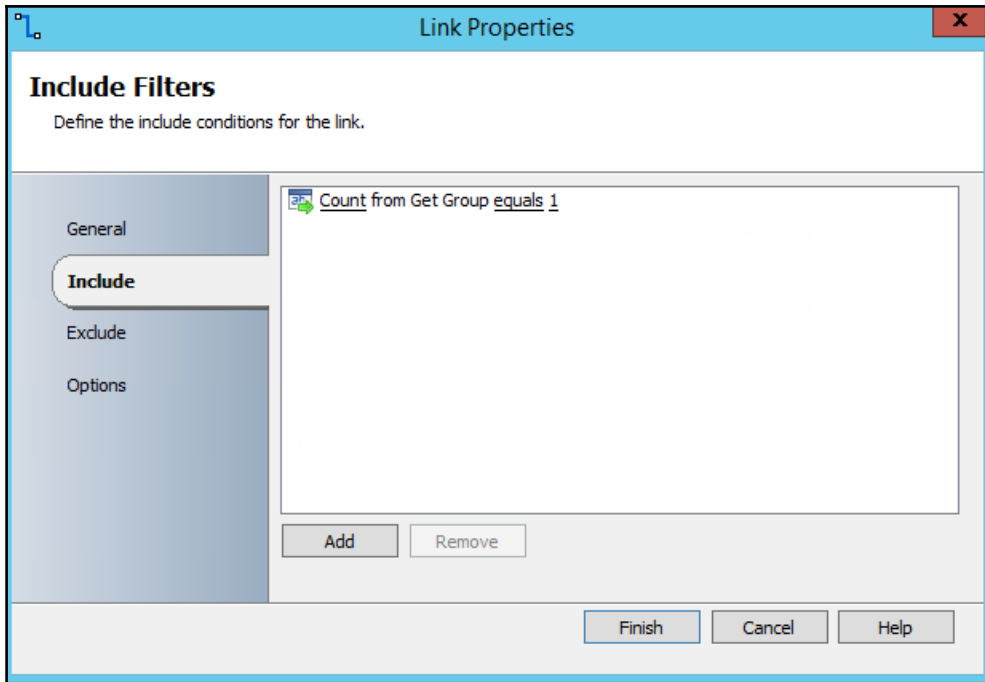


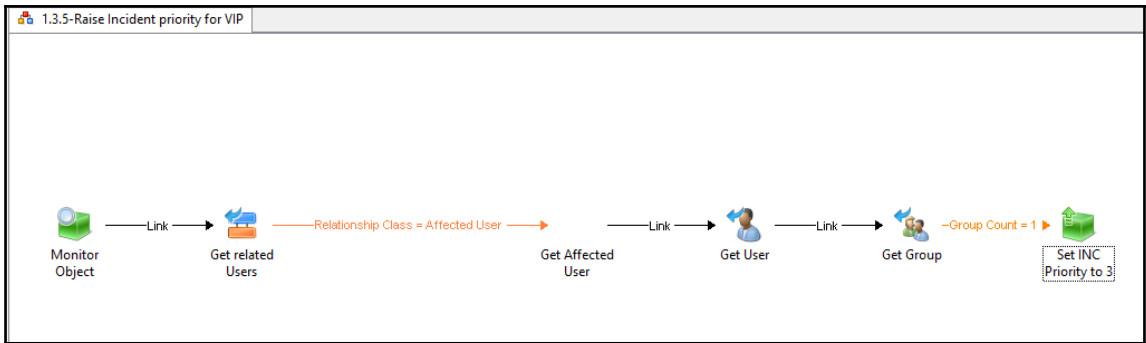










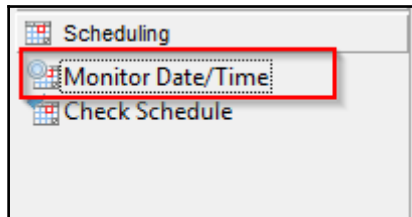
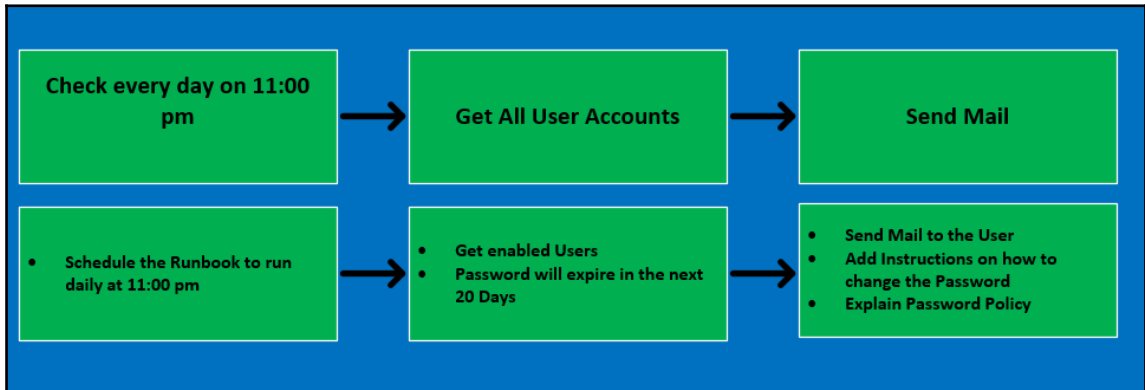


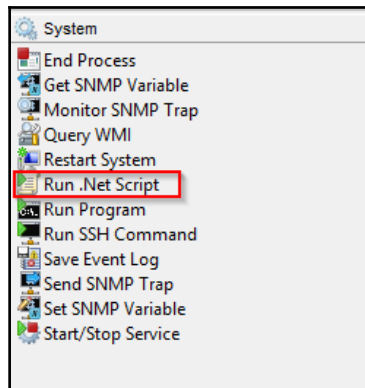
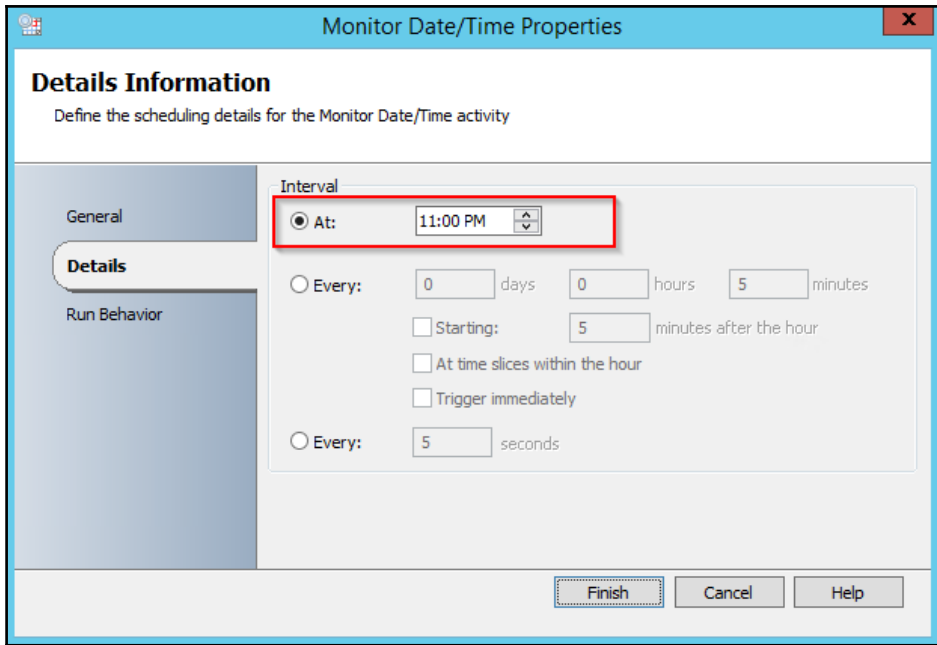
^ Priority Calculation

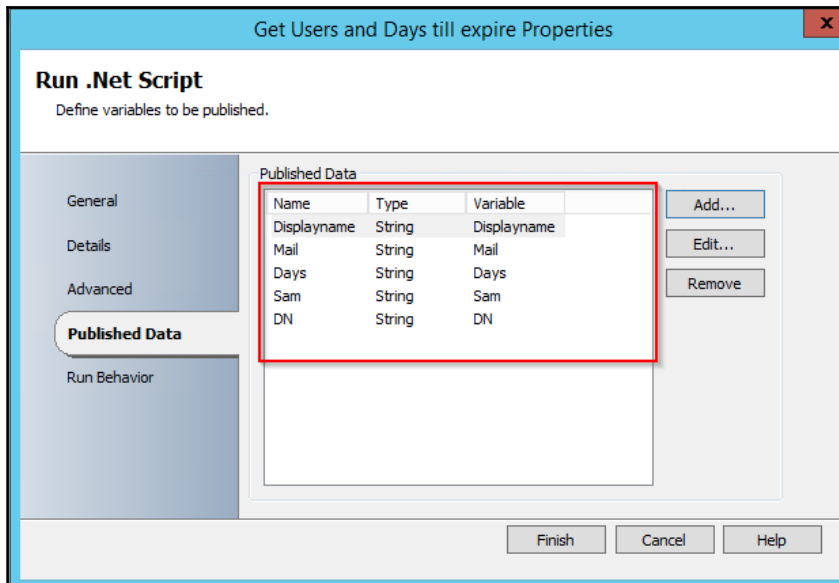
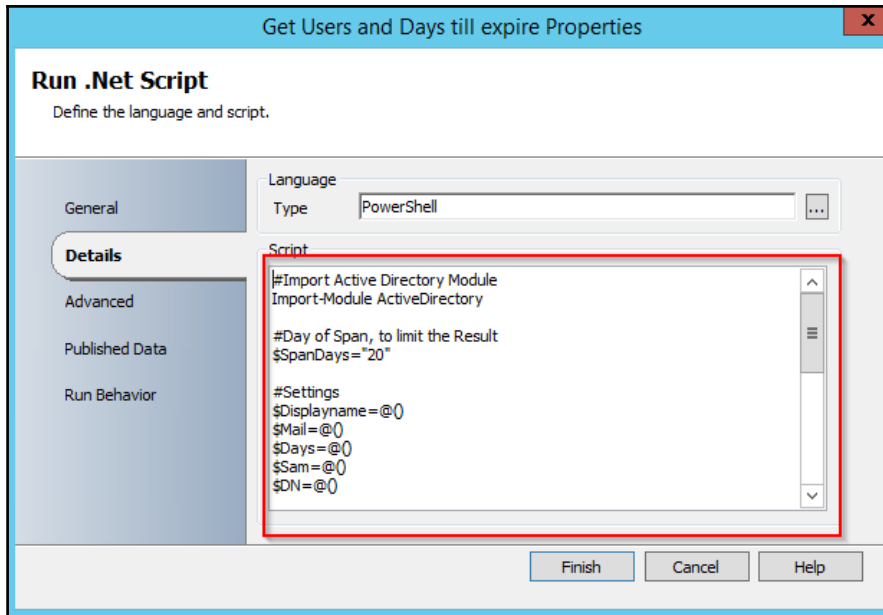
Specify how the priority should be calculated for an incident, based on the urgency and impact assigned by the operator.

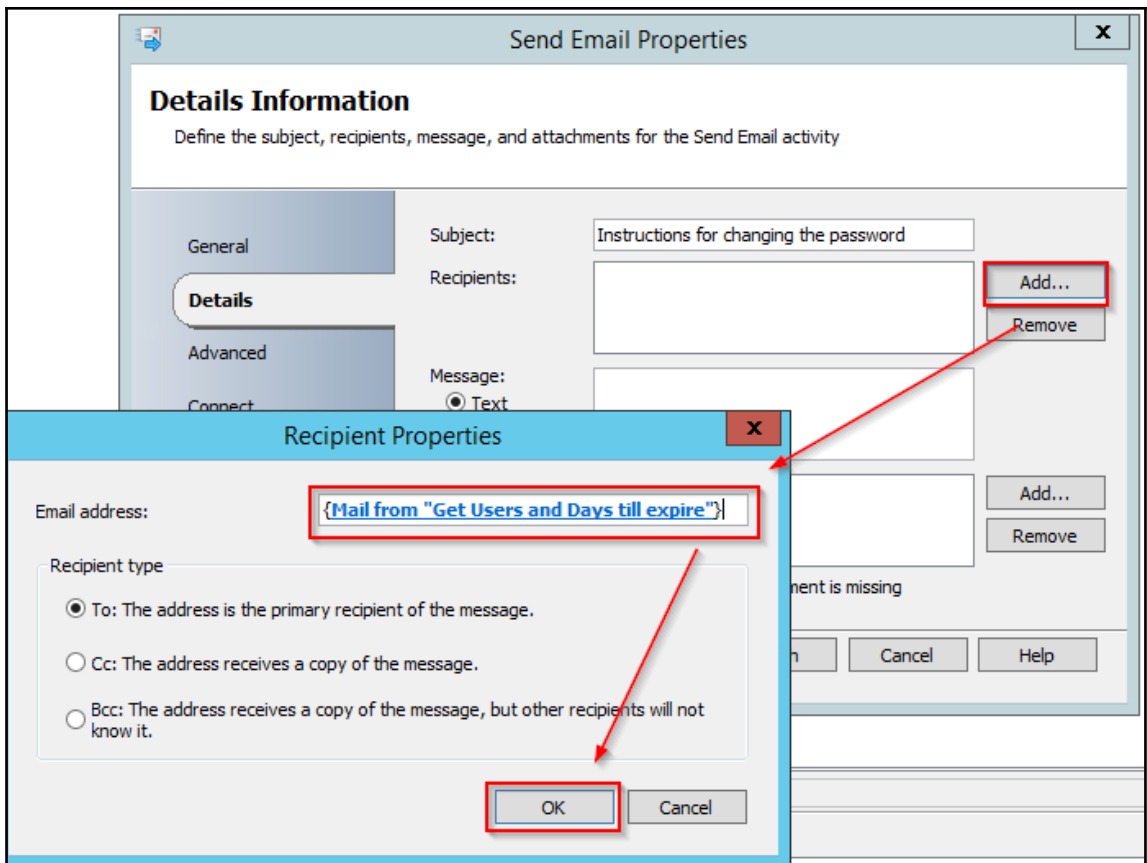
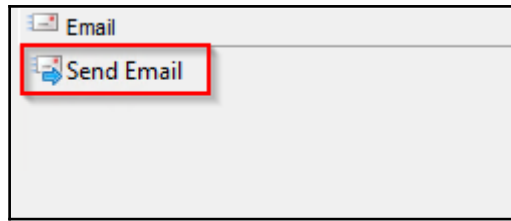
	Low	Impact Medium	High
Low	7	6	5
Urgency Medium	4	3	2
High	2	2	1

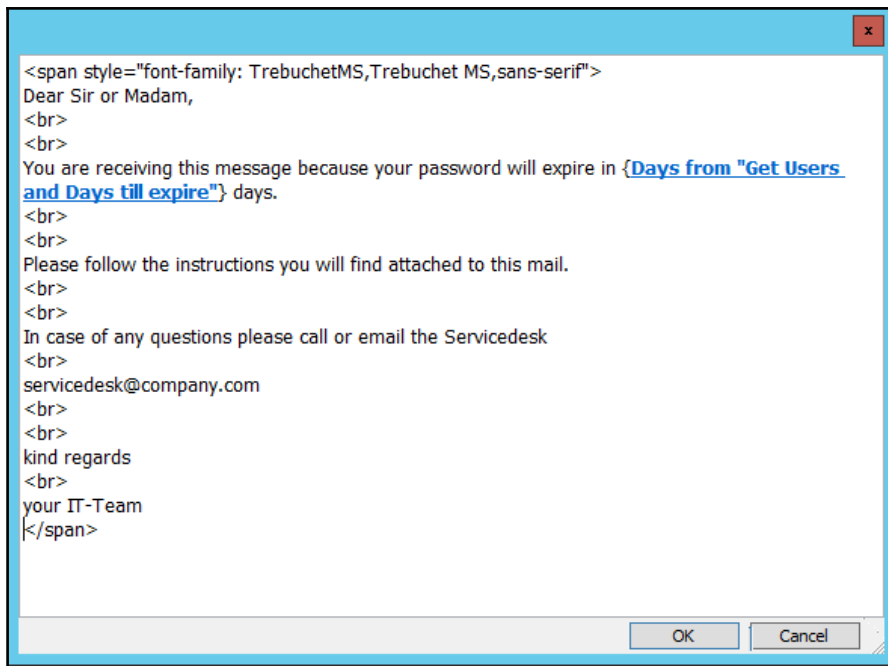
Chapter 6: Advanced Runbooks for Your Daily Tasks

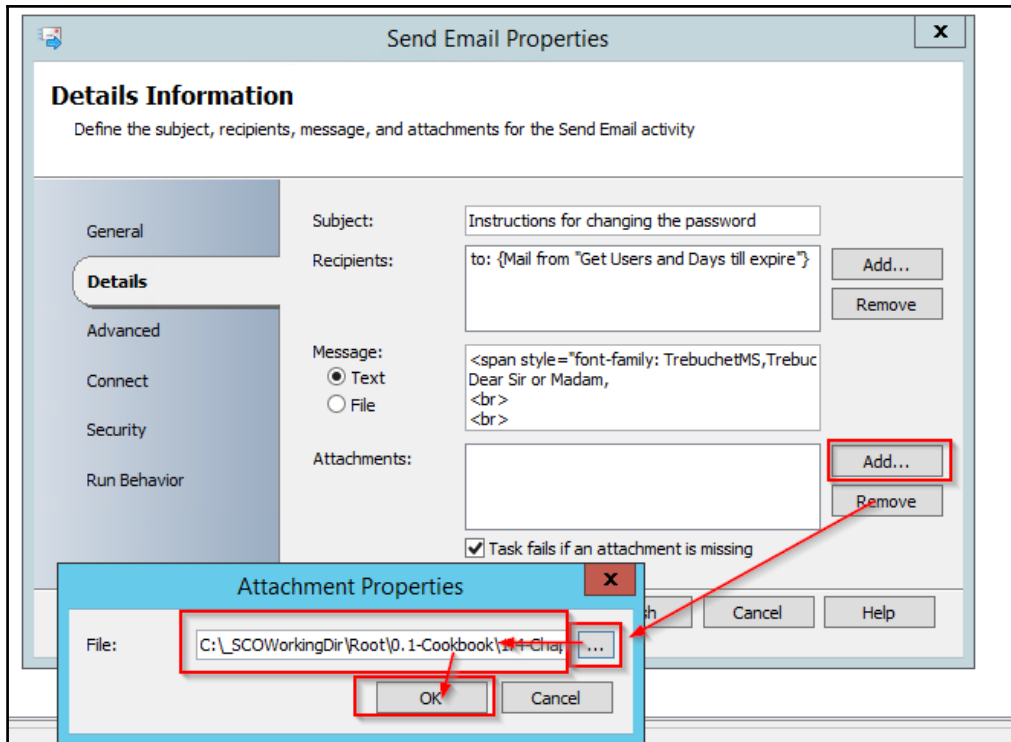


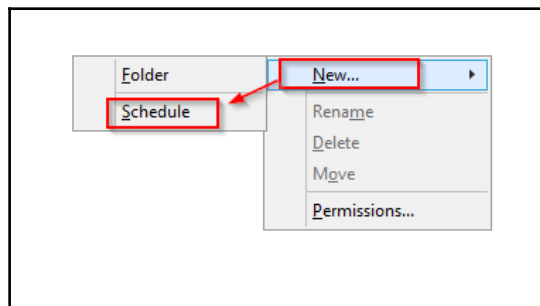
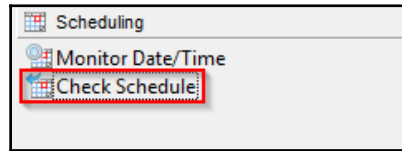
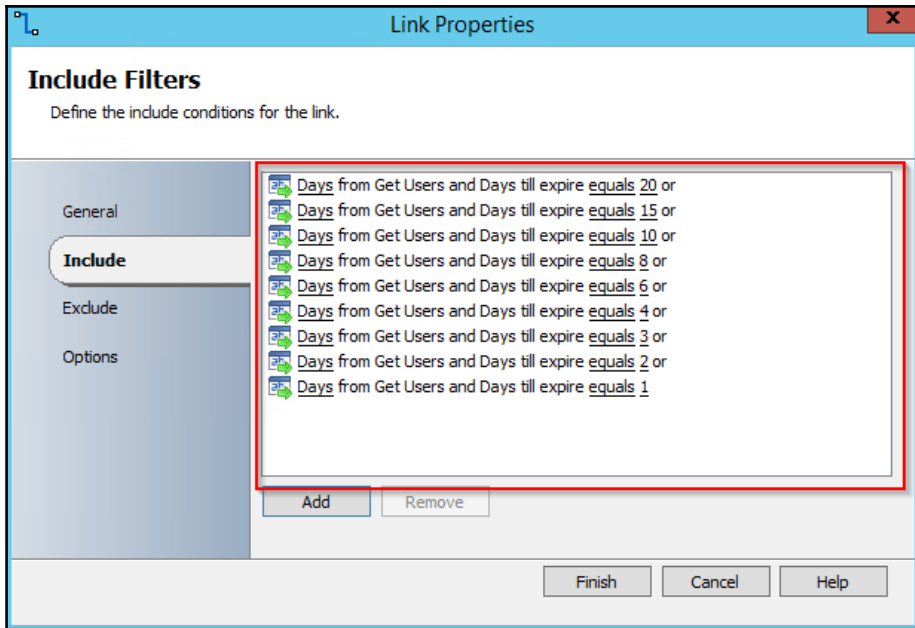


