# **Get-MDEInvestigationPackage Playbook**

Last updated by | Naser Mohammed | Mar 19, 2023 at 7:18 AM CDT

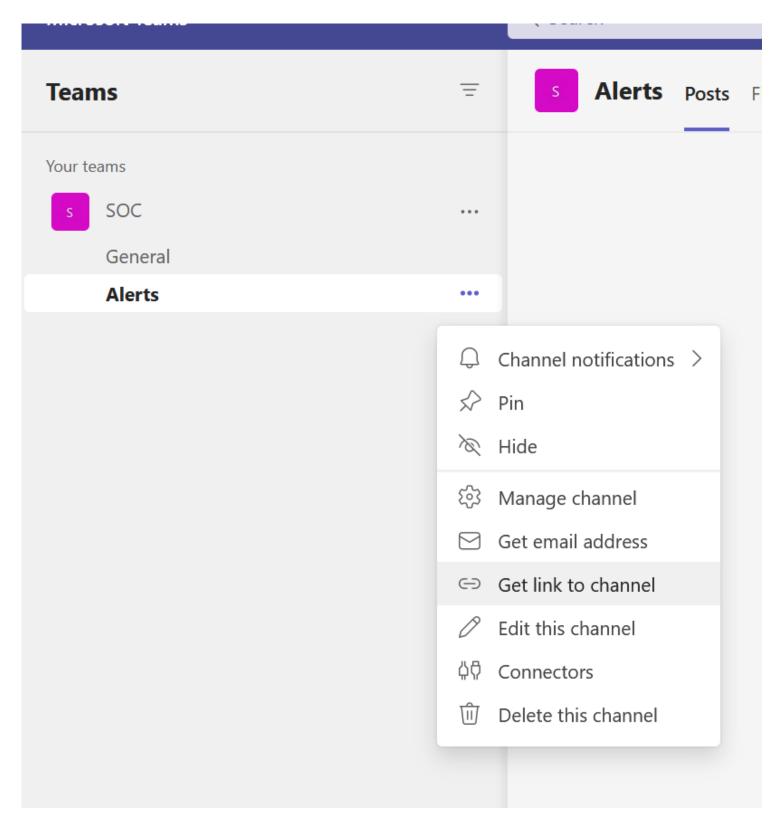
This playbook will call the collect investigation package in MDE. It will then loop until thats complete, once complete it will add a comment to the incident and post a message in teams with the URL to download the package.

## **Quick Deployment**

Go to <a href="https://github.com/Azure/Azure-Sentinel/tree/master/Playbooks/Get-MDEInvestigationPackage">https://github.com/Azure/Azure-Sentinel/tree/master/Playbooks/Get-MDEInvestigationPackage</a>

### **Prerequisites**

1. Get the Teams ID and Channel ID



Example:  $\frac{\text{https://teams.microsoft.com/l/channel/}}{\text{croupid}} \ge \frac{\text{channel id}}{\text{double}} = \frac{\text{coupid}}{\text{coupid}} = \frac{\text{coupid}}{\text{coupid}$ 

2. Grant the following permissions to the managed identity by running the commands in the Cloud Shell.

For Machine.CollectForensics permission

```
$MIGuid = " enter managed identity here "
$MI = Get-AzureADServicePrincipal -ObjectId $MIGuid

$MDEAppId = "fc780465-2017-4044-a0c5-307022471b92"
$PermissionName = "Machine.CollectForensics"

$MDEServicePrincipal = Get-AzureADServicePrincipal -Filter "appId eq '$MDEAppId'"
$AppRole = $MDEServicePrincipal.AppRoles | Where-Object {$_.Value -eq $PermissionName -and $_.AllowedMemberTyp New-AzureAdServiceAppRoleAssignment -ObjectId $MI.ObjectId -PrincipalId $MI.ObjectId `
-ResourceId $MDEServicePrincipal.ObjectId -Id $AppRole.Id
```

