$LogFilePath = "C:\Logs\messageq\_Logs.txt"

# Function to write log entry

function Write-Log {

param (

[string]$Message,

[string]$Hostname

)

$Timestamp = Get-Date -Format "yyyy-MM-dd HH:mm:ss"

$LogEntry = "$Timestamp - Hostname: $Hostname - $Message"

# Add a try-catch block to handle file locking

try {

# Attempt to acquire a lock on the log file

$LockFile = "$LogFilePath.lock"

$LockFileStream = [System.IO.File]::Create($LockFile)

# Write the log entry to the log file

Add-Content -Path $LogFilePath -Value $LogEntry

}

catch {

Write-Host "Error writing to log file: $\_"

}

finally {

# Release the lock on the log file

$LockFileStream.Close()

Remove-Item $LockFile -ErrorAction SilentlyContinue

}

}

# Function to check service status

function Check-MSMQStatus {

param (

[string]$ServiceName

)

$Service = Get-Service -Name $ServiceName

$Hostname = $env:COMPUTERNAME

Write-Log "$ServiceName service is $($Service.Status)." $Hostname

}

# Monitor service status continuously

while ($true) {

Check-MSMQStatus -ServiceName "MSMQ"

Check-MSMQStatus -ServiceName "CCHClientService"

Check-MSMQStatus -ServiceName "CCHPollingService"

Check-MSMQStatus -ServiceName "CCHService"

Check-MSMQStatus -ServiceName "CentralisedExceptionManagement"

Check-MSMQStatus -ServiceName "ESignatureService"

Check-MSMQStatus -ServiceName "EventHandlingService"

Check-MSMQStatus -ServiceName "FilingDataService"

Check-MSMQStatus -ServiceName "OrchestrationService"

Check-MSMQStatus -ServiceName "PackageGenerationService"

Check-MSMQStatus -ServiceName "ProgrammaticProformaSrevice"

Check-MSMQStatus -ServiceName "SurePrepMissingReport"

Check-MSMQStatus -ServiceName "TaxTransferSnapShot"

Check-MSMQStatus -ServiceName "TigerMappingService"

Check-MSMQStatus -ServiceName "Workpaper Tool Service"

# Add condition to exit loop for one iteration

break

}

# Continue with the rest of the script here