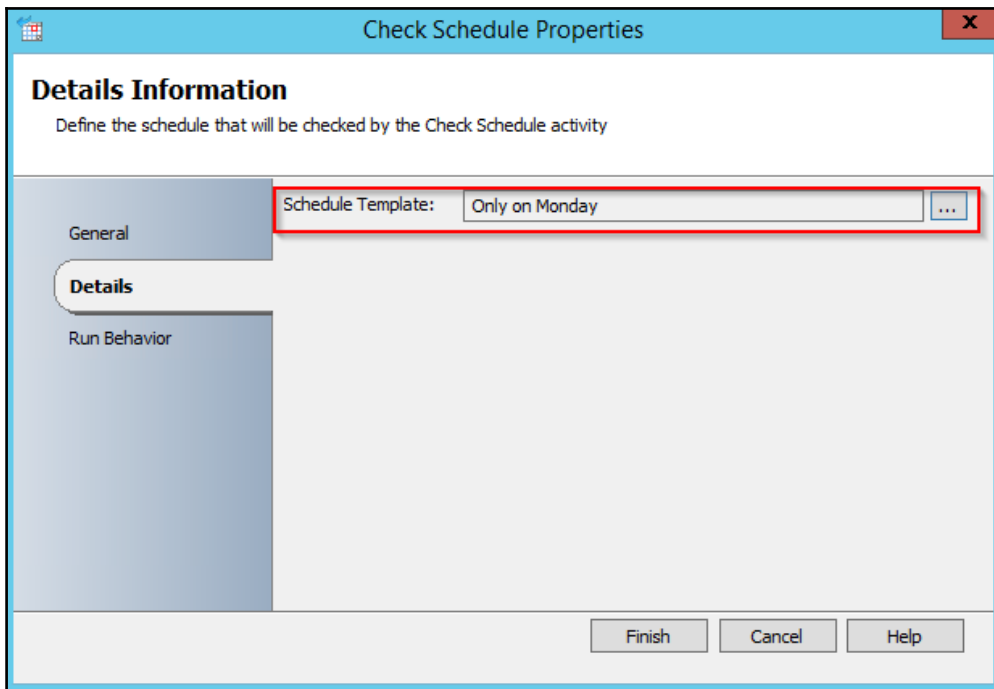
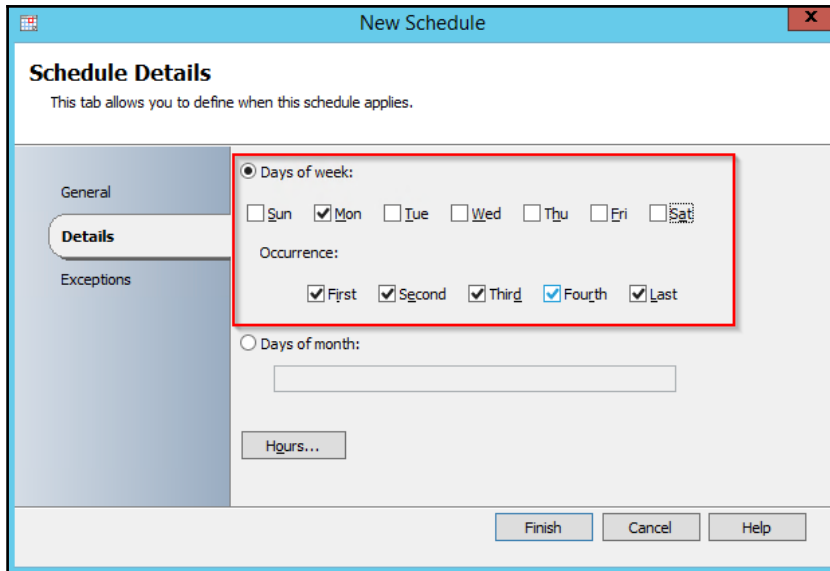


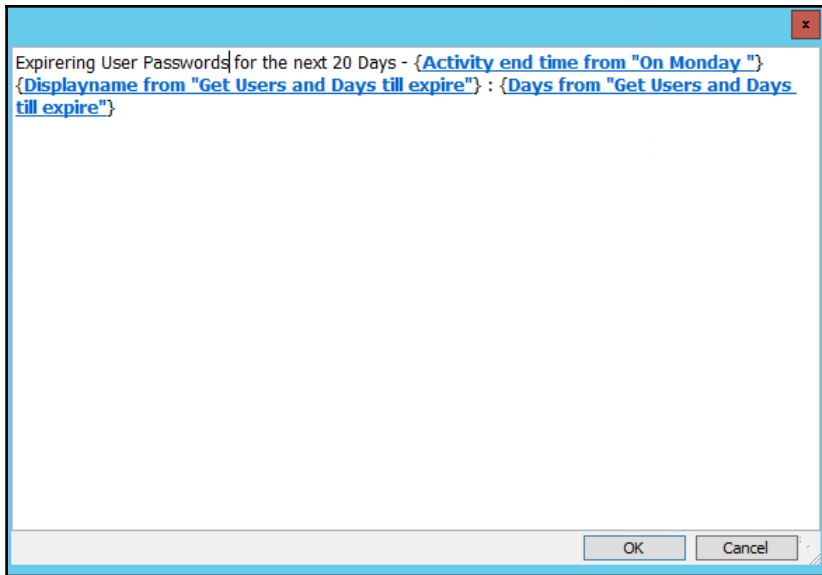
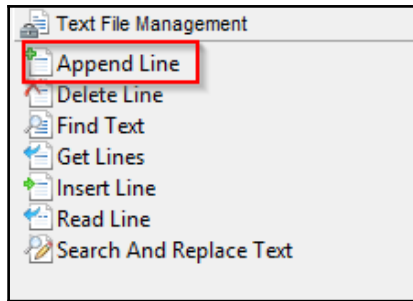


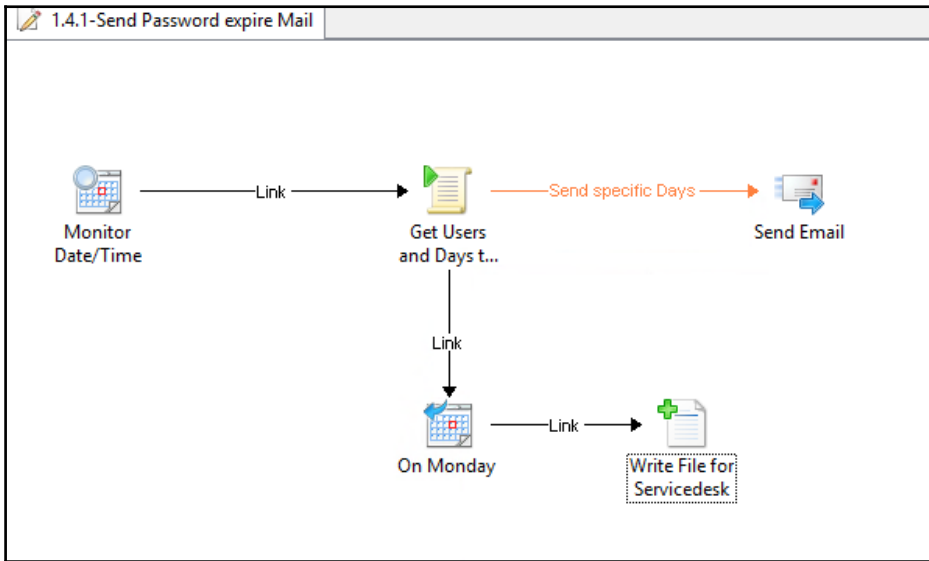
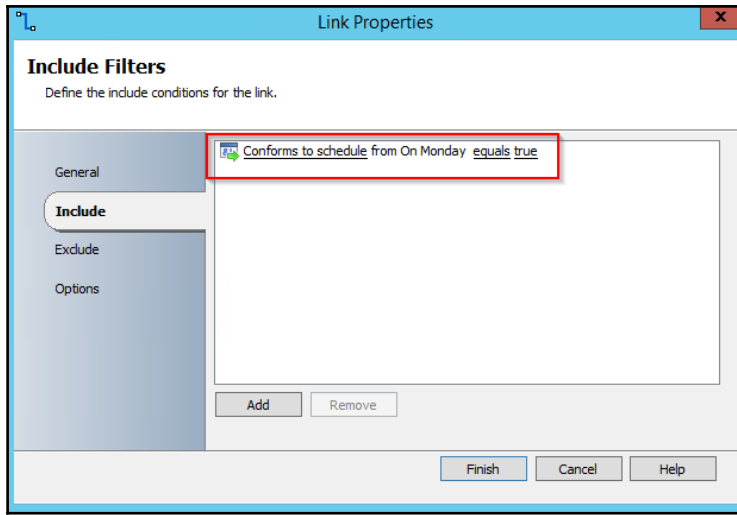


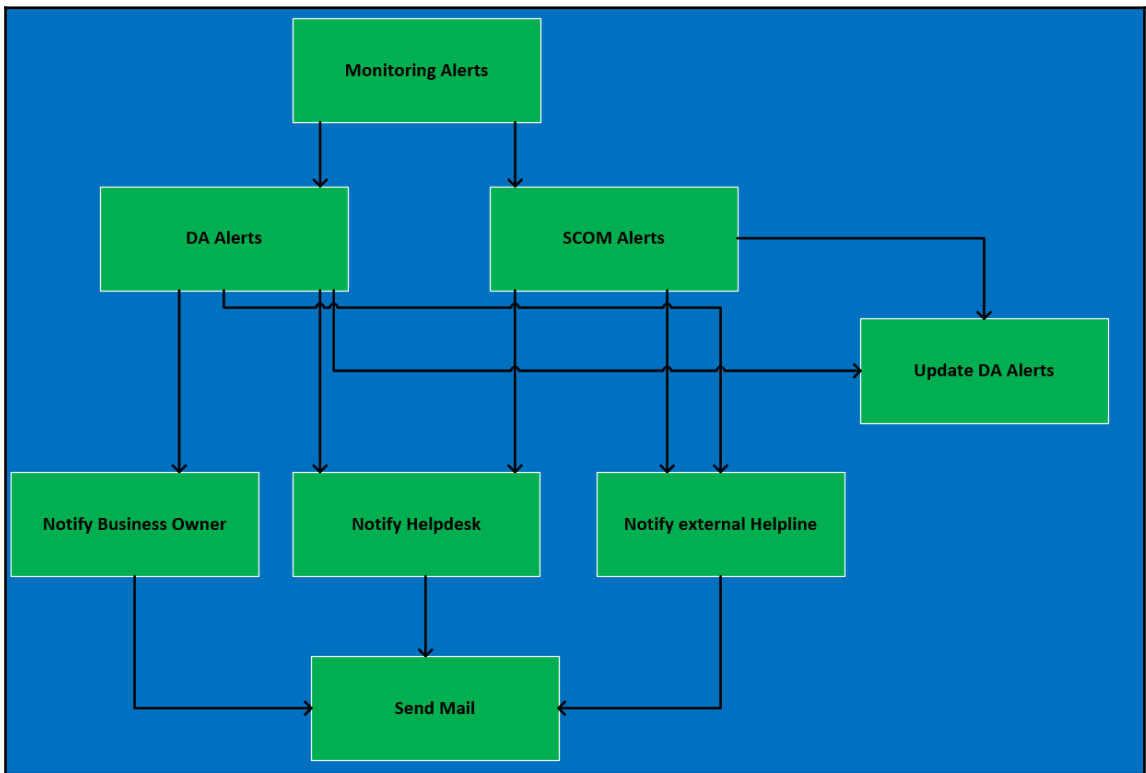
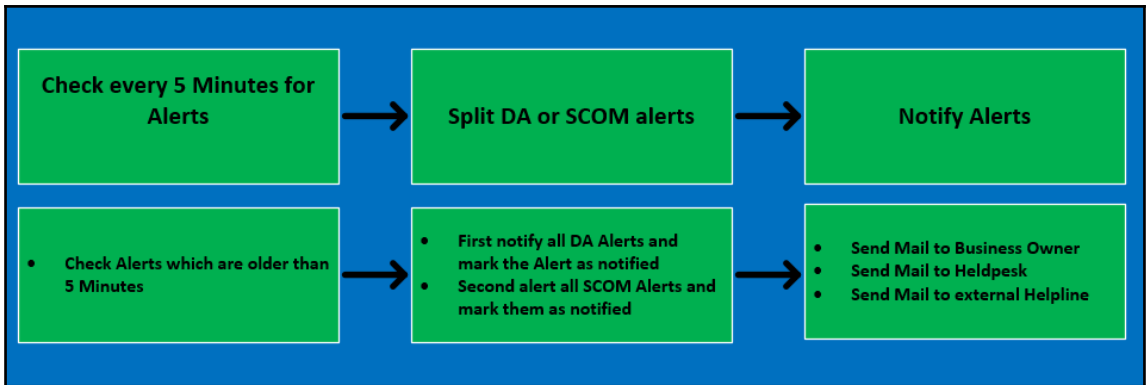


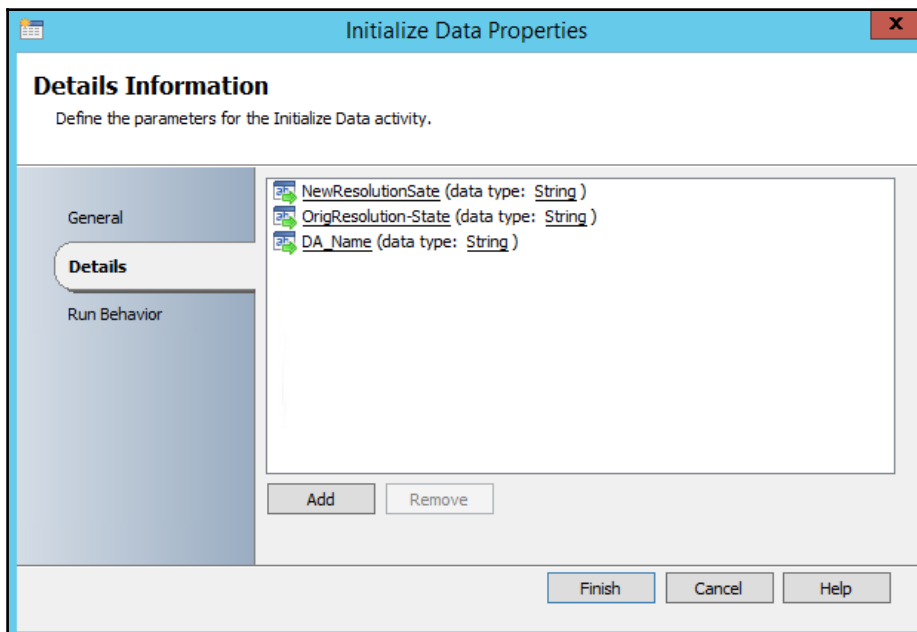
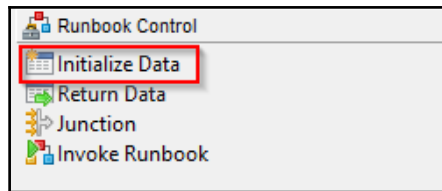
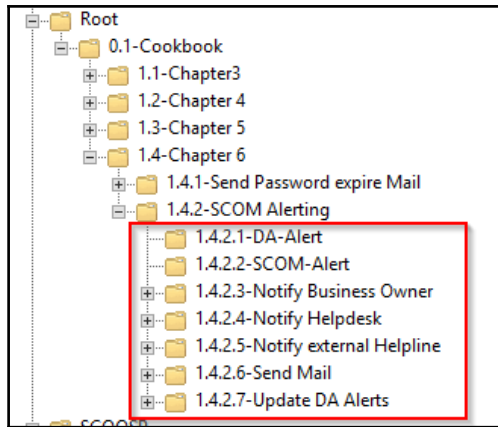


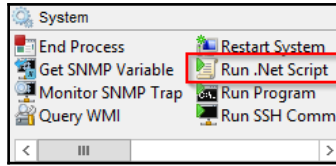












```
#Configure your User to connect with PowerShell Remote
$User="{SCOM Service User Username}"

#Configure your Password to connect with PowerShell Remote
$password = ConvertTo-SecureString '{SCOM Service User Password}' -Force

#Create a Credential Object
$Credential = New-Object System.Management.Automation.PsCredential($user,$password)

#Define the PowerShell Session
$session=New-PSSession -ComputerName "{SCOM Servername (FQDN)}" -Credential $Credential -ConfigurationName Microsoft.PowerShell32

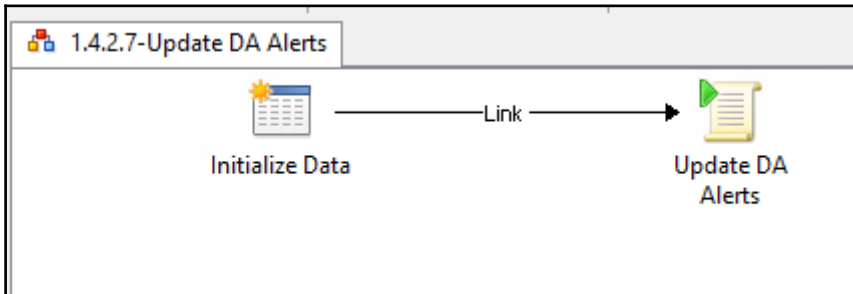
#Invoke that PowerShell Session
Invoke-Command -Session $session -scriptblock {

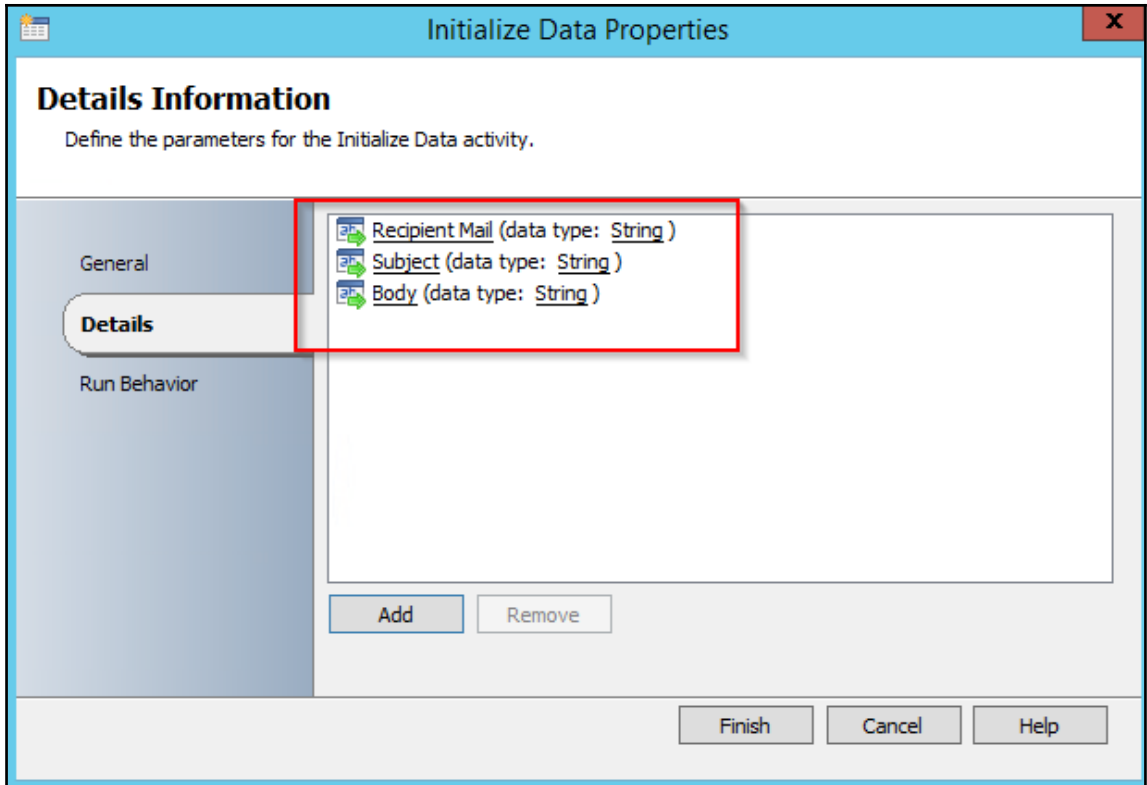
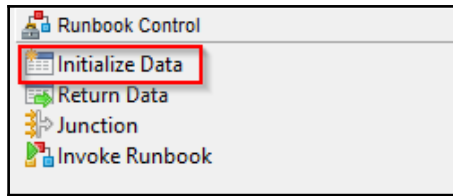
#Import SCOM PowerShell
Import-Module OperationsManager

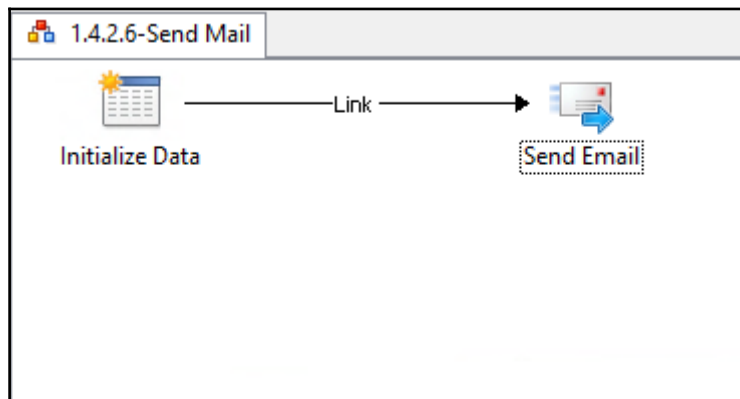
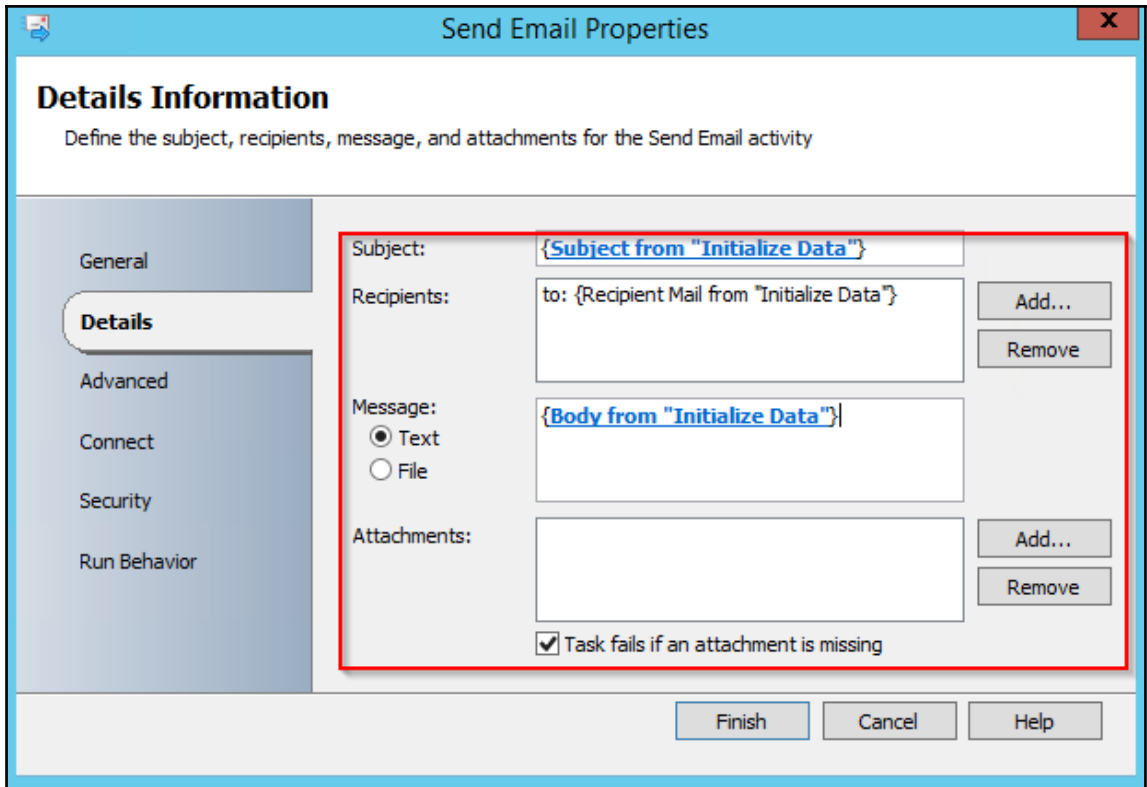
#Set our Variables
$NewResolutionstate="{NewResolutionSate from "Initialize Data"}"
$OrigResolutionstate="{OrigResolution-State from "Initialize Data"}"
$DAName = "{DA Name from "Initialize Data"}"

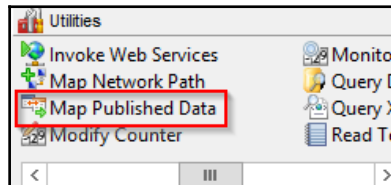
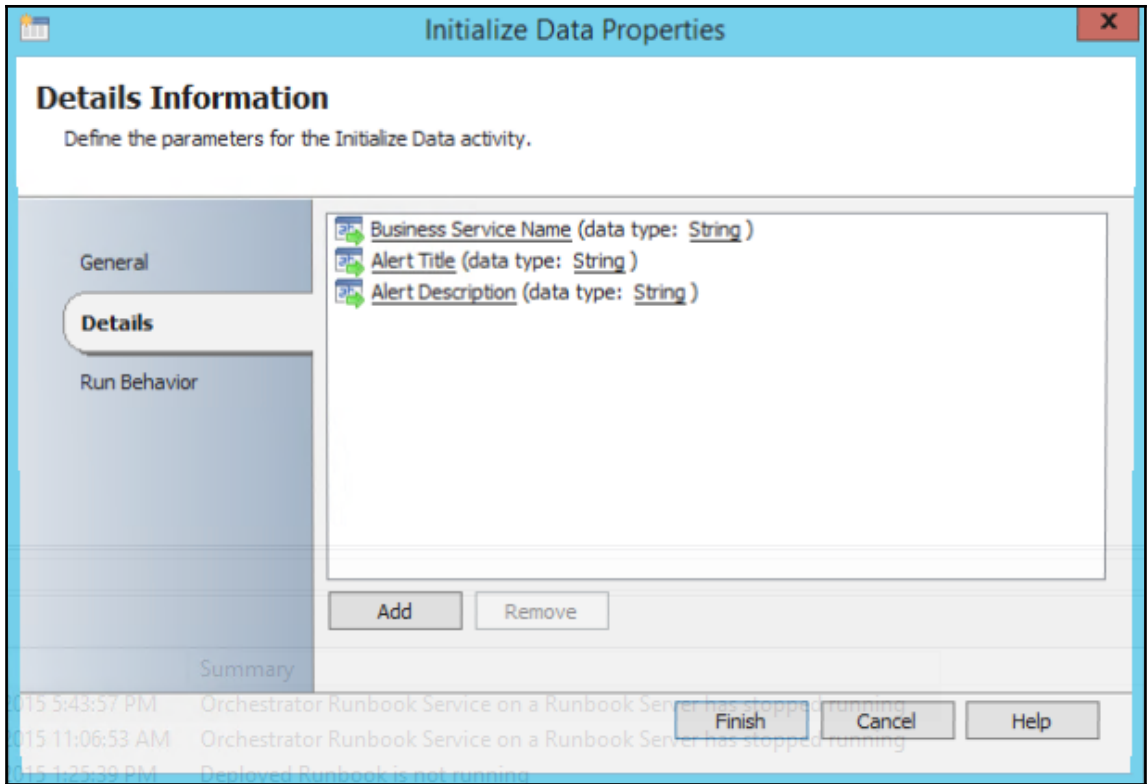
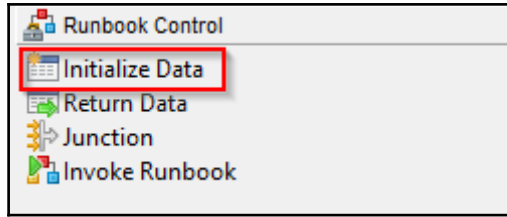
#Get all related Alerts for this DA and change the ResolutionState
Get-SCOMClass -DisplayName $DAName | Get-SCOMClassInstance | % {$_ | Get-RelatedMonitoringObjects()} | ? {$_ | $_.DisplayName -Match
$RegExIncludedComponents} | % {$_ | $_.GetMonitoringRelationshipObjects()} | % {$_ | $_.TargetMonitoringObject} | Get-SCOMAlert -ResolutionState
$OrigResolutionstate | Set-SCOMAlert -ResolutionState $NewResolutionstate

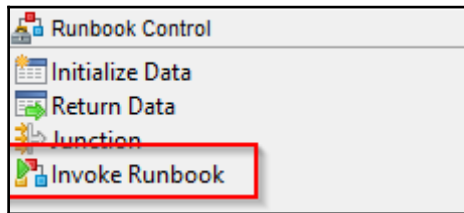
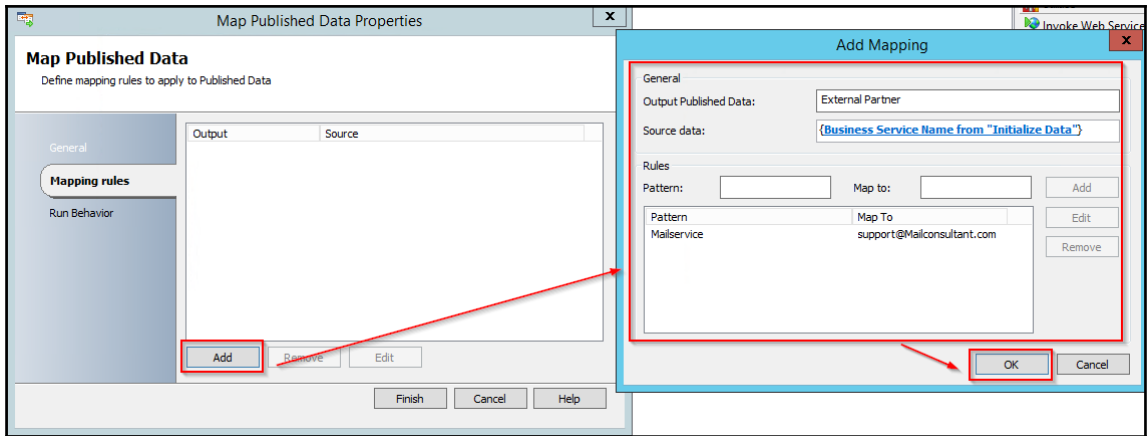
}
```

