

# Log Manager

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## About

- Powershell (version `≥ 5`)
- Dependencies : None

## Task/Feature

- Ensure running script as `Administrator`
- Create Task Scheduler to run `daily` at `1am`
- Remove if exist legacy scheduler `Apache Logs Housekeeping` & `Apps Logs Housekeeping` created by vendor.
- Create `C:\Apps\Logs\` and `C:\Apps\Logs\Archives` folder if not exist
- Group Application Logs using `Application Name` as prefix
- Delete `1` day older `.log` files (skip the current/todays on-going logs)
- Delete `60` days older `.zip` files

## Run/Test

- Make sure your `C:\Apps\Logs\` already has logs in it.
  - if no sample logs, run `tester.ps1` to simulate logs as follows,
    - it will create dummy logs file and
    - it will also override `created date` backward so that can test `1`, `60` days old files
  - Run the `LogManager.ps1` as `Administrator`
-

## Create Dummy for Test

```
Administrator: Windows PowerShell
Windows PowerShell
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Try the new cross-platform PowerShell https://aka.ms/pscore6
PS C:\Users\fahad> & 'C:\Users\fahad\Repos\New folder\test.ps1'
```

Open with powershell file : tester.ps1

```
-a----      2022-02-23   9:11:47 AM          22711.log
0 WorkflowManager-2022281
1.log
-a----      2022-02-23   9:11:47 AM          0 MhBosDispathar-Test-202
22911.log
-a----      2022-02-23   9:11:47 AM          0 WorkflowDispatcher3-202
23011.log
-a----      2022-02-23   9:11:47 AM          0 WorkflowManager-2022111
1.log
-a----      2022-02-23   9:11:47 AM          0 WorkflowDispatcher3-202
22311.log
-a----      2022-02-23   9:11:47 AM          0 WorkflowDispatcher3-202
21211.log

PS C:\Users\fahad>
```

it will create batch logs files with past and future dates for later to simulate

Name	Date modified
WorkFlowManager-20221110.log	2021-01-31 6:00 AM
MhBosDispathar-Test-20221210.log	2021-02-15 6:00 AM
WorkFlowDispatcher3-20221310.log	2021-03-02 6:00 AM
WorkFlowManager-20221410.log	2021-03-17 6:00 AM
MhBosDispathar-Test-20221510.log	2021-04-01 6:00 AM
WorkFlowDispatcher3-20221610.log	2021-04-16 6:00 AM
WorkFlowManager-20221710.log	2021-05-01 6:00 AM
MhBosDispathar-Test-20221812.log	2021-05-16 6:00 AM
WorkFlowDispatcher3-20221912.log	2021-05-31 6:00 AM
WorkFlowManager-20221012.log	2021-06-15 6:00 AM
WorkFlowDispatcher3-20221212.log	2021-07-15 6:00 AM
WorkFlowManager-20221312.log	2021-07-30 6:00 AM
MhBosDispathar-Test-20221412.log	2021-08-14 6:00 AM
WorkFlowDispatcher3-20221512.log	2021-08-29 6:00 AM
WorkFlowManager-20221612.log	2021-09-13 6:00 AM
MhBosDispathar-Test-20221712.log	2021-09-28 6:00 AM
WorkFlowDispatcher3-20221812.log	2021-10-13 6:00 AM
WorkFlowManager-20221912.log	2021-10-28 6:00 AM
MhBosDispathar-Test-20222011.log	2021-11-12 6:00 AM
WorkFlowDispatcher3-20222111.log	2021-11-27 6:00 AM

\*.logs created

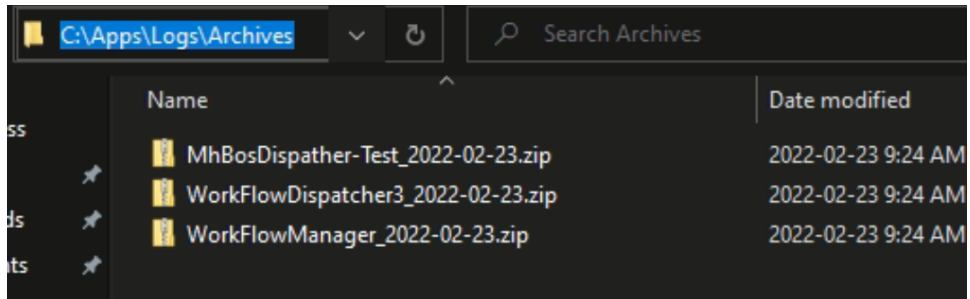
## Run LogManager File

```
PS C:\Users\fahad> & 'C:\Users\fahad\Repos\New folder\LogManager.ps1'
```

