

# **Endpoint:**

### ATSvc/SASec:

ncacn\_np: \pipe\atsvc

#### ITaskSchedulerService:

- ncacn\_ip\_tcp
- ncacn\_np: \pipe\atsvc

## **ATT&CK Relation:**

- T1053 Scheduled Task
- SASec is used to get or set account information that is associated with tasks.

# Indicator of Activity (IOA):

- Network:
  - Methods:
    - ITaskSchedulerServices:
      - SchRpcRegisterTask
      - SchRpcEnumTasks
    - ATSVC:
      - NetrJobAdd
- Host:
  - Inbound network connection to svchost.exe over pipe \pipe\atsvc or TCP\_IP port
  - Registry Key Creation:
  - O HKEY\_LOCAL\_MACHINE\SOFTWARE\Microsoft\Windows NT\CurrentVersion\Schedule\TaskCache\Tree

- O HKEY\_LOCAL\_MACHINE\SOFTWARE\Microsoft\Windows NT\CurrentVersion\Schedule\TaskCache\Tasks
- Sysmom Event 12/13
- File Creation:
  - C:\Windows\System32\Tasks OR C:\Windows\Tasks OR C:\Windows\SYSWOW64\Tasks
  - Sysmon Event 11

## **Prevention Opportunities:**

### RPC Filter Example:

```
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rpc
filter
add rule layer=um actiontype=permit
add condition field=if_uuid matchtype=equal data=1FF70682-0A51-30E8-076D-740BE8CEE!
add condition field=remote_user_token matchtype=equal data=D:(A;;CC;;;DA)
add filter
add rule layer=um actiontype=block
add condition field=if_uuid matchtype=equal data=1FF70682-0A51-30E8-076D-740BE8CEE!
add filter
add rule layer=um actiontype=permit
add condition field=if_uuid matchtype=equal data=378E52B0-C0A9-11CF-822D-00AA0051E
add condition field=remote_user_token matchtype=equal data=D:(A;;CC;;;DA)
add filter
add rule layer=um actiontype=block
add condition field=if_uuid matchtype=equal data=378E52B0-C0A9-11CF-822D-00AA0051E
add filter
add rule layer=um actiontype=permit
add condition field=if_uuid matchtype=equal data=86D35949-83C9-4044-B424-DB363231FI
add condition field=remote_user_token matchtype=equal data=D:(A;;CC;;;DA)
add filter
add rule layer=um actiontype=block
add condition field=if_uuid matchtype=equal data=86D35949-83C9-4044-B424-DB363231FI
add filter
quit
```

## Notes:

MSRPC-to-ATTACK/documents/MS-TSCH.md at ddd4608fe8684fcf2fcf9b48c5f0b3c28097f8a3 · jsecurity101/MSRPC-to-ATTACK · GitHub - 31/10/2024 09:05 https://github.com/jsecurity101/MSRPC-to-ATTACK/blob/ddd4608fe8684fcf2fcf9b48c5f0b3c28097f8a3/documents/MS-TSCH.md

By default local administrators can create/start scheduled tasks remotely.

If remote scheduled tasks is an operational need, create a group specific to this action. Apply changes to the rpc filter, remove DAs from the SDDL string.

## **Useful Resources:**

• https://posts.specterops.io/abstracting-scheduled-tasks-3b6451f6a1c5