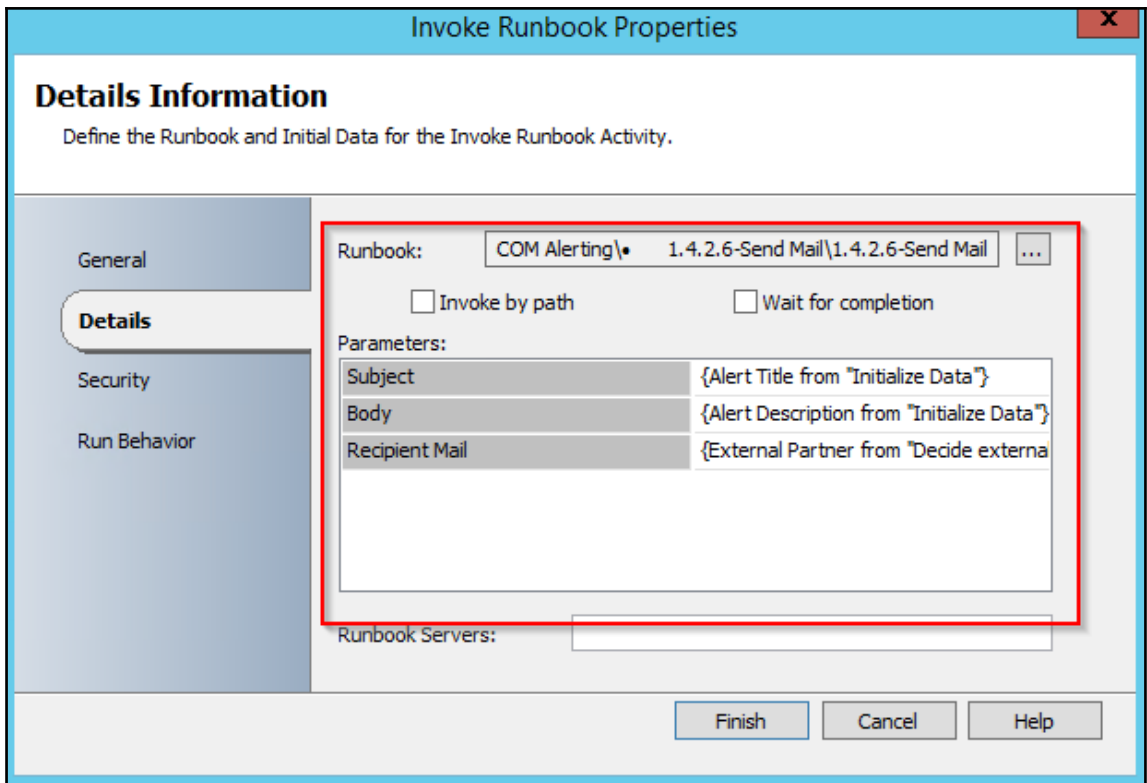


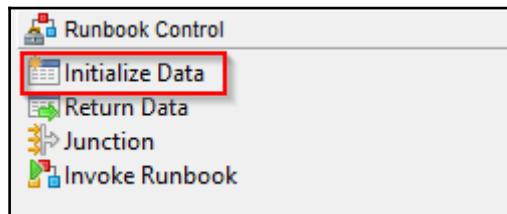
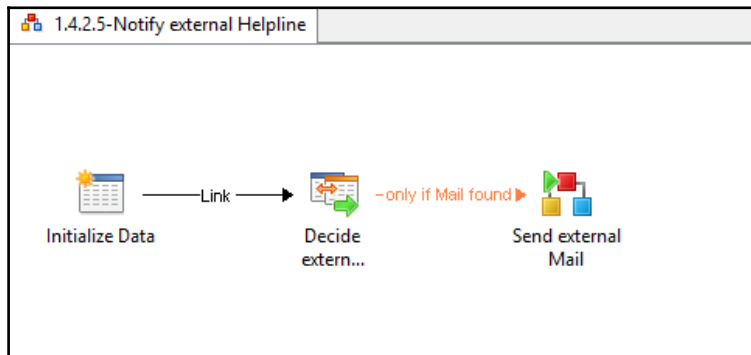
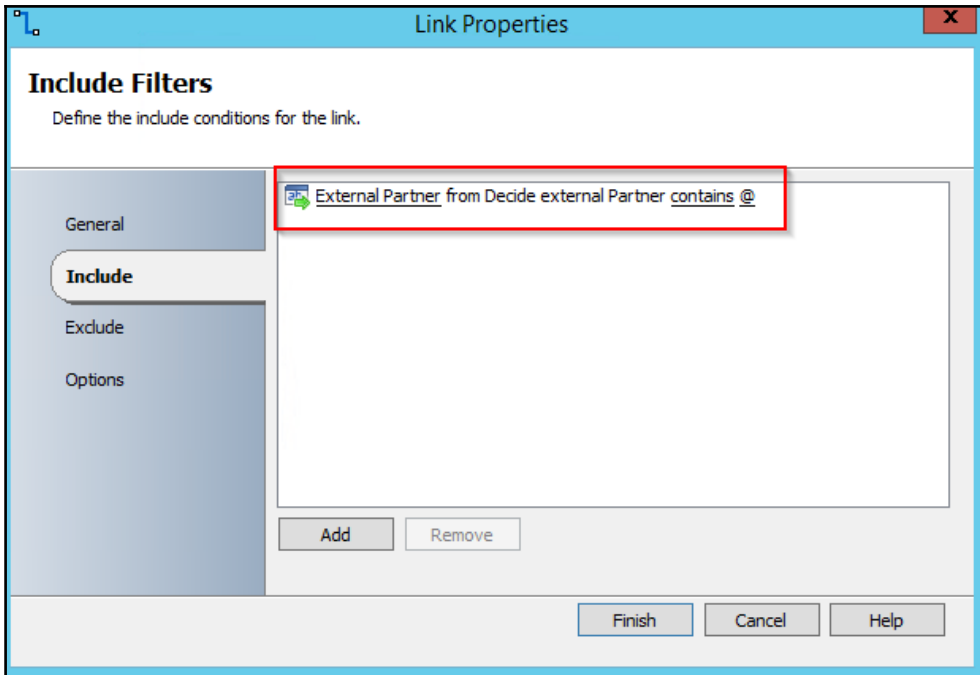


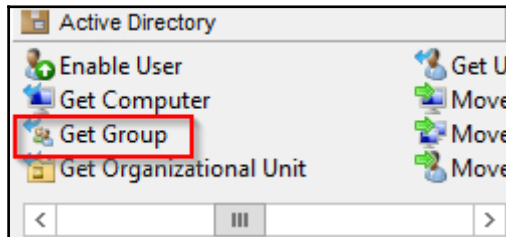
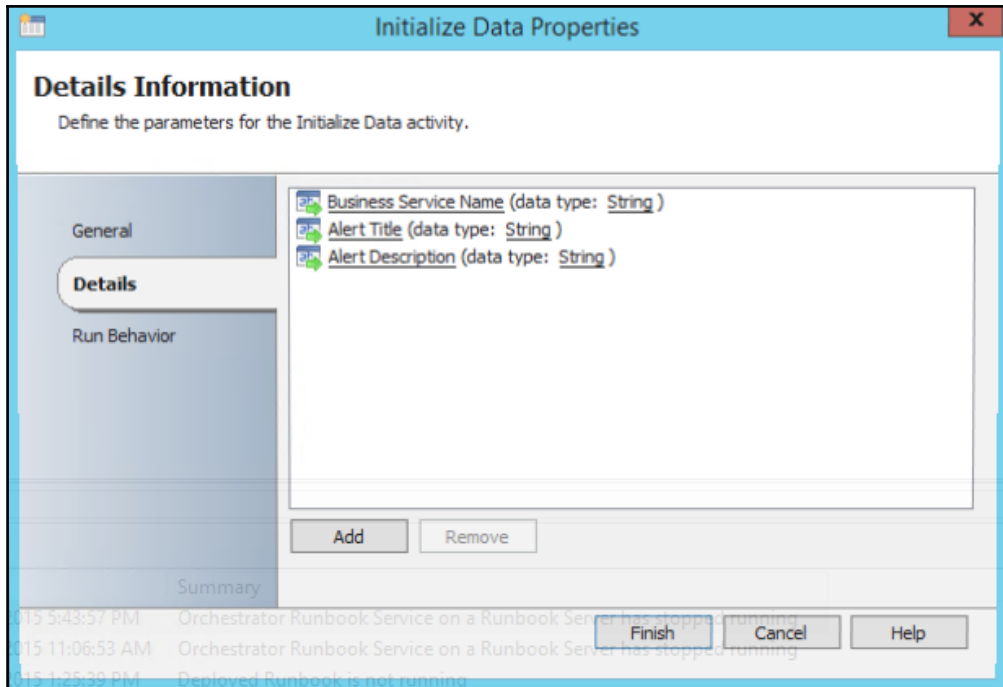


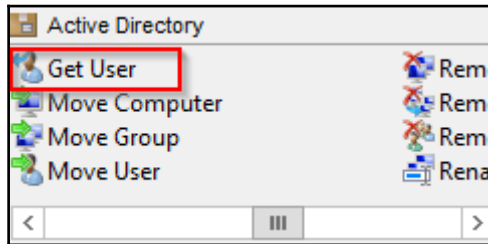
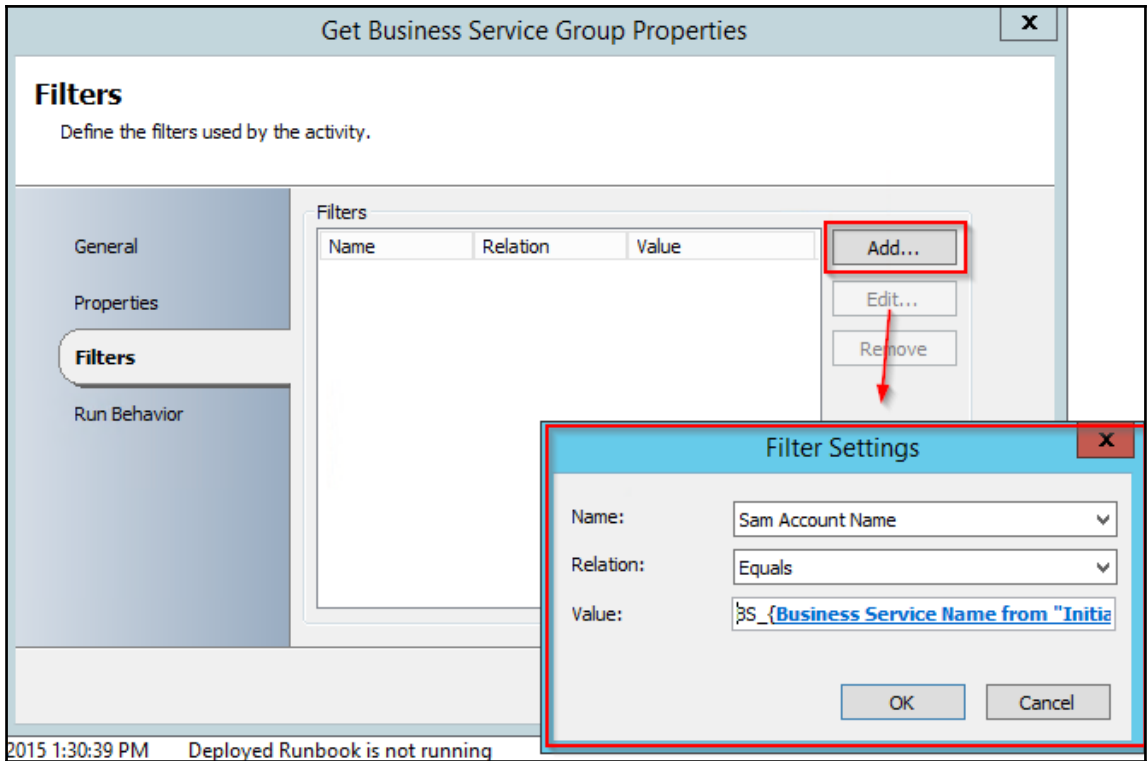


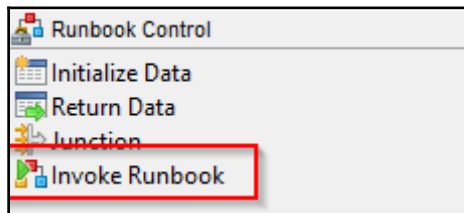
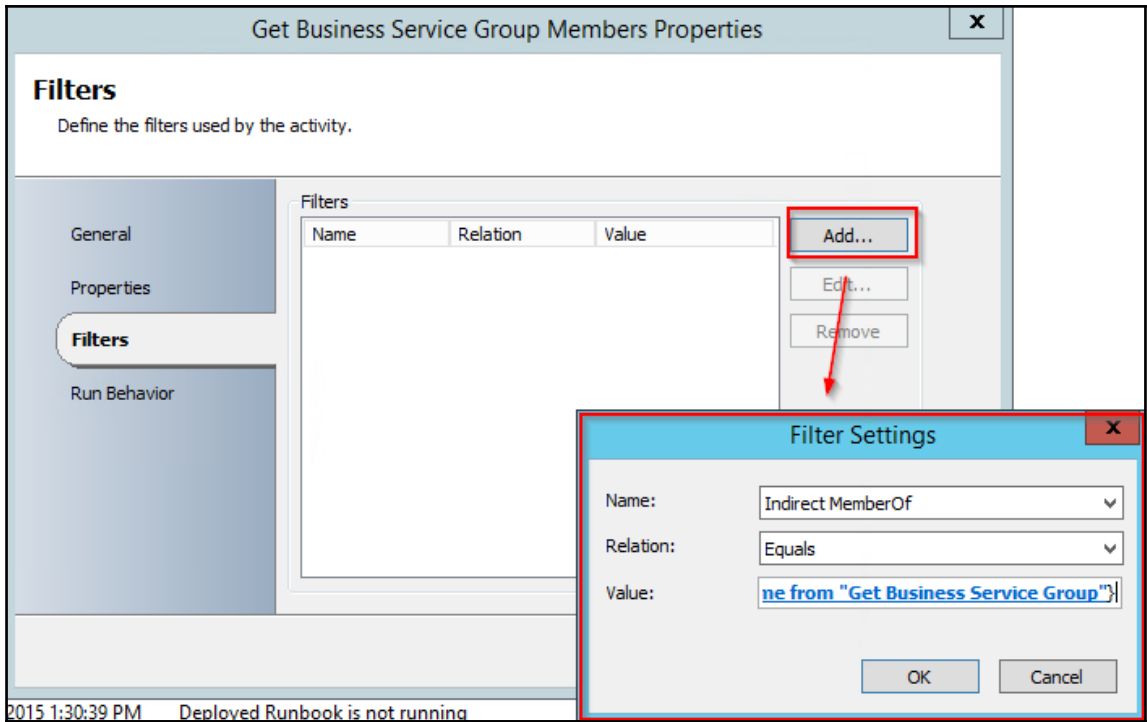