#### For Machine.ReadWrite.All permission

```
$MIGuid = " enter managed identity here "
$MI = Get-AzureADServicePrincipal -ObjectId $MIGuid

$MDEAppId = "fc780465-2017-40d4-a0c5-307022471b92"
$PermissionName = "Machine.ReadWrite.All"

$MDEServicePrincipal = Get-AzureADServicePrincipal -Filter "appId eq '$MDEAppId'"
$AppRole = $MDEServicePrincipal.AppRoles | Where-Object {$_.Value -eq $PermissionName -and $_.AllowedMemberTyp New-AzureAdServiceAppRoleAssignment -ObjectId $MI.ObjectId -PrincipalId $MI.ObjectId `
-ResourceId $MDEServicePrincipal.ObjectId -Id $AppRole.Id
```

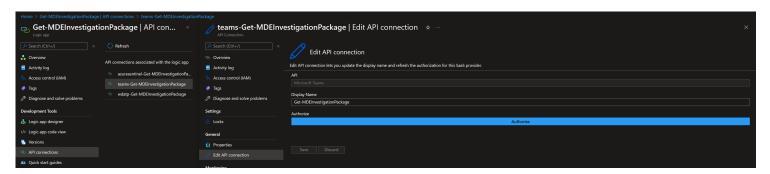
#### For Machine.Read.All permission

```
$MIGuid = "" enter managed identity here "
$MI = Get-AzureADServicePrincipal -ObjectId $MIGuid

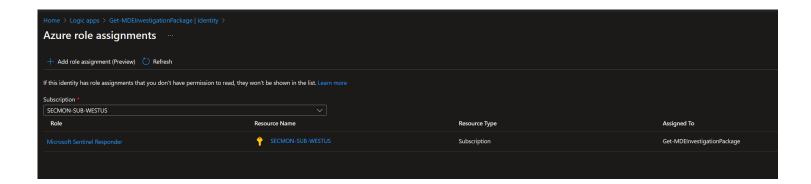
$MDEAppId = "fc780465-2017-40d4-a0c5-307022471b92"
$PermissionName = "Machine.Read.All"

$MDEServicePrincipal = Get-AzureADServicePrincipal -Filter "appId eq '$MDEAppId'"
$AppRole = $MDEServicePrincipal.AppRoles | Where-Object {$_.Value -eq $PermissionName -and $_.AllowedMemberTyp New-AzureAdServiceAppRoleAssignment -ObjectId $MI.ObjectId -PrincipalId $MI.ObjectId `
-ResourceId $MDEServicePrincipal.ObjectId -Id $AppRole.Id
```

3. Authorize teams-Get-MDEInvestigationPackage API connections. This is to ensure that the logic app will send the message to the Teams channel.