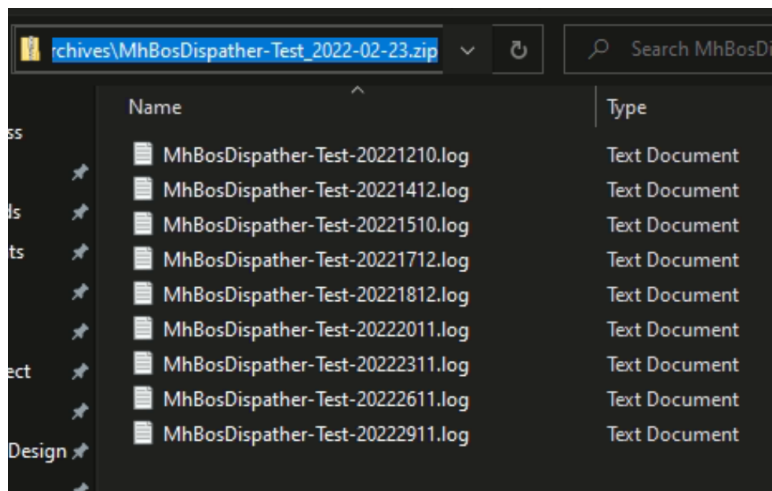
Run main file LogManager.ps1

Name	Date modified
Archives	2022-02-23 9:16 AM
MhBosDispathar-Test-20221210.log	2021-02-15 6:00 AM
DelLog.txt	2022-02-23 9:16 AM
WorkFlowDispatcher3-20222711.log	2022-02-25 6:00 AM
WorkFlowManager-20222811.log	2022-03-12 6:00 AM
MhBosDispathar-Test-20222911.log	2022-03-27 6:00 AM
WorkFlowDispatcher3-20223011.log	2022-04-11 6:00 AM
WorkFlowDispatcher3-20221211.log	2022-04-26 6:00 AM
WorkFlowDispatcher3-20222311.log	2022-04-26 6:00 AM
WorkFlowManager-20221111.log	2022-04-26 6:00 AM

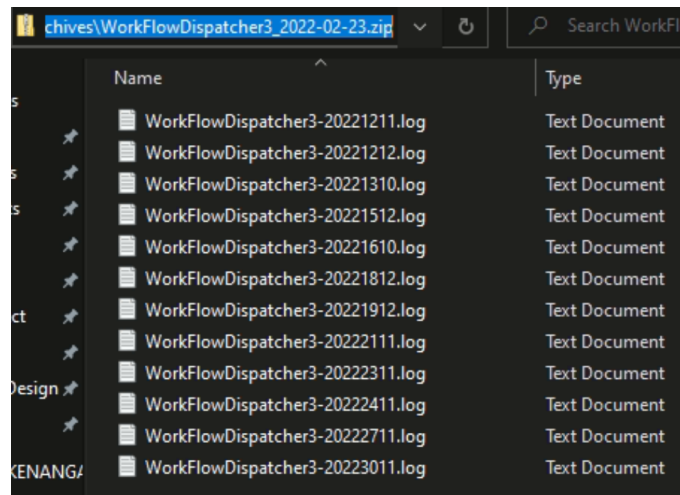
Deleted only 1 day old files and left with today or future date files



combined as group with app name prefix



inside zip folder



inside zip folder

## Checking whether Scheduler Created

LogMaster

Ready

At 1:00:00 AM every day

General

Triggers

Actions

Conditions

Settings

History

When you create a task, you can specify the conditions that will trigger the task. To change these triggers, open task property pages using the Properties command.

Trigger	Details	Status
Daily	At 1:00:00 AM every day	Enabled