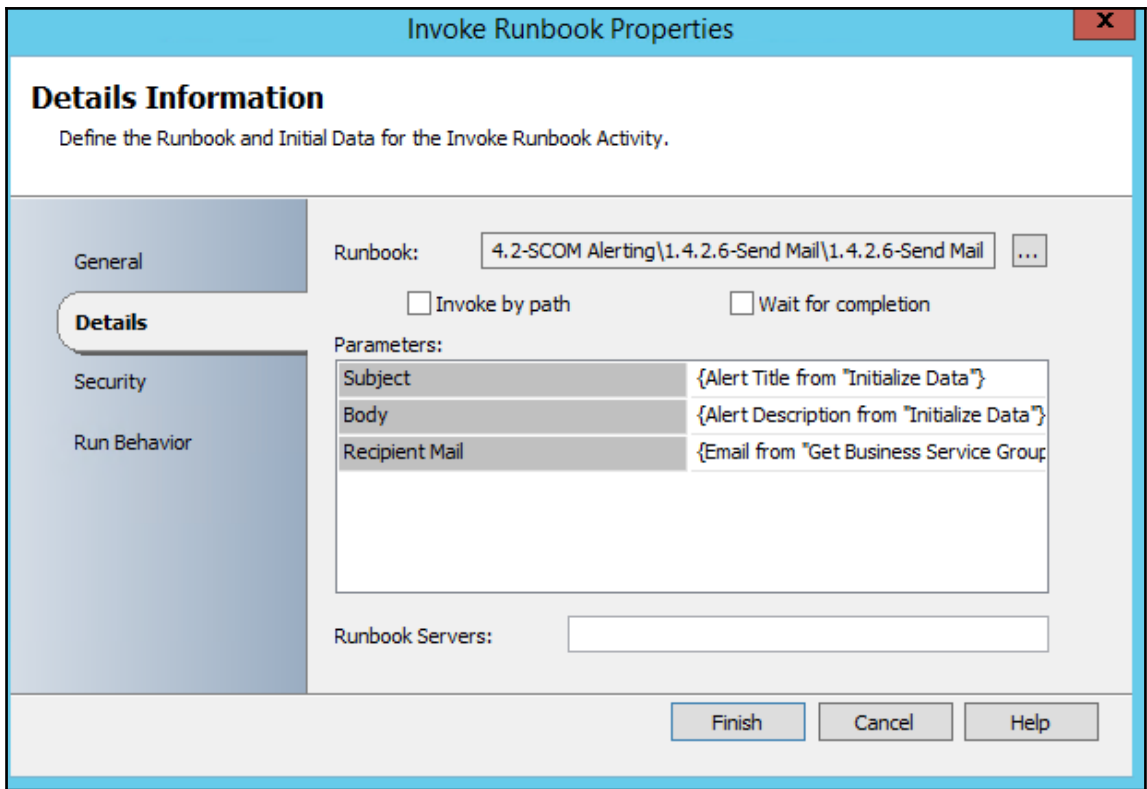


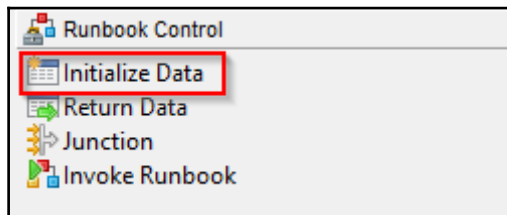
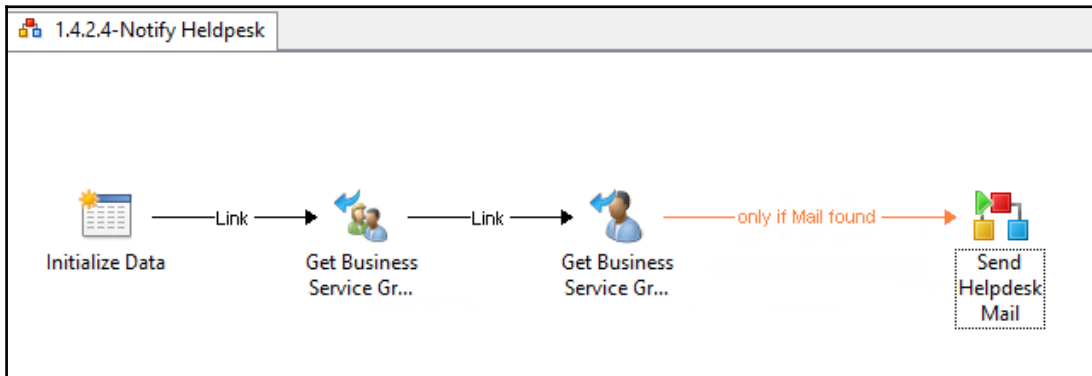
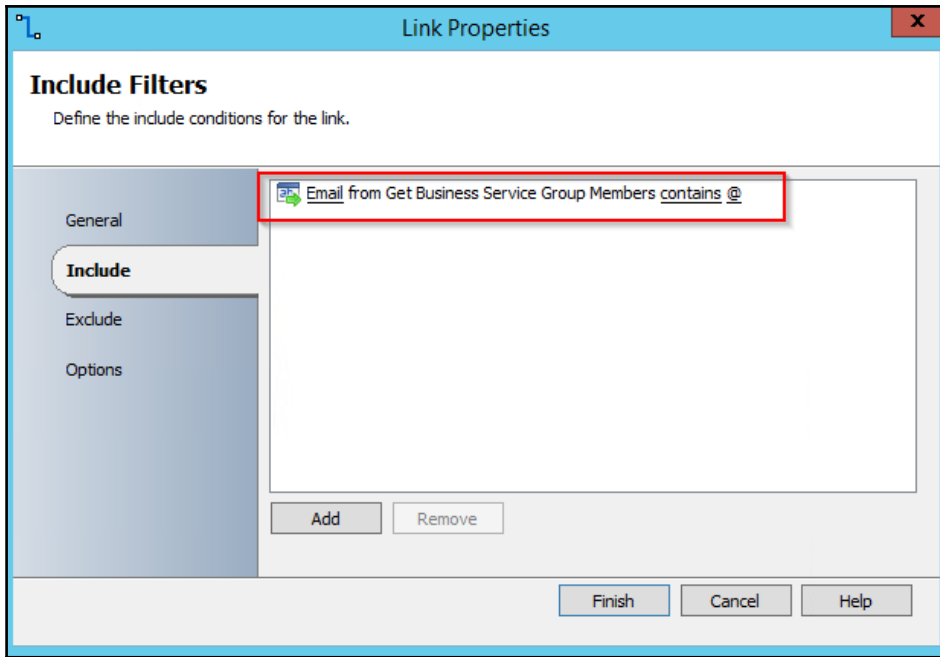


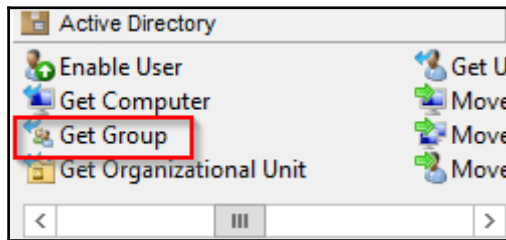
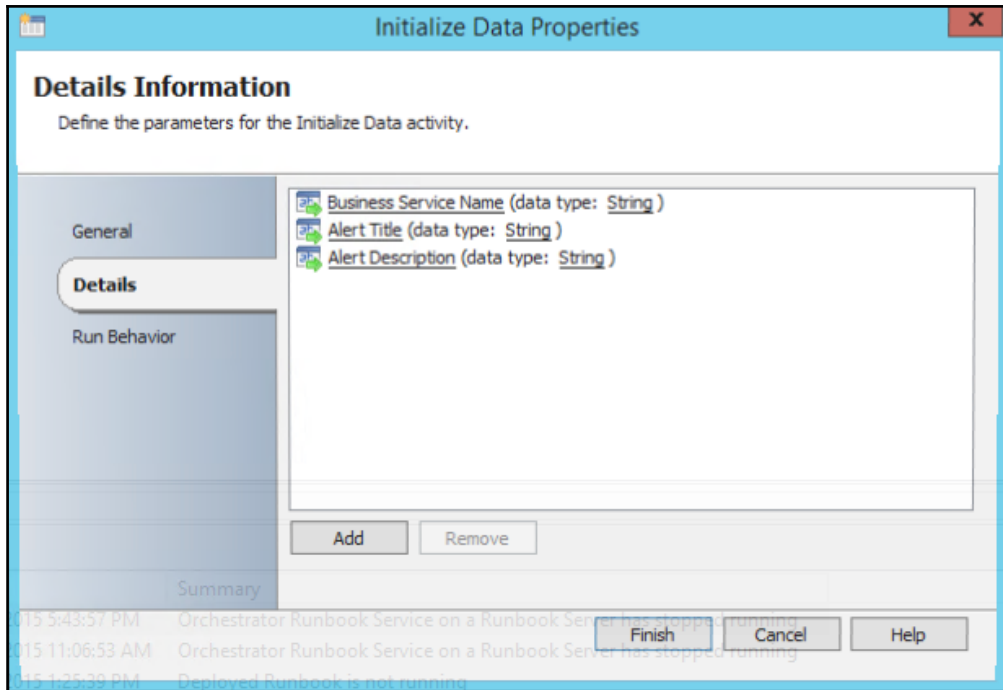


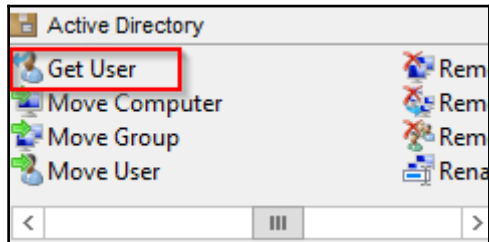
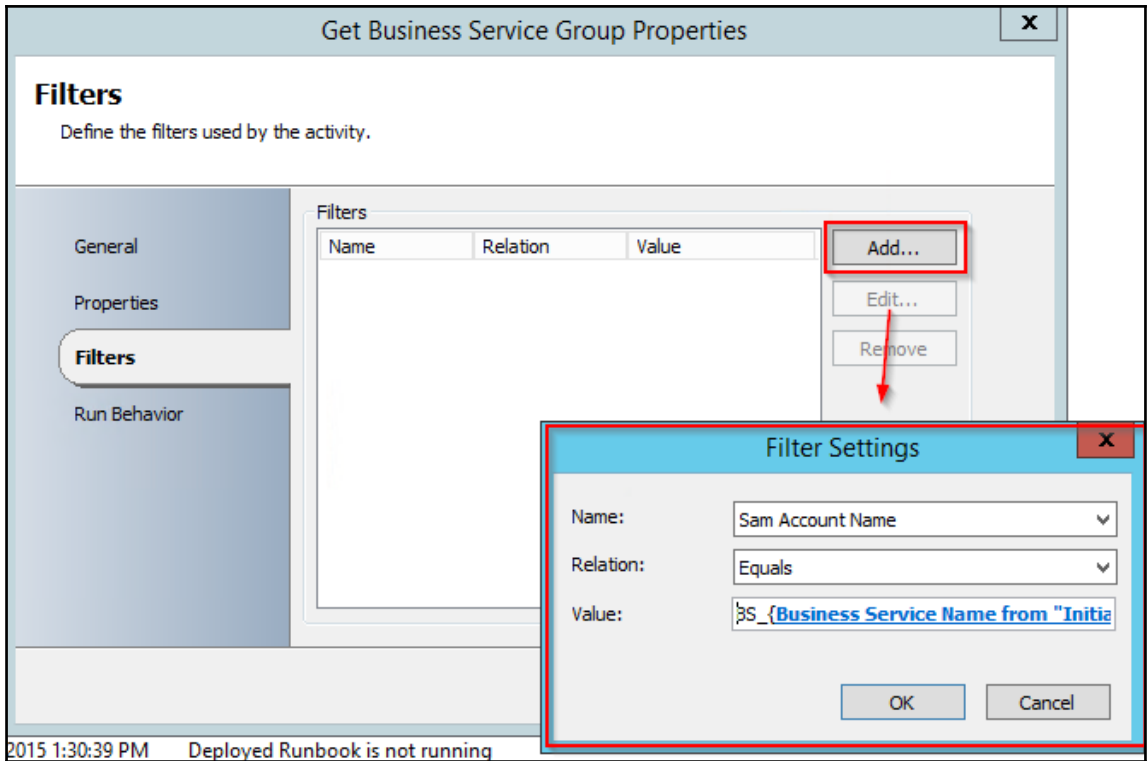


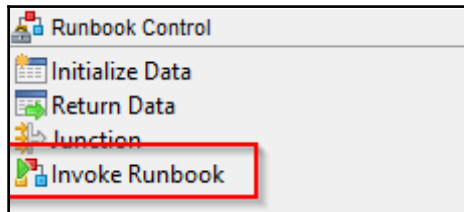
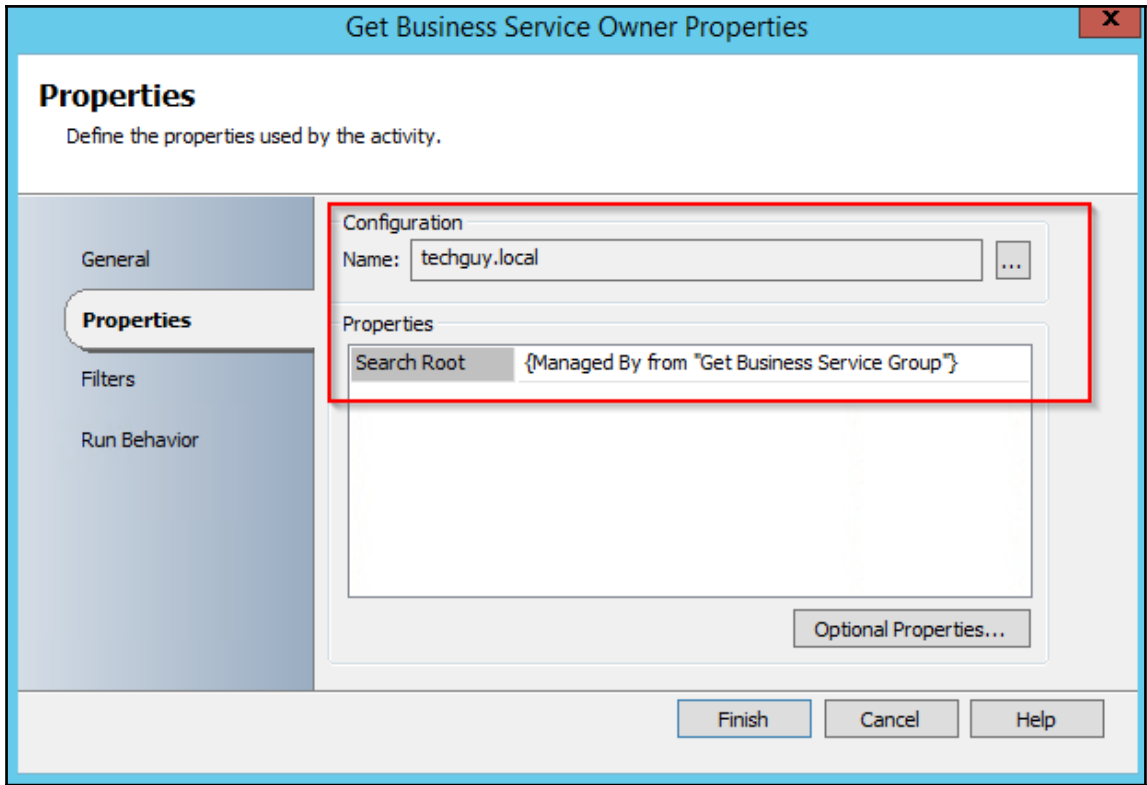


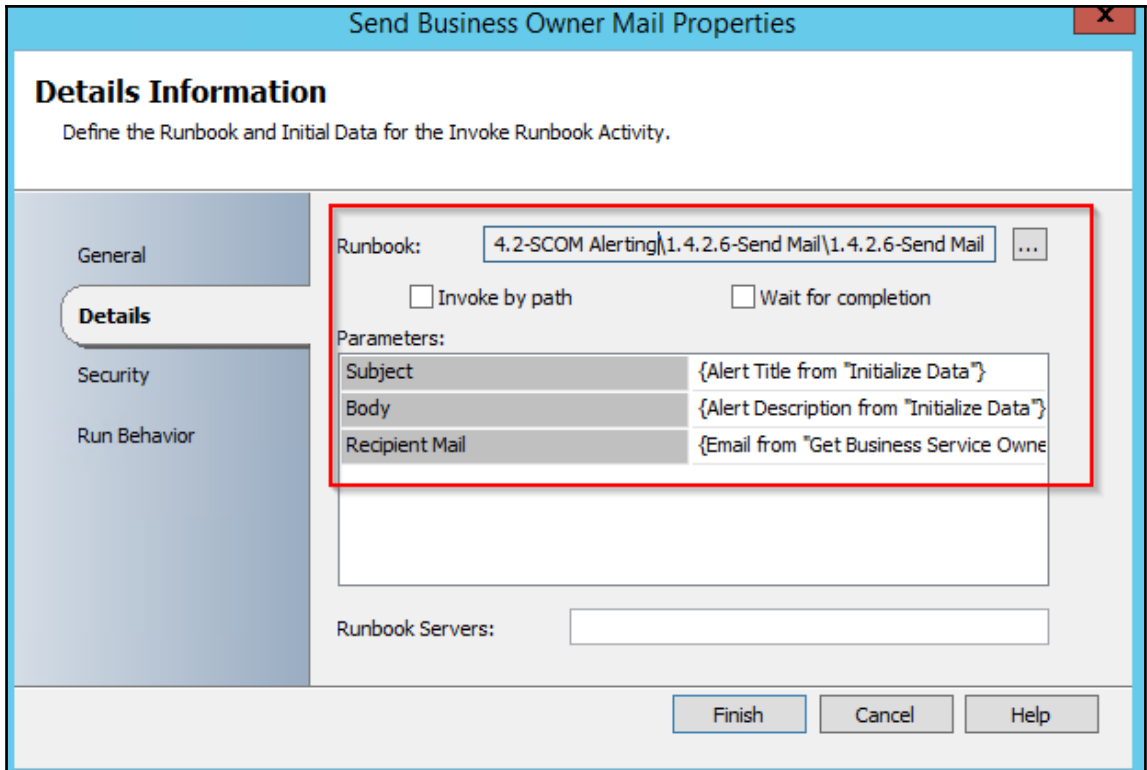


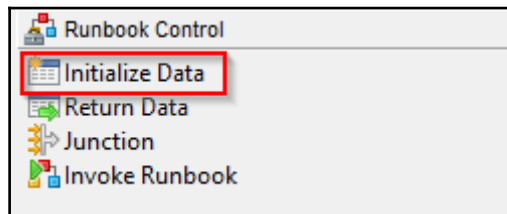
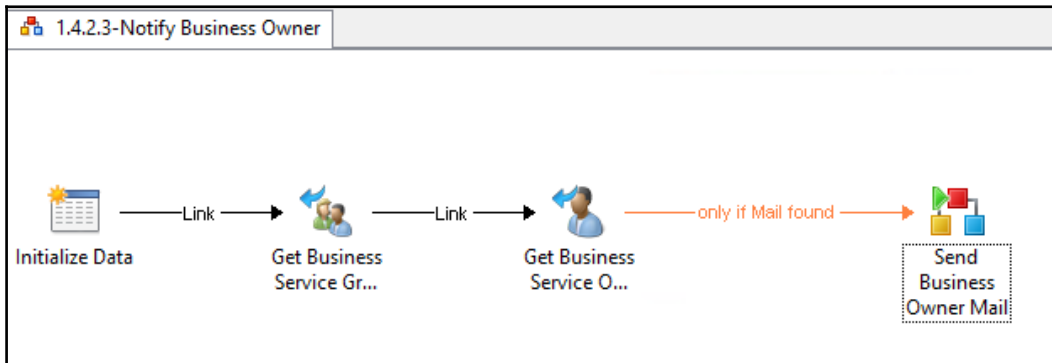
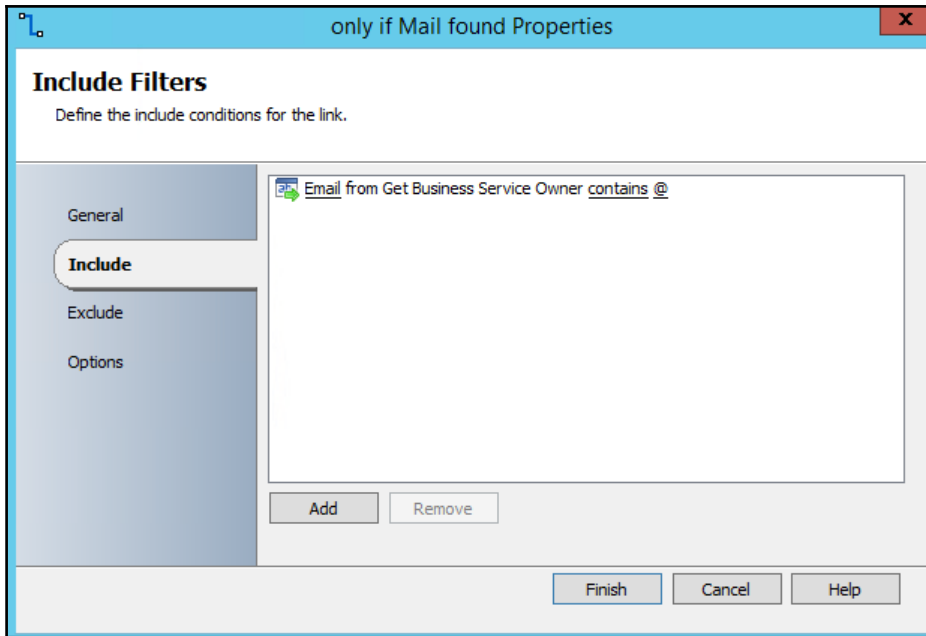


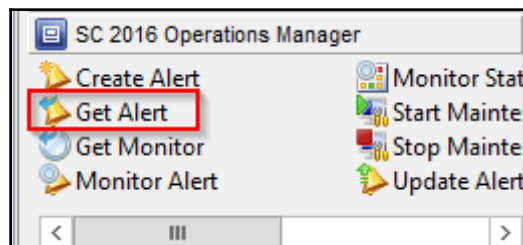
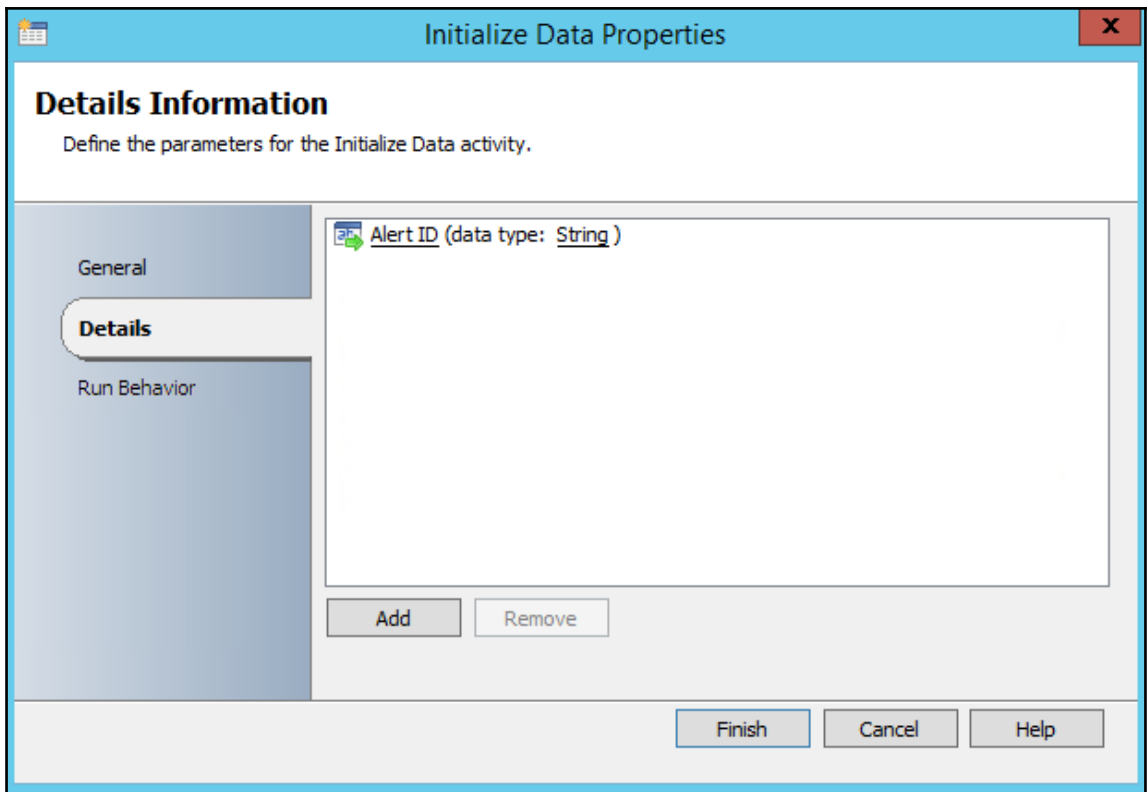