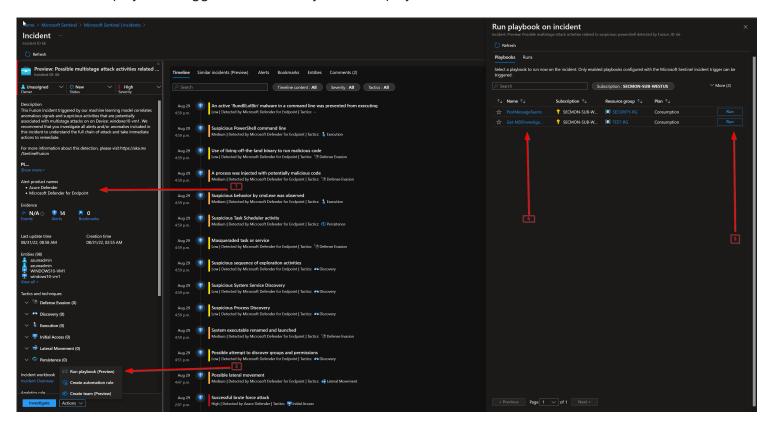


4. Apply Microsoft Sentinel Responder permissions to managed identity.

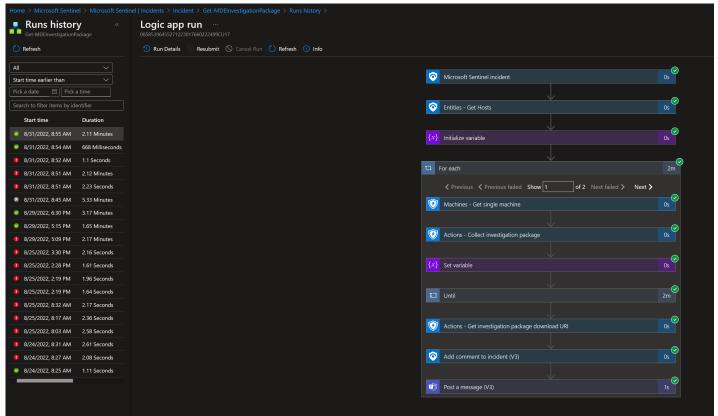


## How to use the logic app

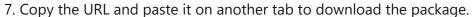
- 1. Simulate a MDE or M365 Defender incident.
- 2. Click Actions choose Run Playbook
- 3. Run the Get-MDEInvestigationPackage playbook.
- 4. Once the playbook triggered successfully, click the playbook name to view the status.

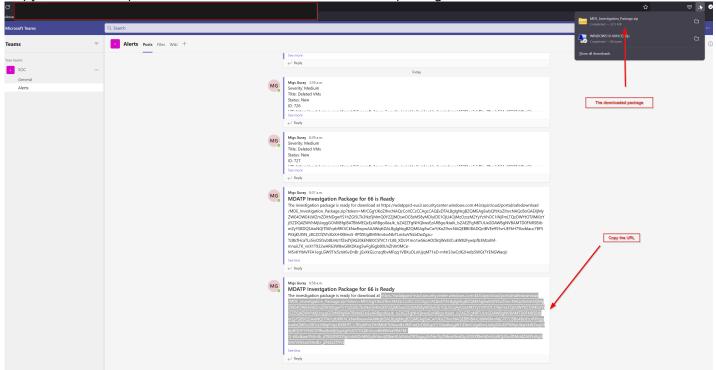


5. Please note that it will take about 2-3 minutes until it shows the result.

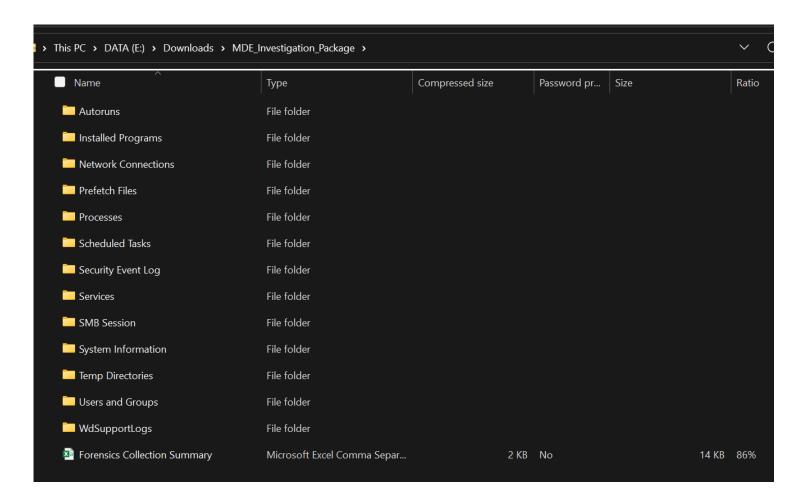


6. If it runs successfully, go to Teams and check the message in the channel.



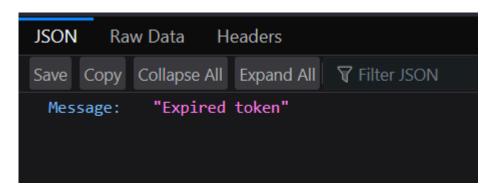


8. Here's the contents of the zip file.



### **Common Issues**

The playbook generated a URI for downloading the package, but an expired token appears. Please inform the customer that the URI must be immediately (within 1 minute). <a href="https://learn.microsoft.com/en-us/microsoft-365/security/defender-endpoint/get-package-sas-uri?view=0365-worldwide#response">https://learn.microsoft.com/en-us/microsoft-365/security/defender-endpoint/get-package-sas-uri?view=0365-worldwide#response</a>



The customer runs the playbook, but received an error "'message': 'The application does not have any of the required application permissions (Machine.Read.All, Machine.ReadWrite.All) to access the resource".

Solution: Ensure that the customer has added Machine.Read.All, Machine.ReadWrite.All permissions to the managed identity. Check no. 2 of prerequisites.