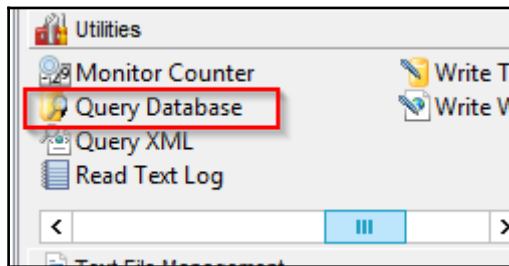
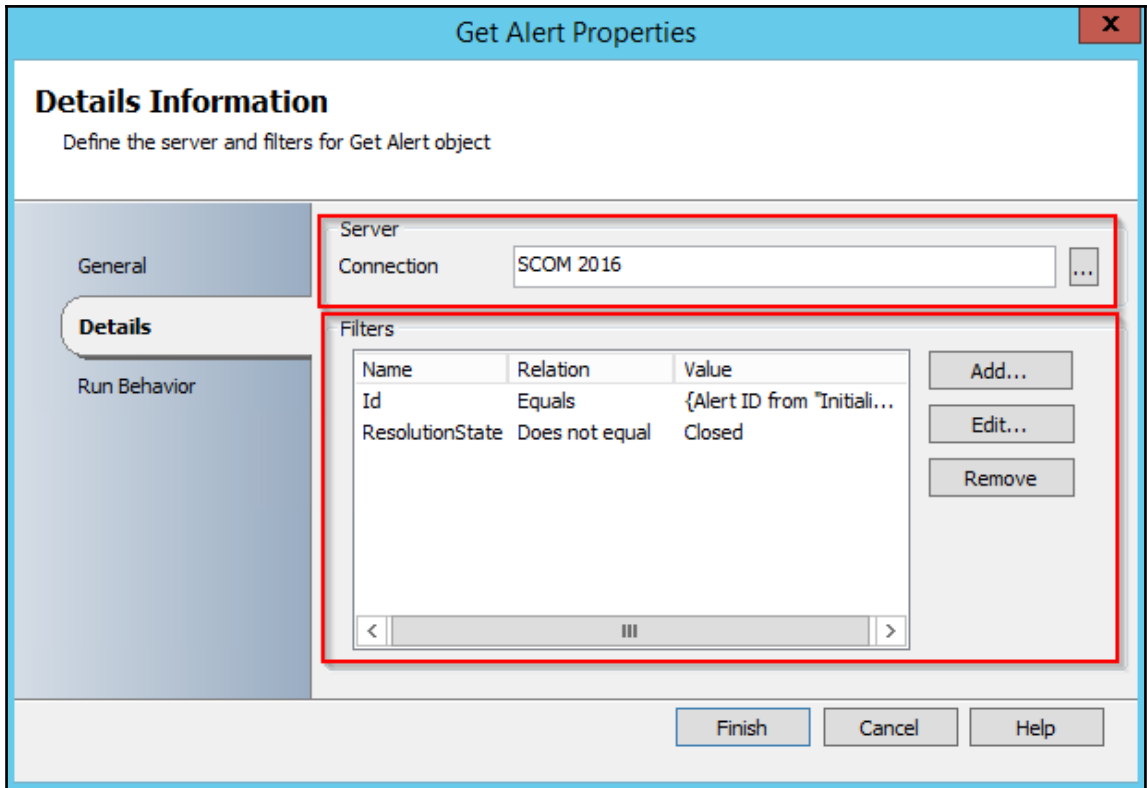


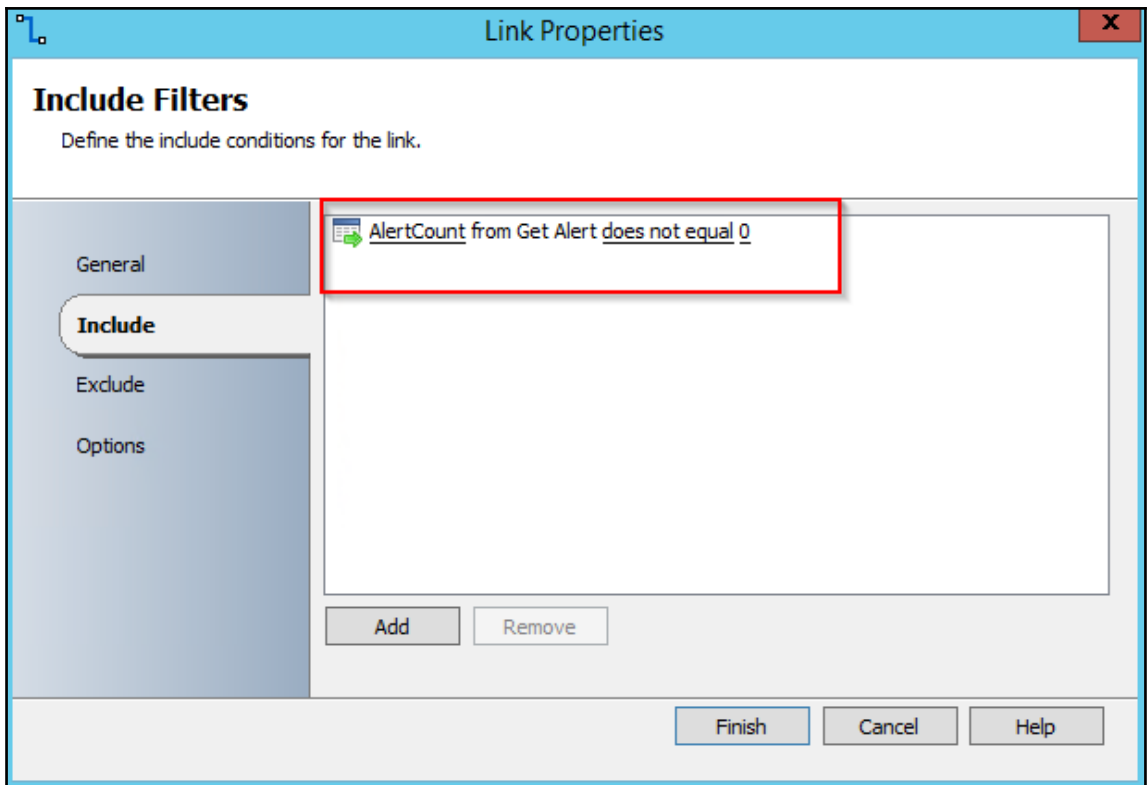


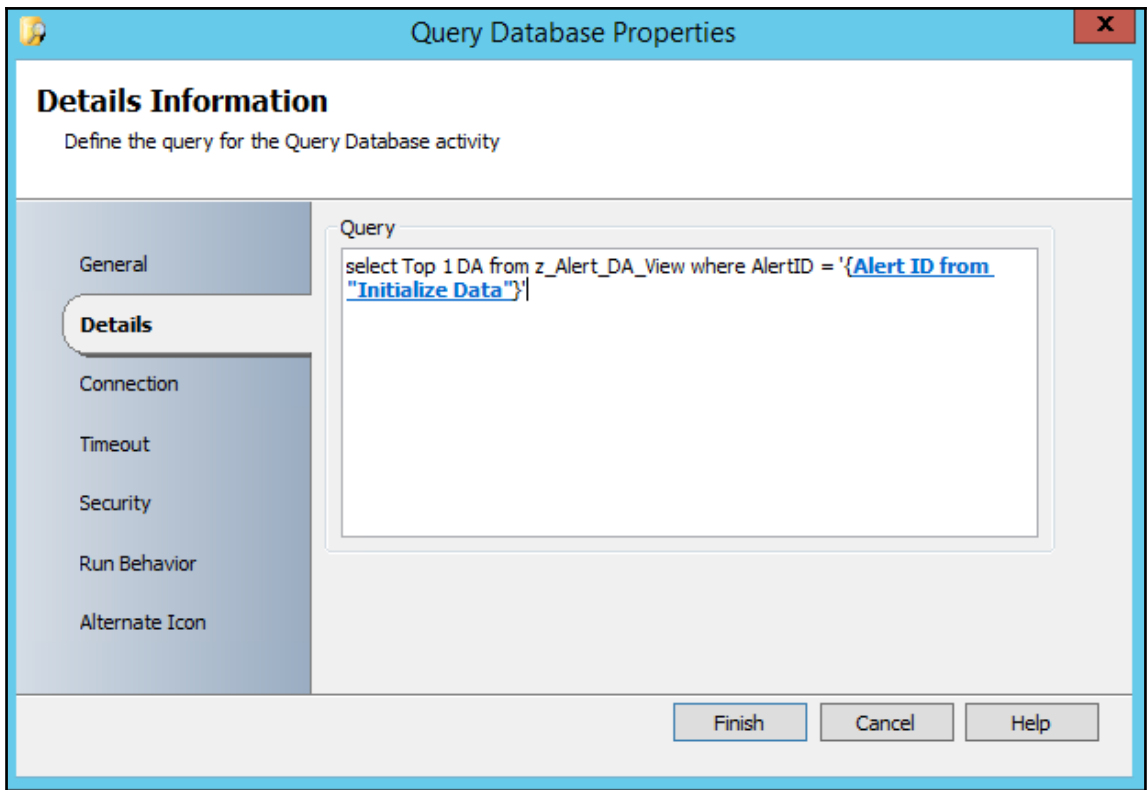


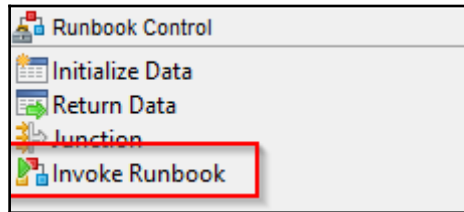
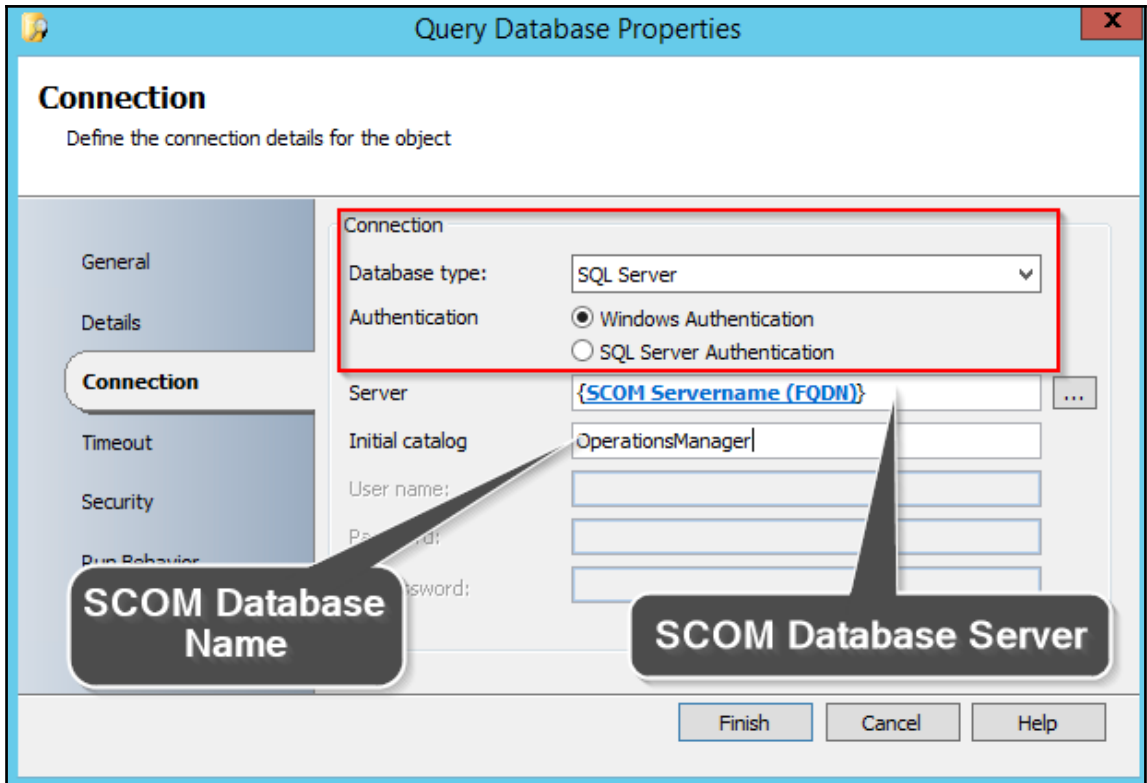


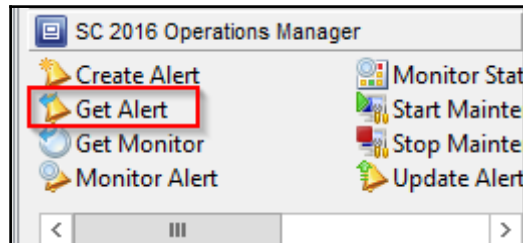
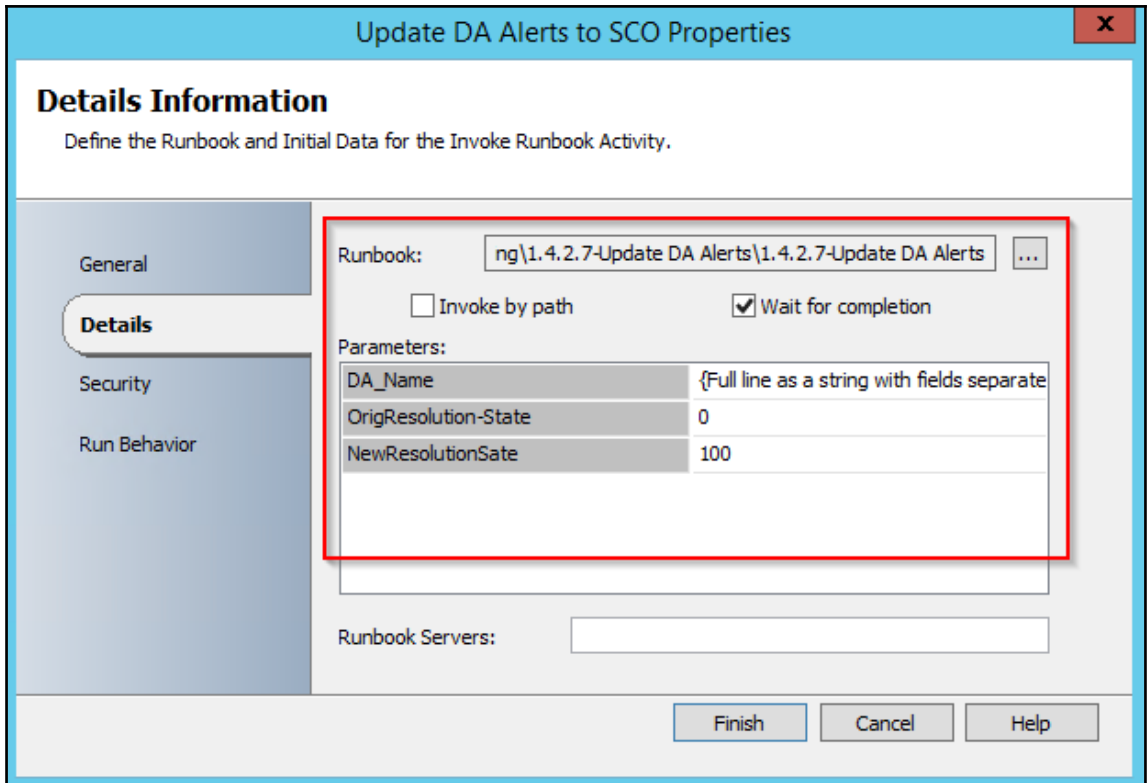


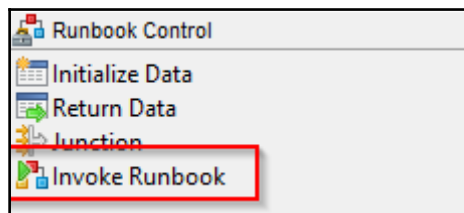
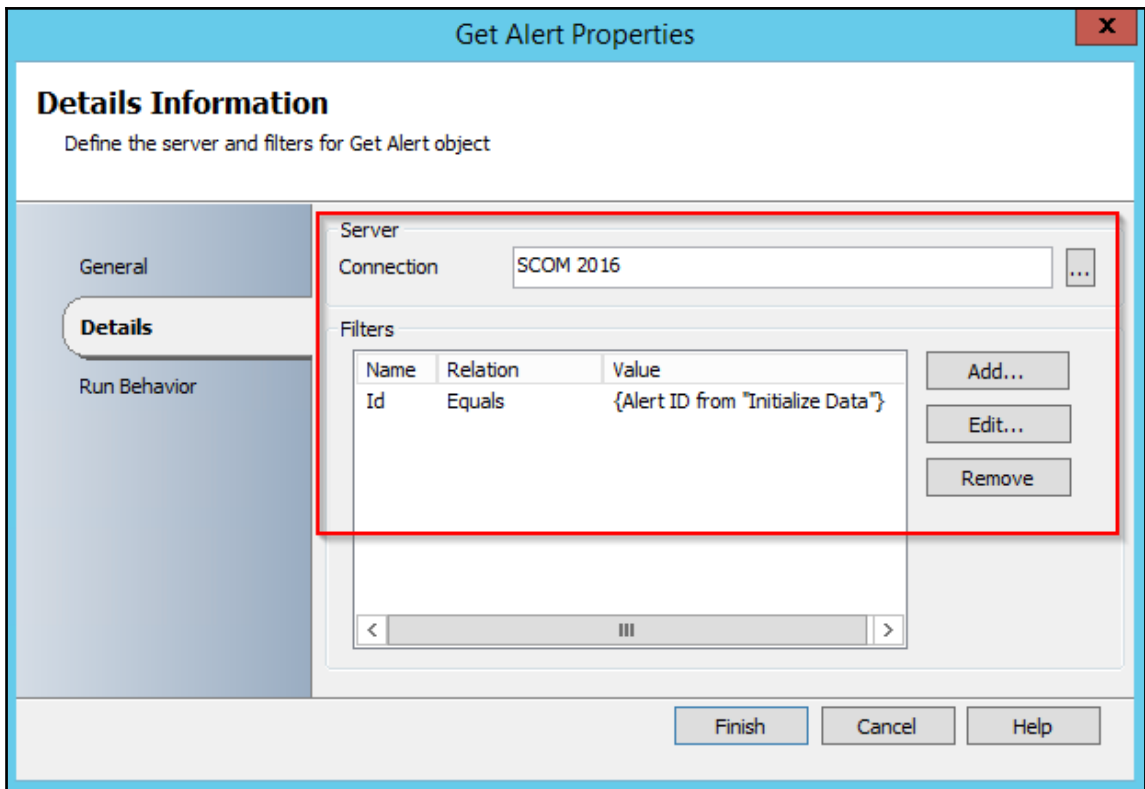








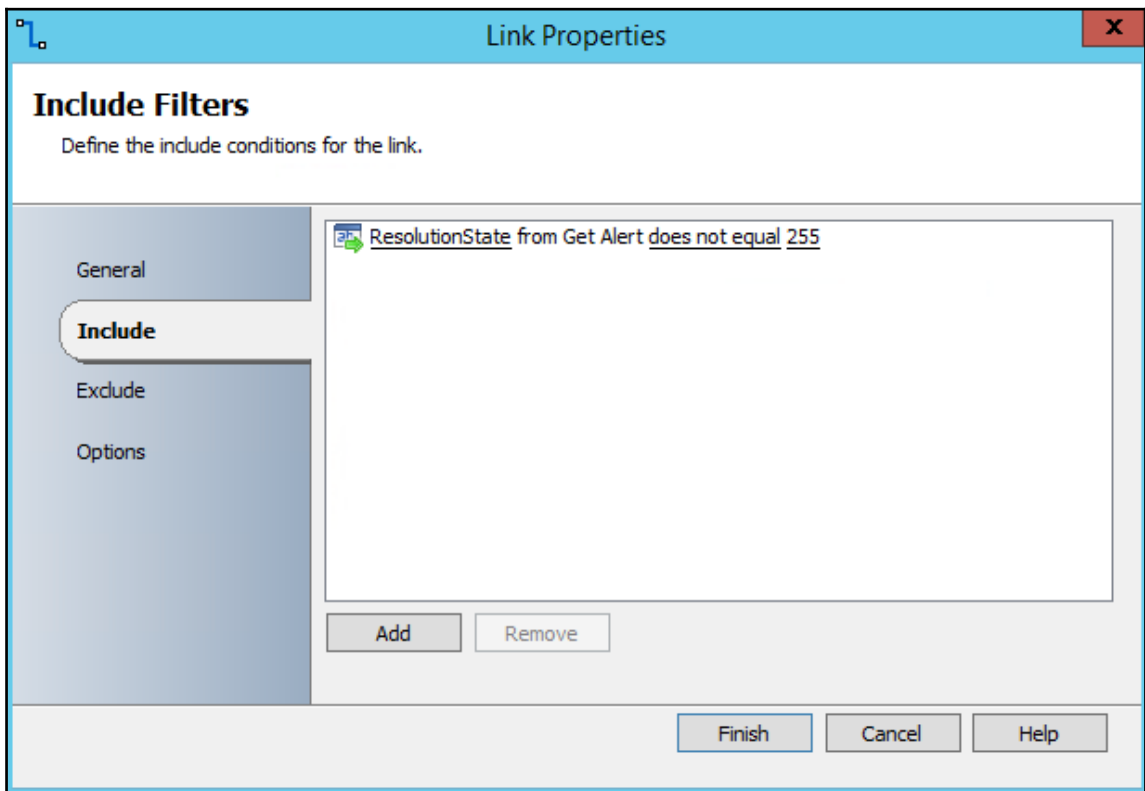


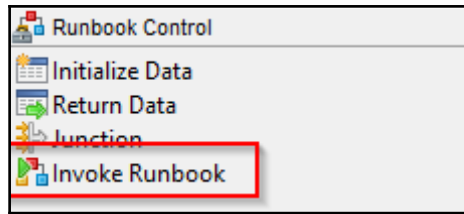


DA Alert: {Full line as a string with fields separated by ';' from "Query for DA"}

{Full line as a string with fields separated by ';' from "Query for DA"}


```
<b>DA:</b> {Full line as a string with fields separated by ';' from "Query for DA"}<br>
<b>Alert:</b> {Name from "Get Alert"}<br>
<b>Source:</b> {MonitoringObjectDisplayName from "Get Alert"}<br>
<b>Path:</b> {MonitoringObjectPath from "Get Alert"}<br>
<b>Description:</b> {Description from "Get Alert"}<br>
<b>Severity:</b> {Severity from "Get Alert"}<br>
<b>Priority:</b> {Priority from "Get Alert"}<br>
```

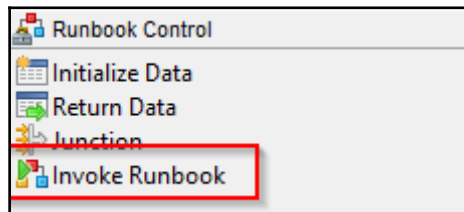


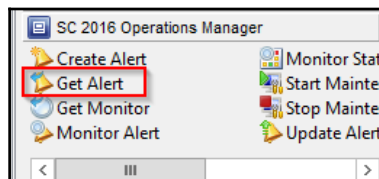
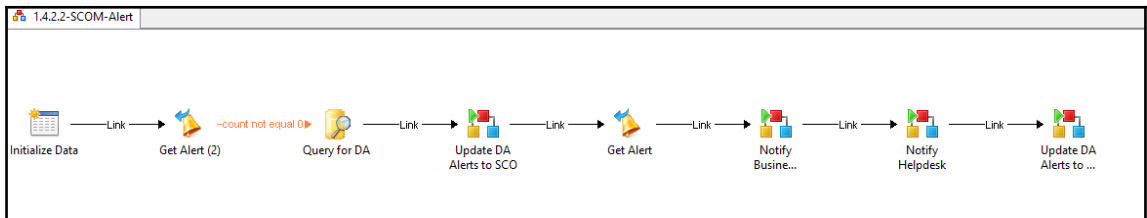
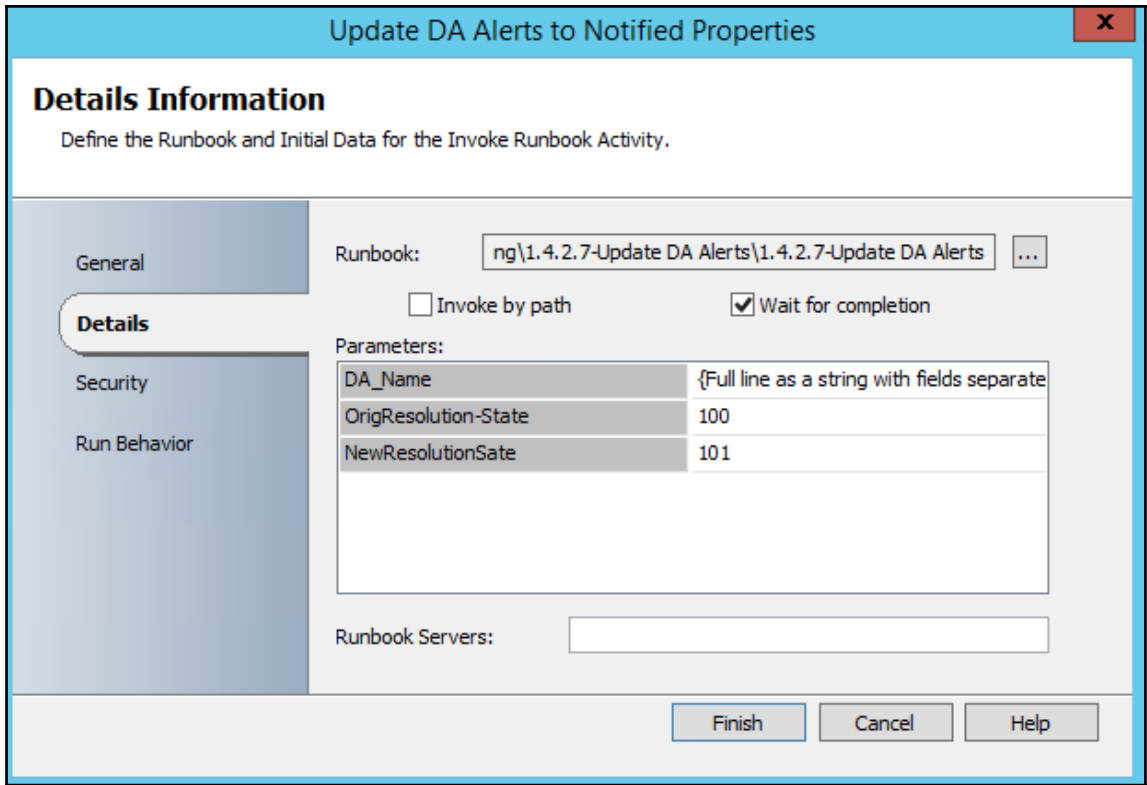


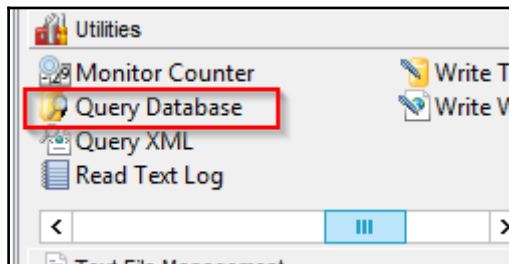
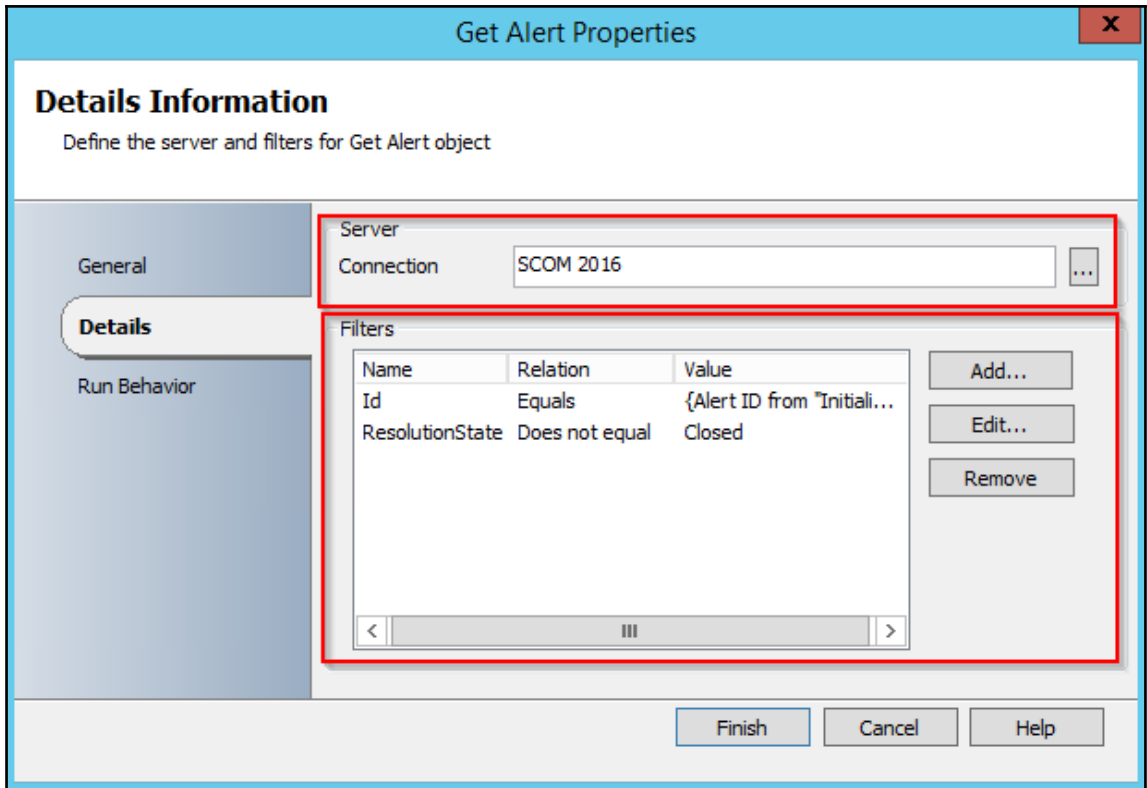
DA Alert: {Full line as a string with fields separated by ';' from "Query for DA"}

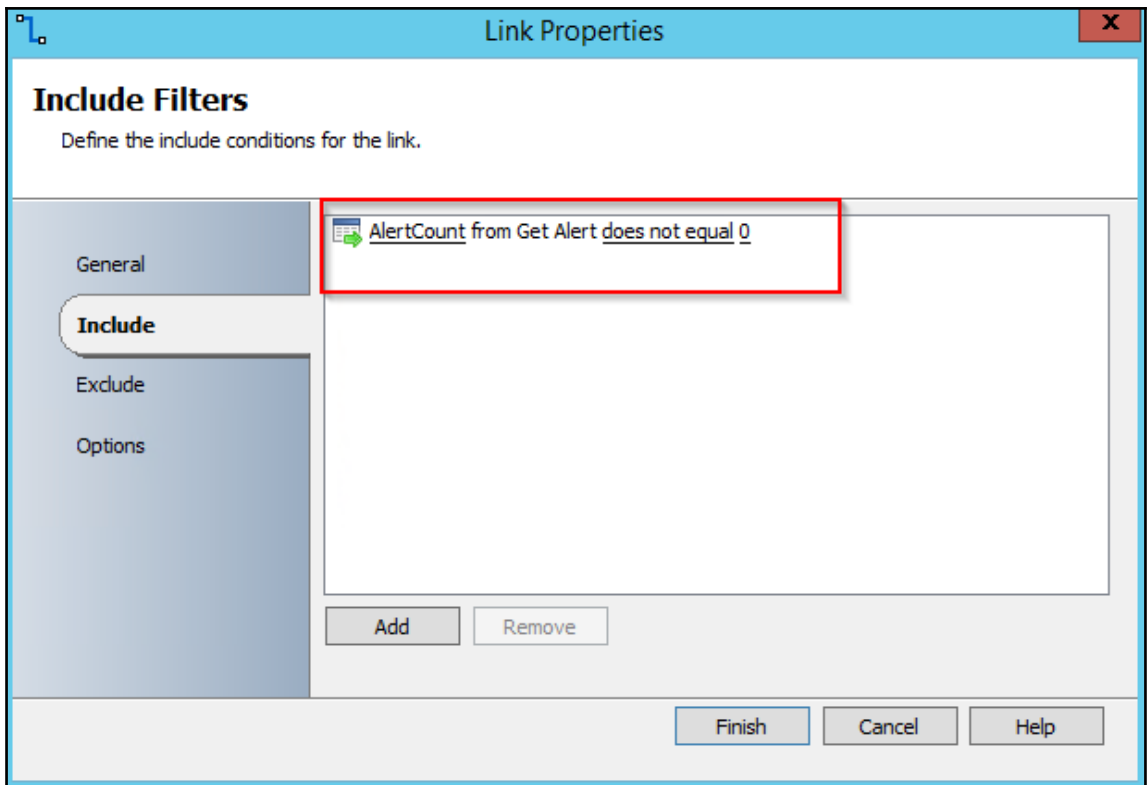
{Full line as a string with fields separated by ';' from "Query for DA"}

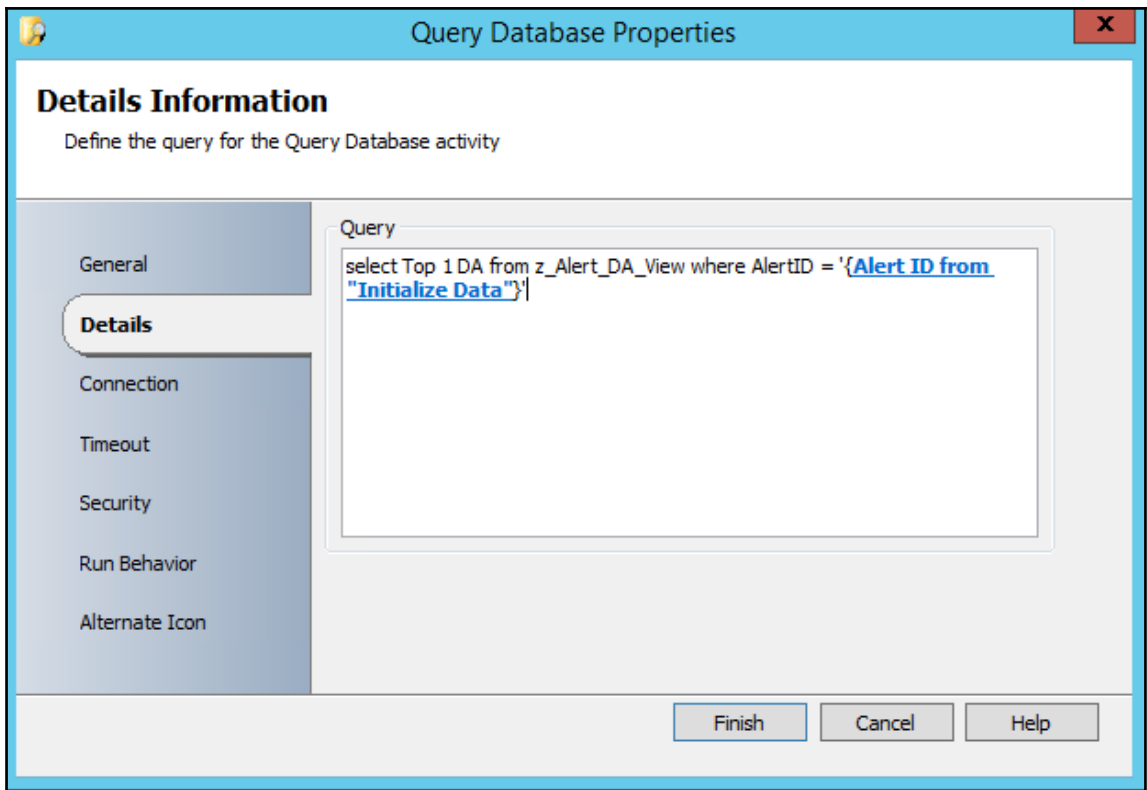
```
<b>DA:</b> {Full line as a string with fields separated by ';' from "Query for DA"}<br>
<b>Alert:</b> {Name from "Get Alert"}<br>
<b>Source:</b> {MonitoringObjectDisplayName from "Get Alert"}<br>
<b>Path:</b> {MonitoringObjectPath from "Get Alert"}<br>
<b>Description:</b> {Description from "Get Alert"}<br>
<b>Severity:</b> {Severity from "Get Alert"}<br>
<b>Priority:</b> {Priority from "Get Alert"}<br>
```

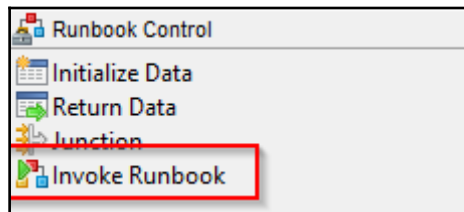
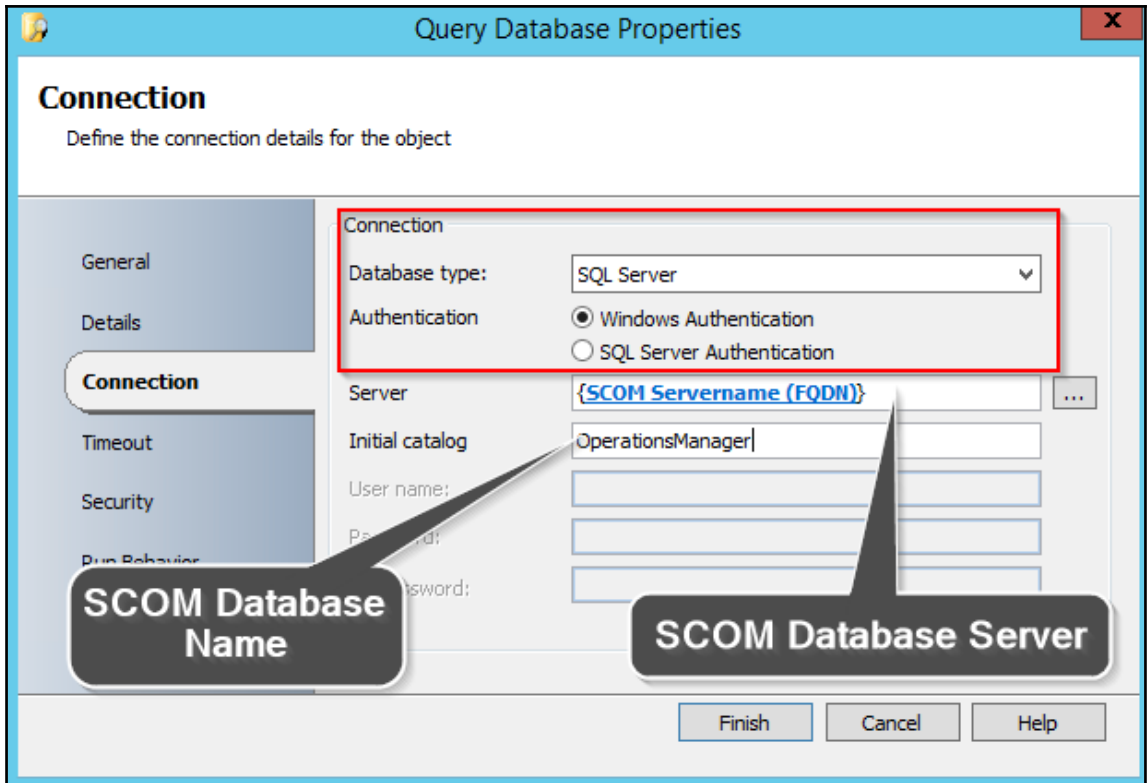


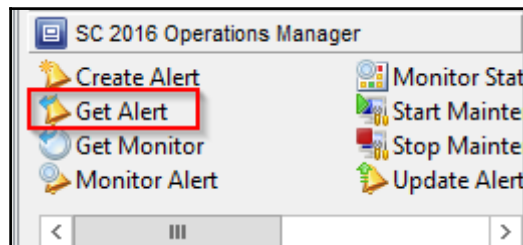
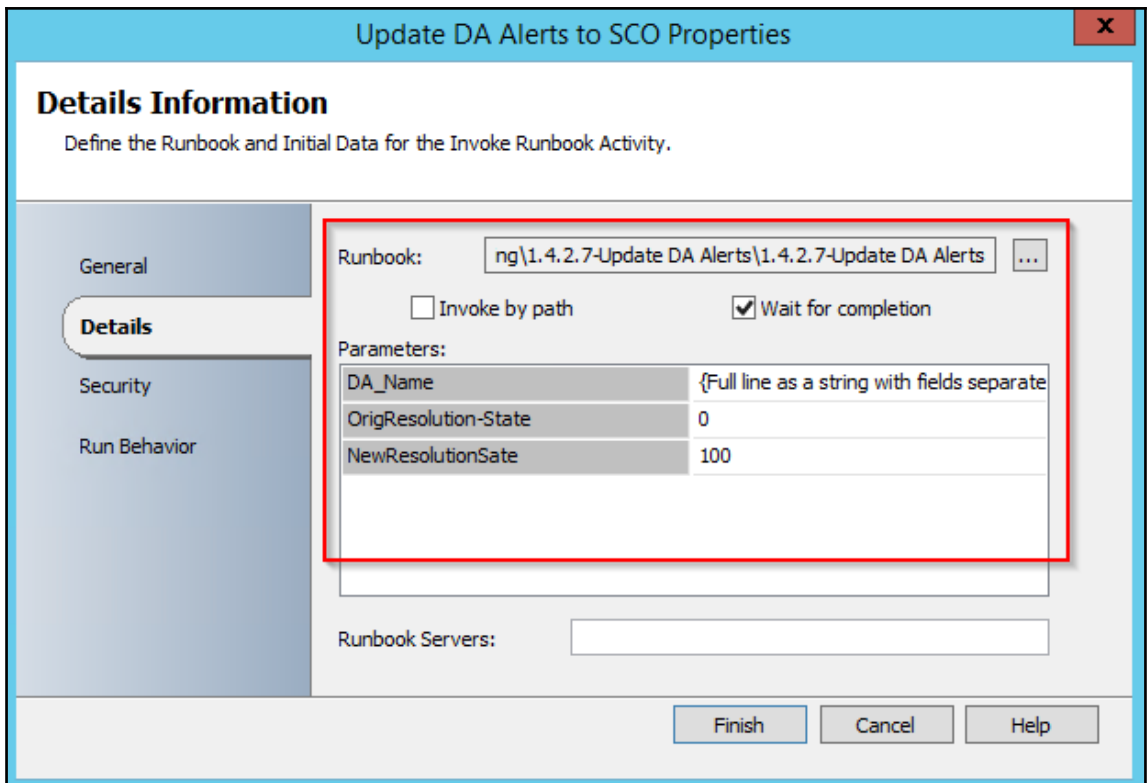


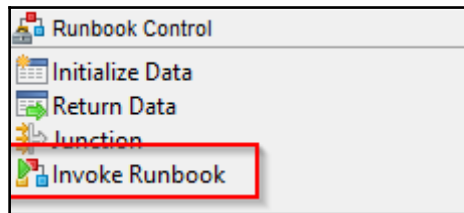
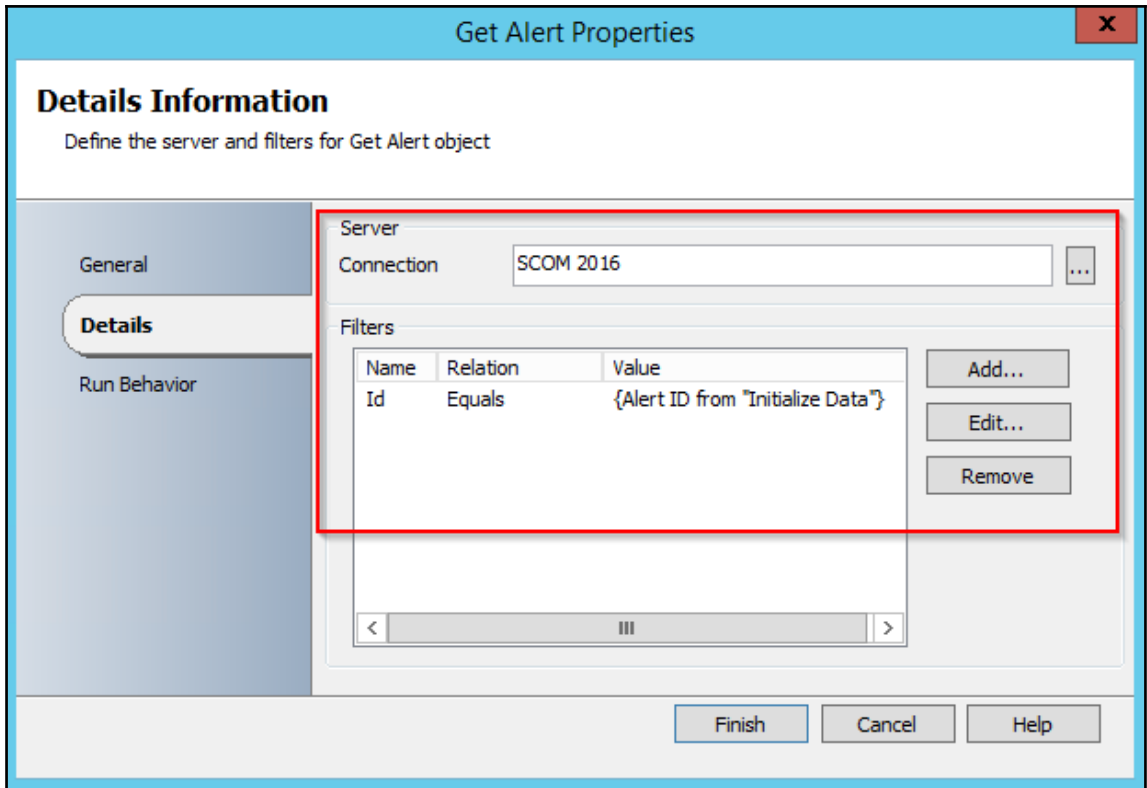








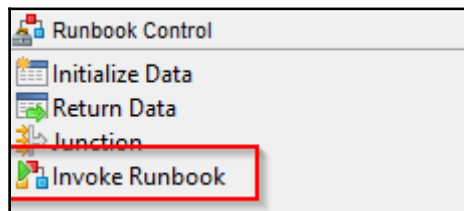
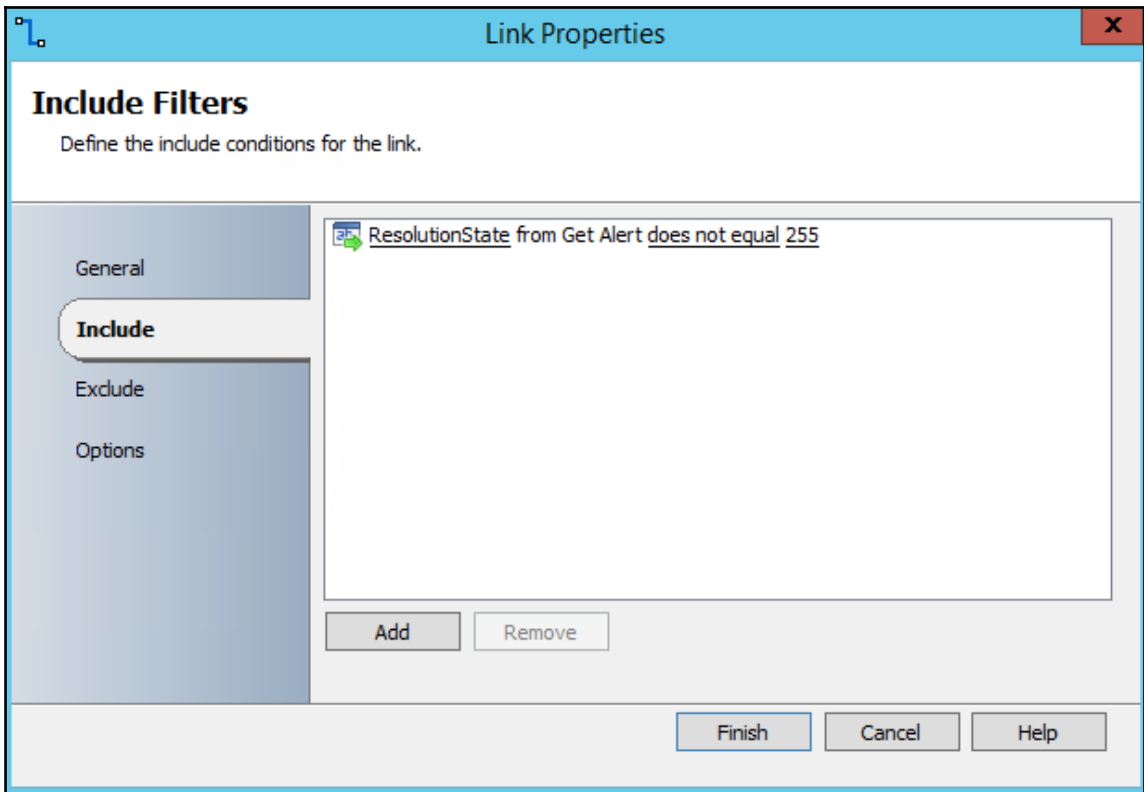




DA Alert: {Full line as a string with fields separated by ';' from "Query for DA"}

{Full line as a string with fields separated by ';' from "Query for DA"}

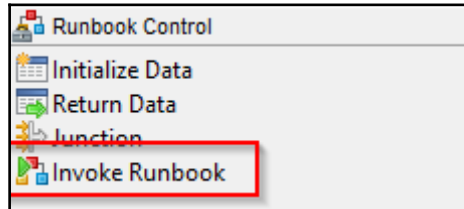
```
<b>DA:</b> {Full line as a string with fields separated by ';' from "Query for DA"}<br>
<b>Alert:</b> {Name from "Get Alert"}<br>
<b>Source:</b> {MonitoringObjectDisplayName from "Get Alert"}<br>
<b>Path:</b> {MonitoringObjectPath from "Get Alert"}<br>
<b>Description:</b> {Description from "Get Alert"}<br>
<b>Severity:</b> {Severity from "Get Alert"}<br>
<b>Priority:</b> {Priority from "Get Alert"}<br>
```

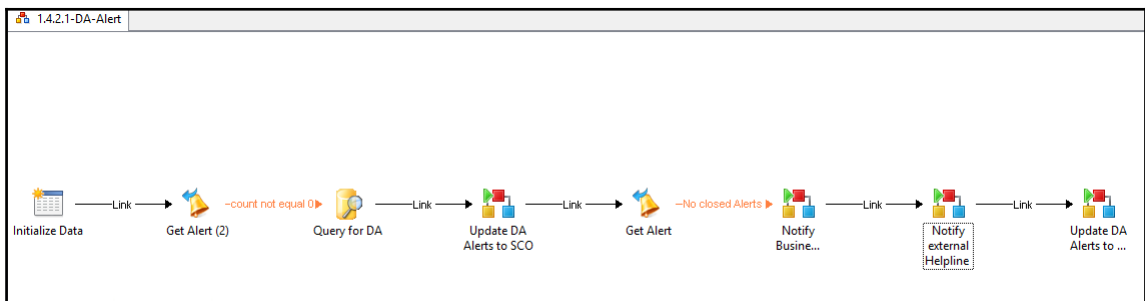
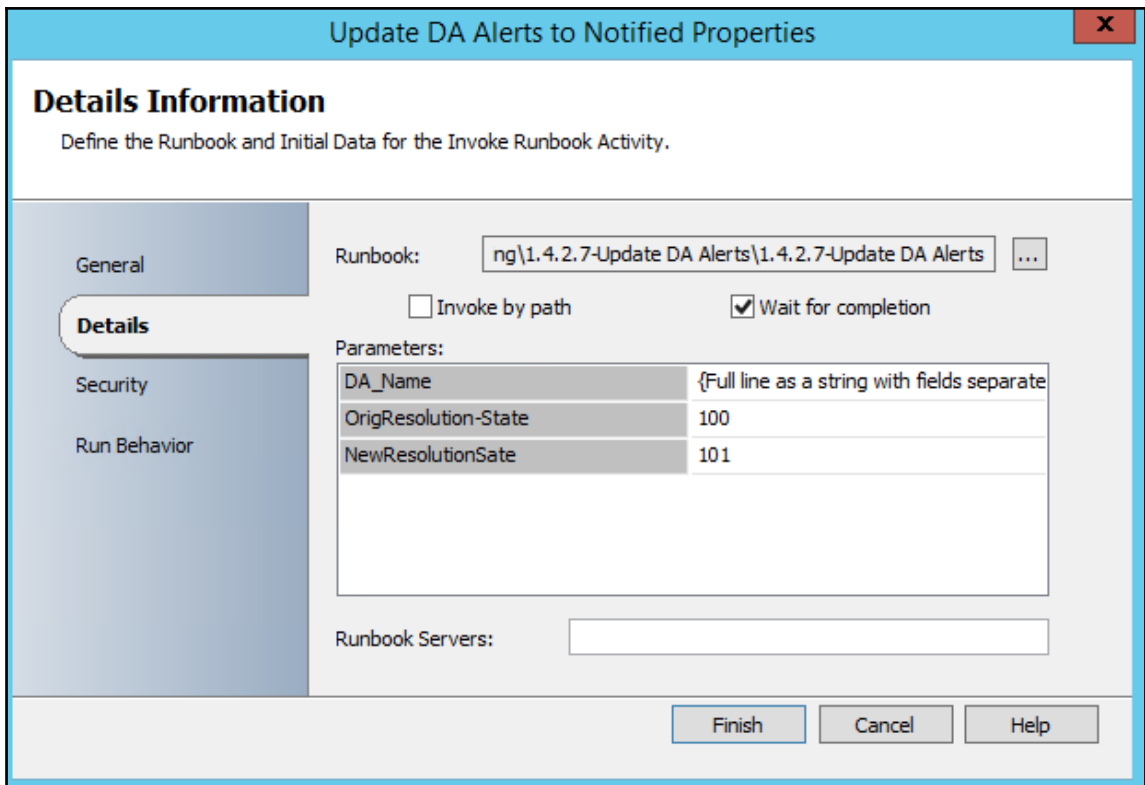


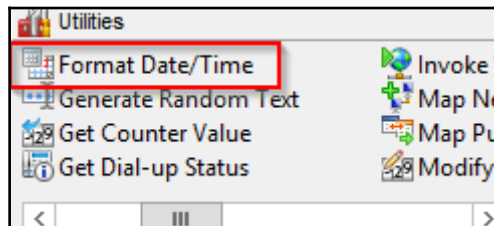
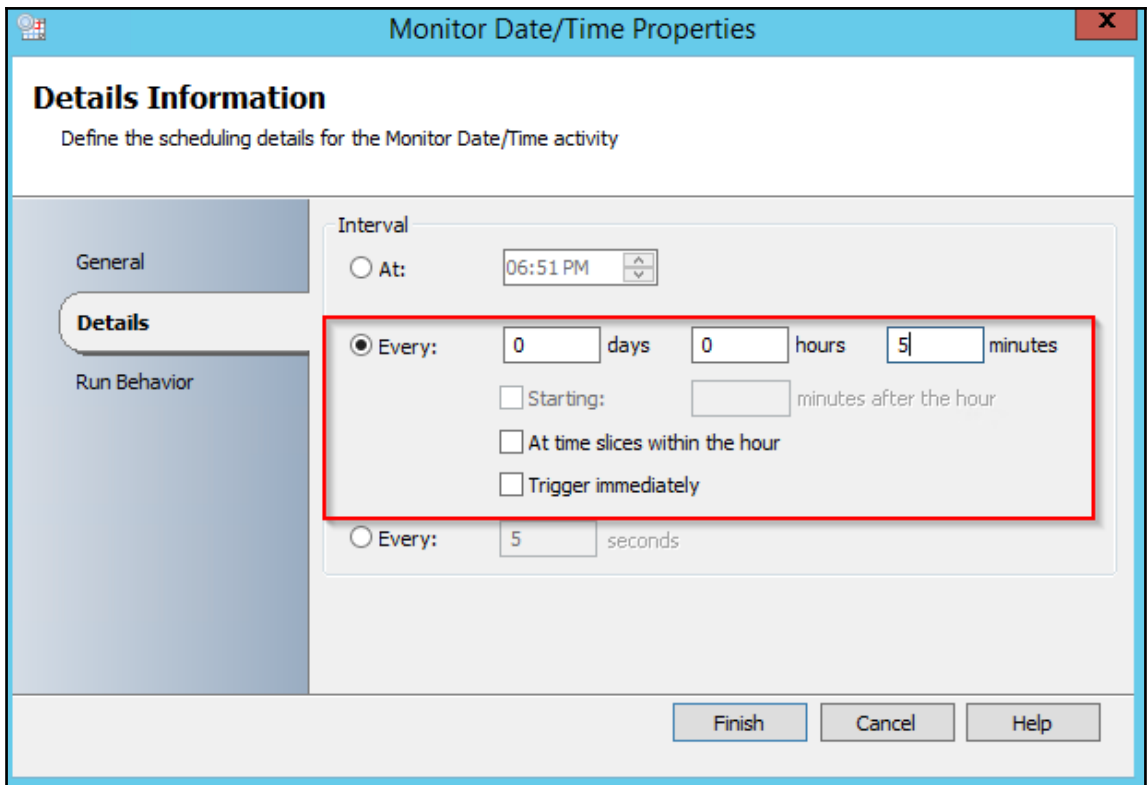
DA DOWN: {Full line as a string with fields separated by ';' from "Query for DA"}

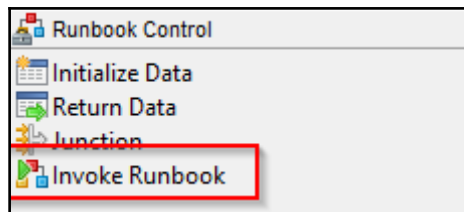
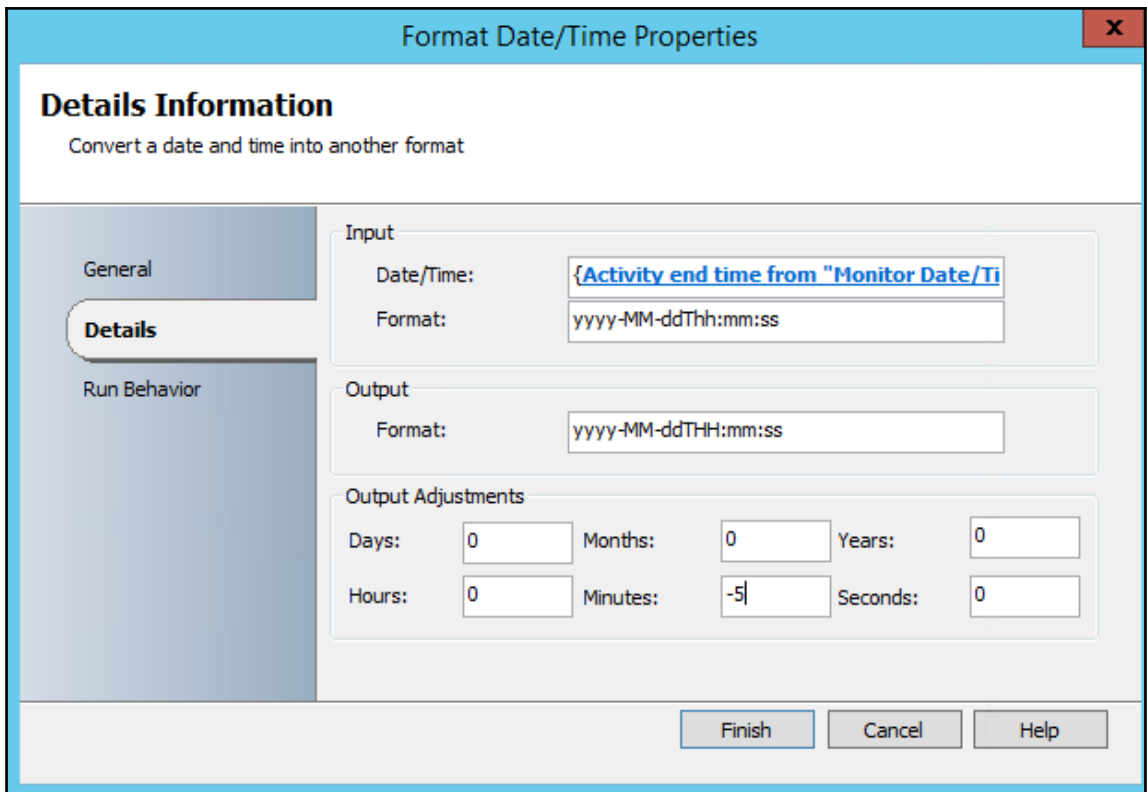
{Full line as a string with fields separated by ';' from "Query for DA"}

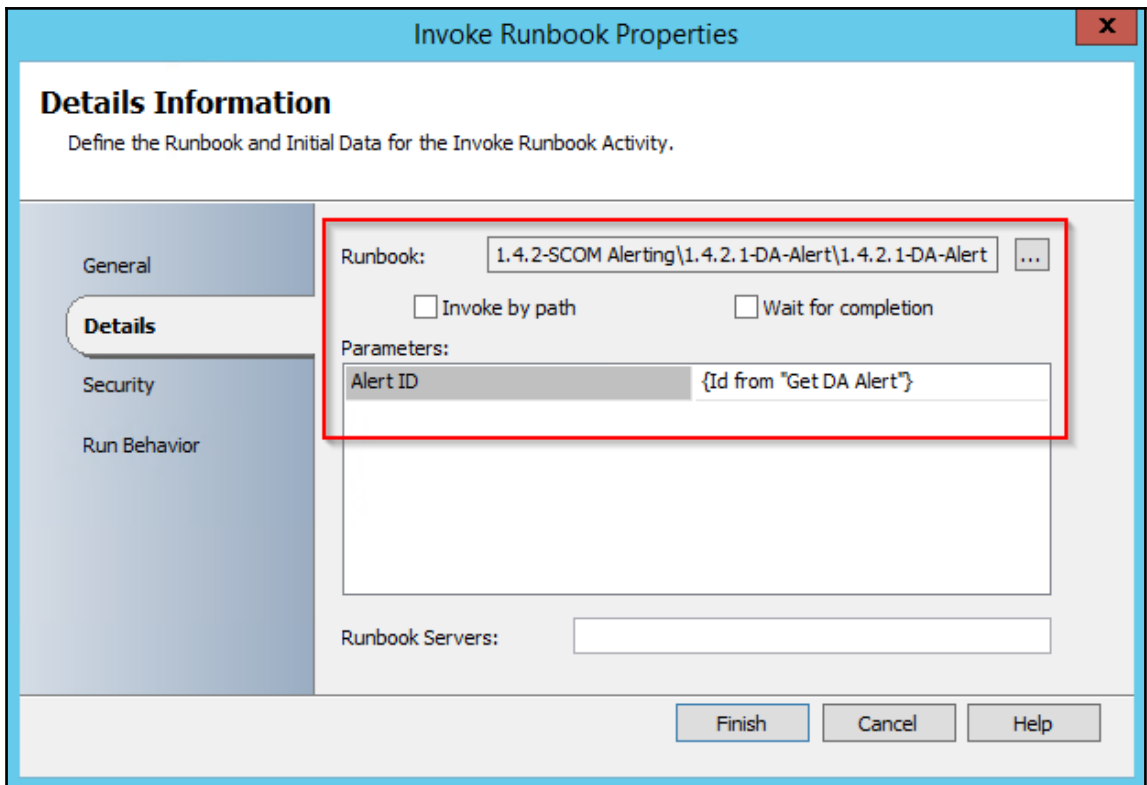
```
<b>DA:</b> {Full line as a string with fields separated by ';' from "Query for DA"}<br>
<b>Alert:</b> {Name from "Get Alert"}<br>
<b>Source:</b> {MonitoringObjectDisplayName from "Get Alert"}<br>
<b>Path:</b> {MonitoringObjectPath from "Get Alert"}<br>
<b>Description:</b> {Description from "Get Alert"}<br>
<b>Severity:</b> {Severity from "Get Alert"}<br>
<b>Priority:</b> {Priority from "Get Alert"}<br>
```

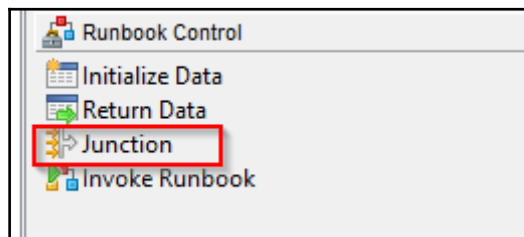
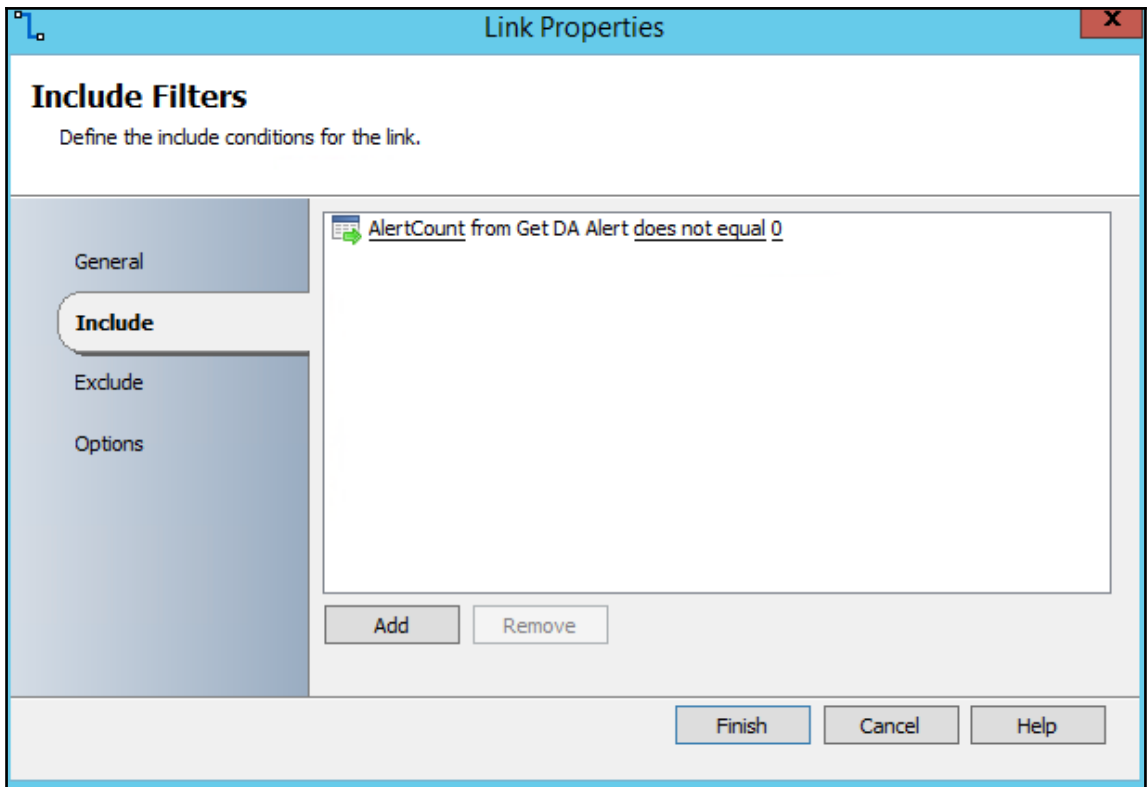


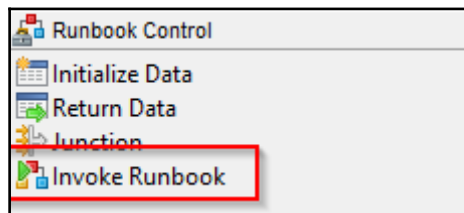
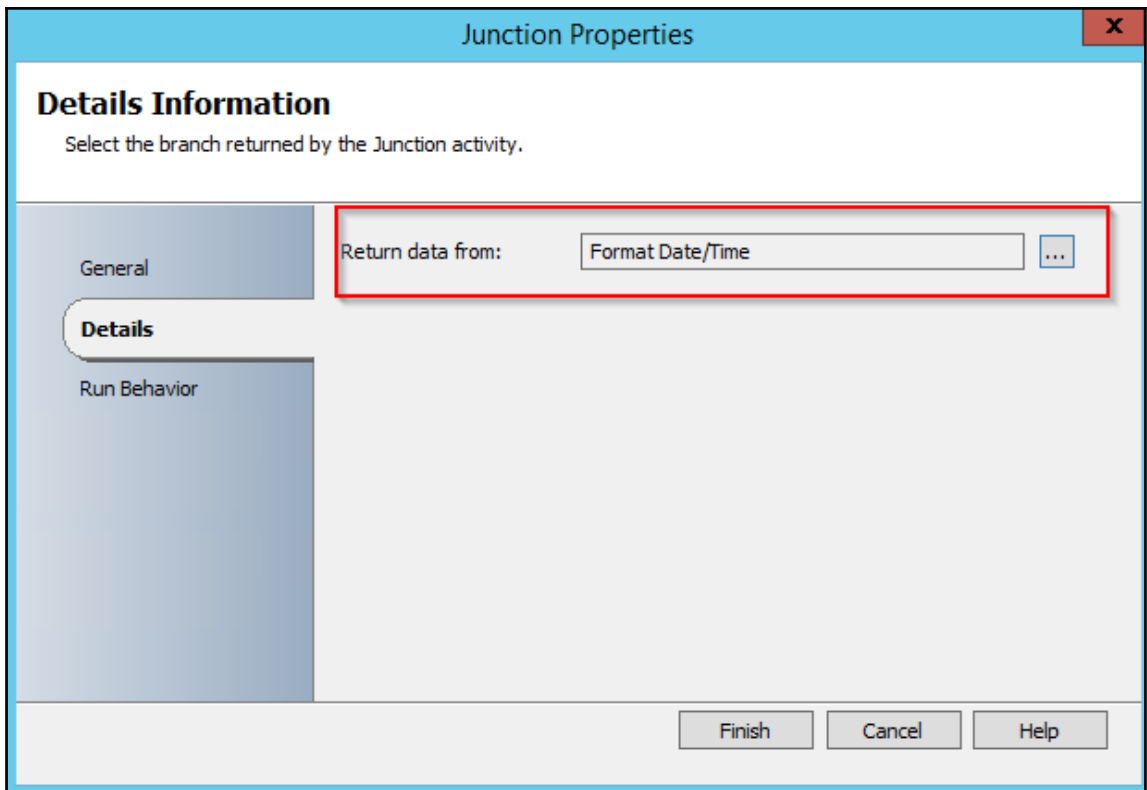


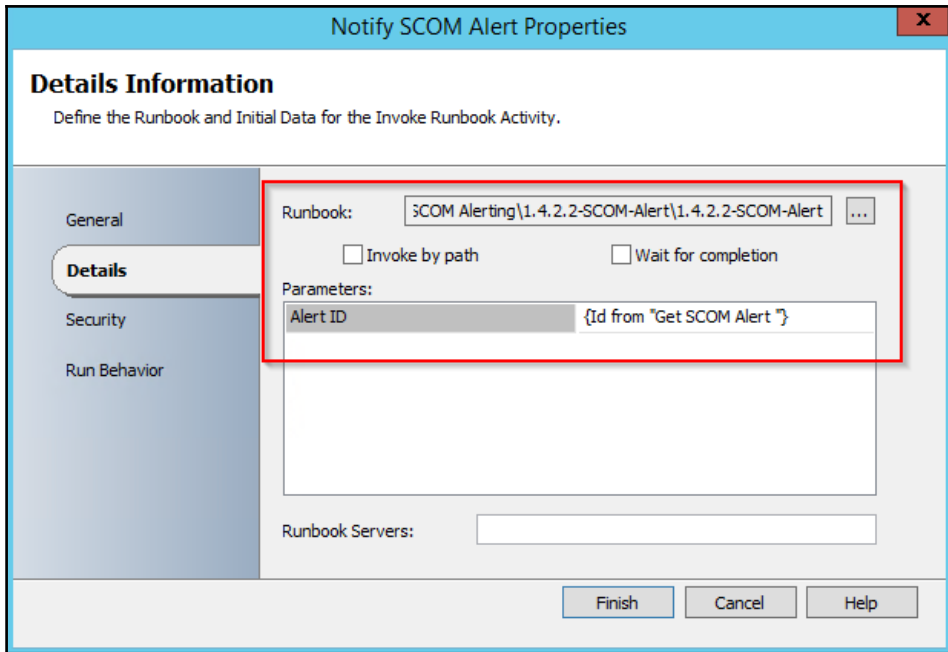


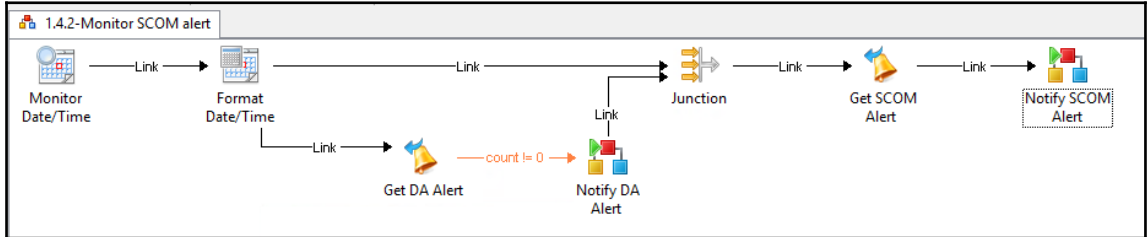
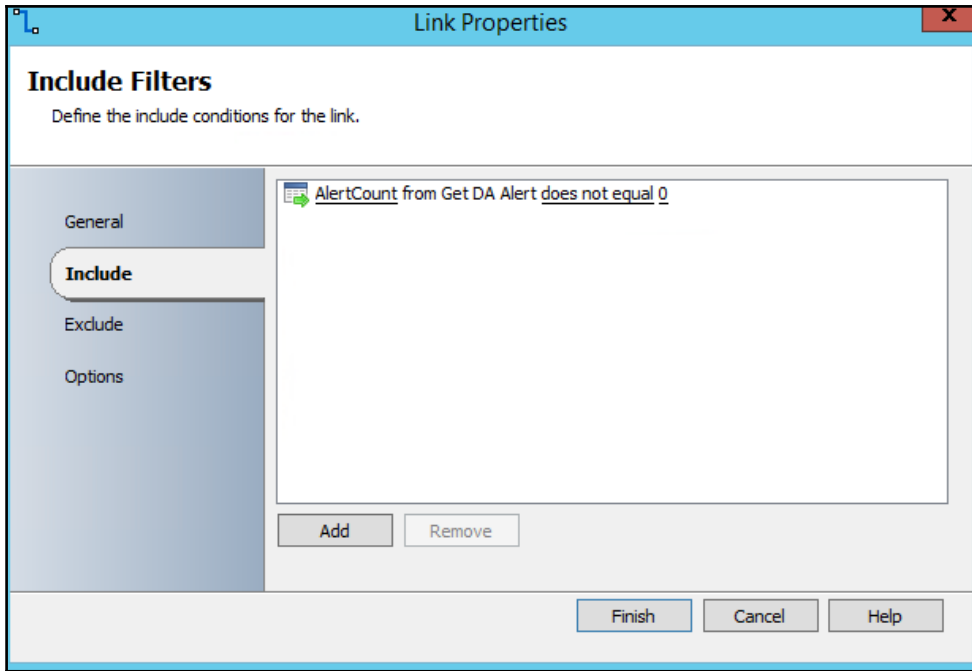


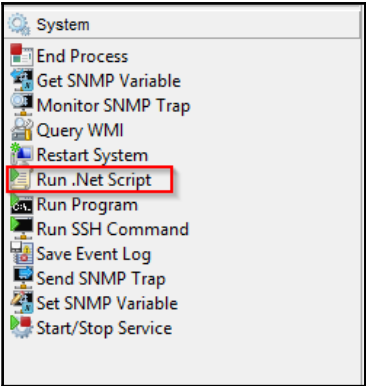




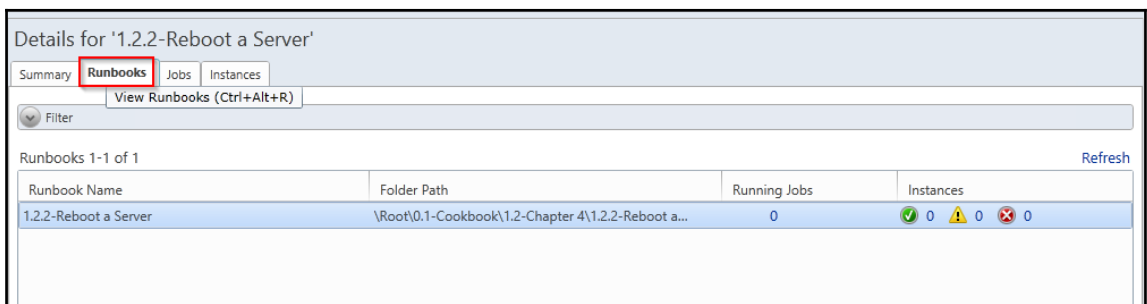
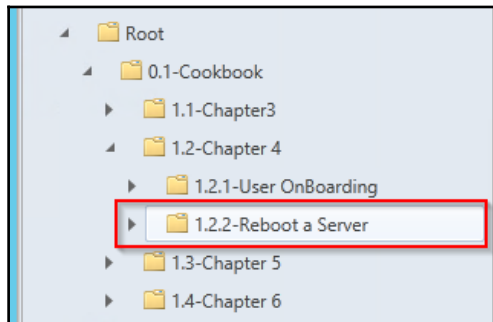
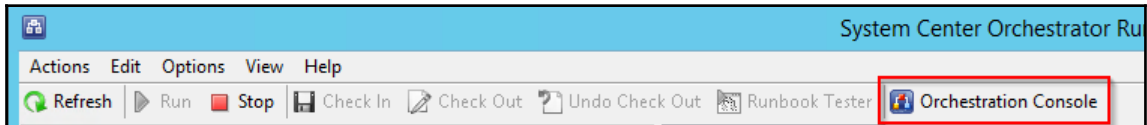


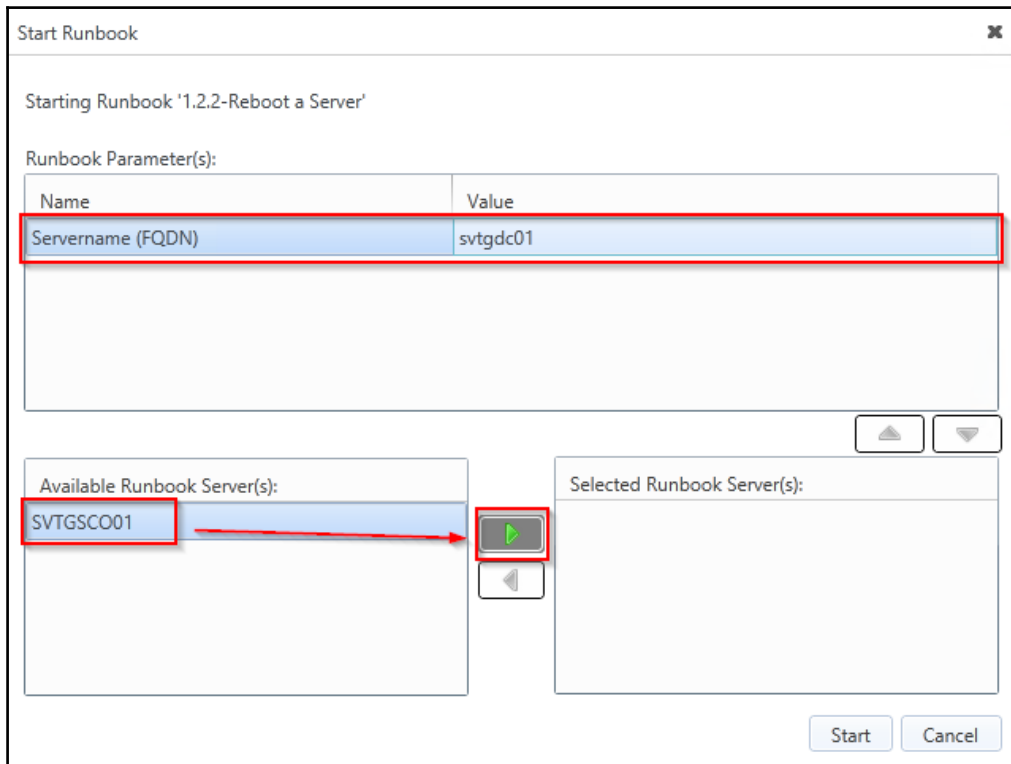
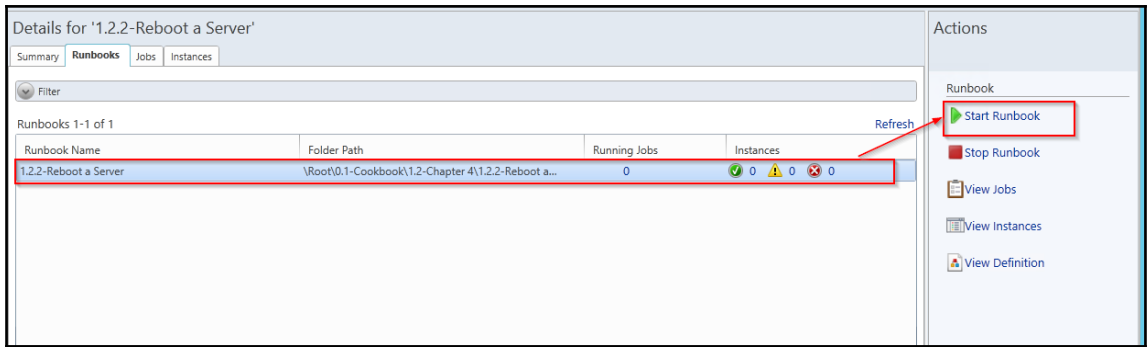






Chapter 7: Doing More with Orchestrator





Start Runbook

Starting Runbook '1.2.2-Reboot a Server'

Runbook Parameter(s):

Name	Value
Servername (FQDN)	svtgd01

Available Runbook Server(s):

Selected Runbook Server(s):

SVTGSCO01

Start Cancel

Summary Runbooks Jobs Instances

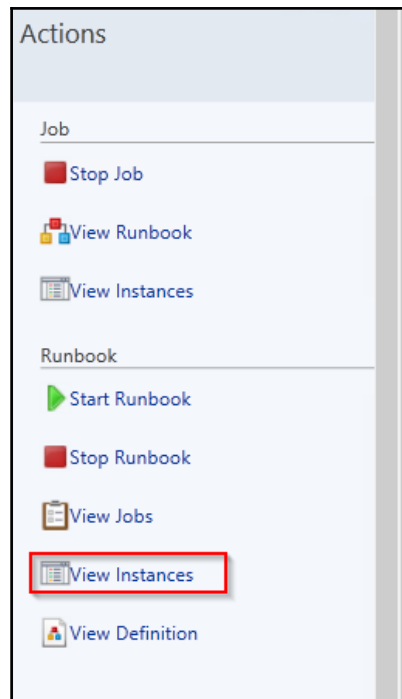
Filter

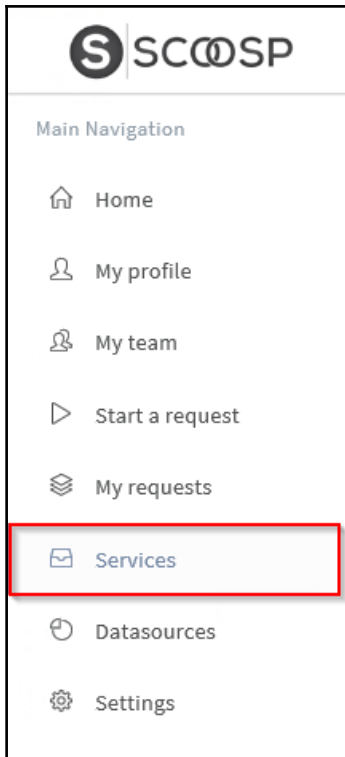
Apply

And/Or	Field Name	Operator	Value
	Id	Equals	ca4699be-80e1-4db3-9b75-1810d5315c1d

Jobs 1-1 of 1 Refresh

Status	Job ID	Runbook Name	Start Time	Last Modified Time	Instances
✓	ca4699be-80e1-4db3-9b75-1810d5315c1d	1.2.2-Reboot a Server	7/13/2017 9:31:42 PM	7/13/2017 9:33:21 PM	0 1 0





Service Details:

- GENERAL
- APPROVER
- ADVANCED
- RUNBOOKS
- SECURITY
- QUESTIONS
- HISTORY

Form Fields:

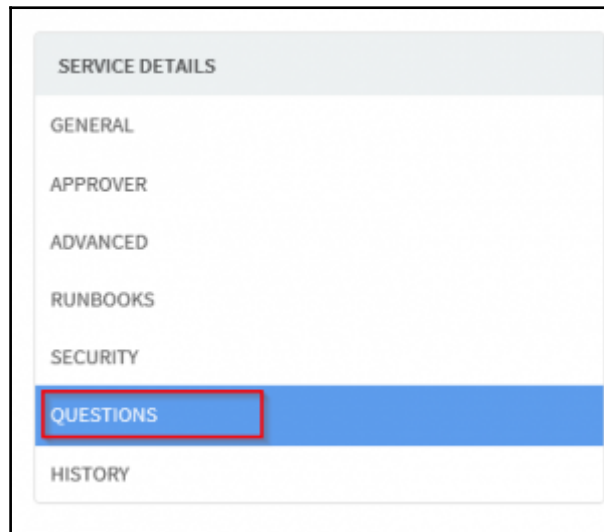
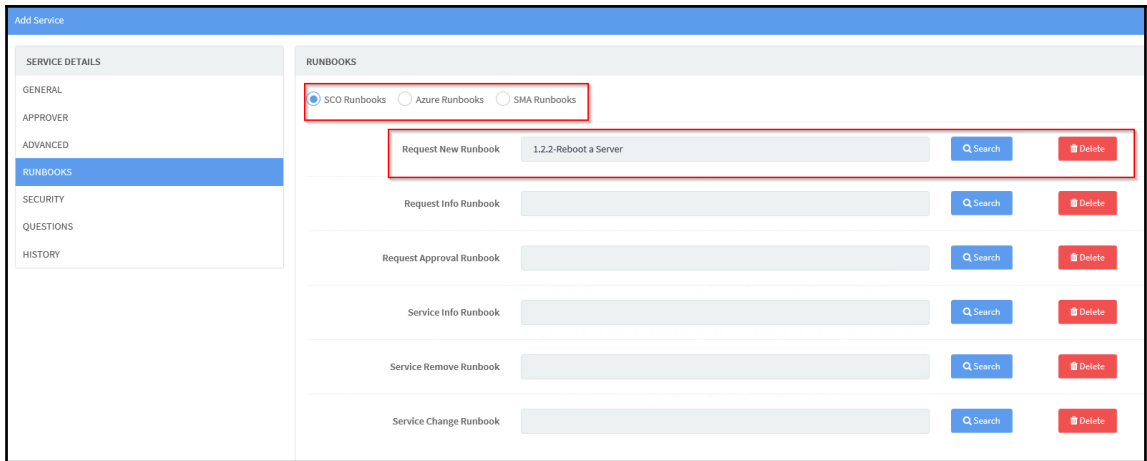
- Name: Reboot a Server
- Description: This Form will be used to Reboot the selected Server
- Service Group: Datacenter Services
- Language: English
- Image: Select an image (RebootServer_white.png 12.3kB)

For best result, select a square image (ie: same width as height)

Buttons: Save, Cancel

SERVICE DETAILS

- GENERAL
- APPROVER
- ADVANCED
- RUNBOOKS**
- SECURITY
- QUESTIONS
- HISTORY



Add Service

SERVICE DETAILS

- GENERAL
- APPROVER
- ADVANCED
- RUNBOOKS
- SECURITY
- QUESTIONS**
- HISTORY

QUESTIONS

Parameters on new request runbook

Servername (FQDN)

Question

Required

Order

Type

Query [Q View](#)

Show Values

Show Result As Typeahead Prepopulated Table

Servername (FQDN)

Question

Required

Order

Type

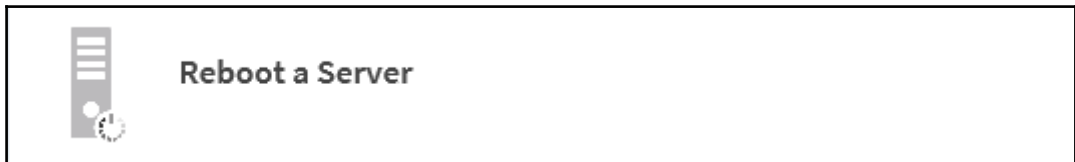
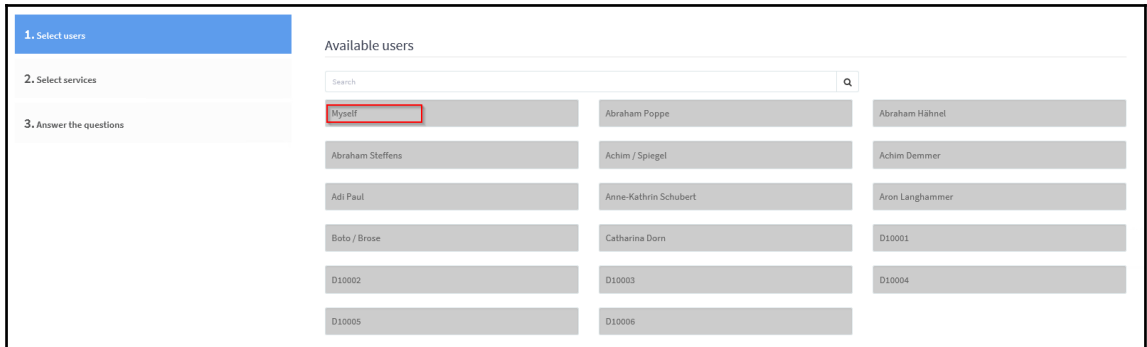
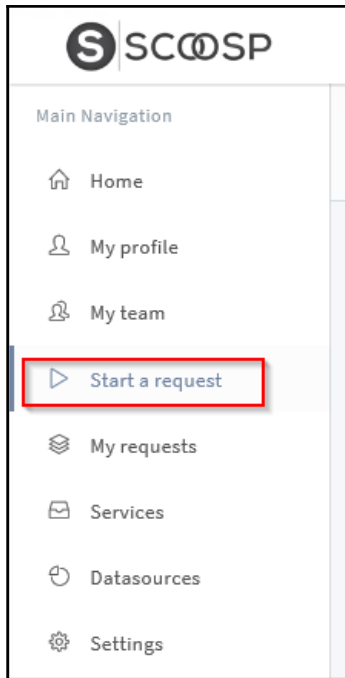
Query [Q View](#)

Show Values

Show Result As Typeahead Prepopulated Table

Background Text

Visibility Always Condition



Questions

Reboot a Server 2

Servername (FQDN) X



SVTGD01

Previous Finish

S SCOSP

Main Navigation

- Home
- My profile
- My team
- Start a request
- My requests**
- Services
- Datasources
- Settings

Finished	JobStatus
13.07.2017 22:29	 

Reboot a Server 2 New seidlm seidlm 13.07.2017 22:29 Approved Automatic (no approvers) 13.07.2017 22:29 Running

Request for Service Reboot a Server 2 by seidlm [Copy Url](#)


Requestnumber	14957
Type of request	New
Service	Reboot a Server 2
Started on	13.07.2017 22:29
Finished on	13.07.2017 22:29
Status	Approved
Requested for	seidlm
Request service	Reboot a Server 2
Request Approval Mode	No Approver

More Details +


S SCOOSP

Main Navigation

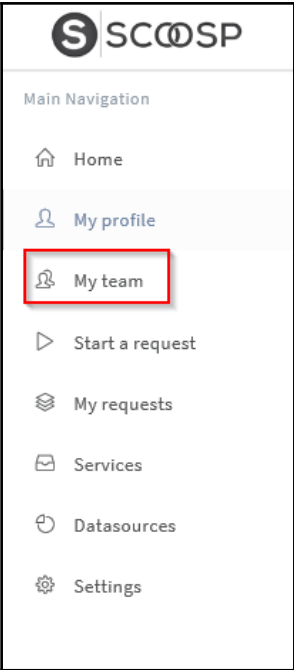
- Home
- My profile**
- My team
- Start a request
- My requests
- Services
- Datasources
- Settings

Profile details for user seidlm 

This is all the information we have on this particular user

 seidlm

Surname	Seidl
Givenname	Michael
Mail	michael@techguy.at
City	Marchtrenk
postalcode	4614
Name	Michael Seidl
street	Rennerstrasse 11c
Phone	+43 676 857785
C	AT
department	Not Available



Abraham Poppe View	Abraham Hähnel View
Achim Demmer View	Adi Paul View
Boto / Brose View	Catharina Dorn View
D10003 View	D10004 View

enable Mailbox

[Previous](#) [Finish](#)

enable Mailbox

Mailbox Size 0,5 GB

Previous Finish

Name	Date modified	Type	Size
ActivitiesInfo.xml	2013-02-07 08:22	XML File	4 KB
Orchestrator Health Checker.exe	2013-07-23 20:54	Application	507 KB
Orchestrator Health Checker.exe.config	2016-11-09 13:16	XML Configuratio...	1 KB
Orchestrator Health Checker.pdb	2013-07-23 20:54	PDB File	440 KB
Orchestrator Health Checker.xml	2013-07-23 20:54	XML File	41 KB

