PowerShell

- CBSupport (local Machine).ps1
- Citrix Version Check.ps1
- Login Session Length

CBSupport (local Machine).ps1

> Support tool to gather logs and files required to assist in troubleshooting for local machine this can be run remotely and will not prompt anything to the current logged in user - Justin

```
#Support tool to gather logs and files required to assist in troubleshooting for local machine
#this can be run remotely and will not prompt anything to the current logged in user - Justin


#region Gather Intel
Set-Location -Path C:\Users\$env:USERNAME
$SupportPerson = Read-Host -Prompt 'Who is running this support tool?'
$vComments = Read-Host -Prompt 'What is the issue that your troubleshooting?'
$vTicketNo = Read-Host -Prompt 'Connectwise Ticket Number?'
#$vINCNo = Read-Host -Prompt 'Phoenix INC number?'
$vHeading = "CodeBlue Support Tool"


#endregion Gather Intel

#region GET COMP NAME

$vComputerName = (Get-Item env:\Computername).Value
$vHostName = hostname
$vUserName = $env:UserName

#endregion GET COMP NAME

#region CLEAR EXISTING

If(Test-path "C:\Temps\CBSupportTool\$vUserName") {Remove-item
"C:\Temps\CBSupportTool\$vUserName" -confirm -Recurse}

#endregion

$logFile = "C:\temps\CBSupportTool\$vUserName\$vHostName\Assets\log.log"
```

```
#region MAKE DIR

md "C:\temps\CBSupportTool\$vUserName\$vHostname\iManage"
md "C:\temps\CBSupportTool\$vUserName\$vHostname\Assets"

#endregion MAKE DIR



Out-file -FilePath $logFile -InputObject $vHeading
cls
Add-Content $logFile "*********************************"
Get-Content -Path $logFile



#region Global variables #
cls
Add-Content $logFile "Setting Global Variables..."
Get-Content -Path "C:\temps\CBSupportTool\$vUserName\$vHostName\Assets\log.log"

$Assets = "C:\temps\CBSupportTool\$vUserName\$vHostname\Assets"
$vUserName = (Get-Item env:\username).Value □□□## This will get username using environment
variable
$filepathASS = "C:\temps\CBSupportTool\$vUserName\$vHostname\Assets"
$filepath = "C:\temps\CBSupportTool\$vUserName\$vHostname"
$cpuName = (Get-WmiObject win32_processor -ComputerName $vComputerName | select Name)
$image = "<img src='https://codeblue.co.nz/wp-content/uploads/2017/05/Codeblue_blue-
writnig.png' width='400'>"
$wc = New-Object System.Net.WebClient

cls
Add-Content $logFile "Global Variables Set"
Get-Content -Path "C:\temps\CBSupportTool\$vUserName\$vHostName\Assets\log.log"

#endregion Global variables #



#region HTML Output Formatting #
cls
Add-Content $logFile "HTML Formatting..."
```

```
Get-Content -Path "C:\temps\CBSupportTool\$vUserName\$vHostName\Assets\log.log"

$a = "<style>"
$a = $a + "BODY{background-color:#456177;}"
$a = $a + "h1 { font-family:Tahoma; color:#2FD9EF;}"
$a = $a + "h2 { font-family:Tahoma; color:#EAEAE6;}"
$a = $a + "h3 { font-family:Tahoma; color:#FFC305;}"
$a = $a + "TABLE{border-width: 1px;border-style: solid;border-color: black;border-collapse:
collapse;}"
$a = $a + "TH{border-width: 1px;padding: 3px;border-style: solid;border-color:
black;background-color:#05B3EB}"
$a = $a + "TD{border-width: 1px;padding: 3px;border-style: solid;border-color:
black;background-color:#EAEAE6}"

$a = $a + "TABLE.table1{border-width: 0px;border-style: None;border-color: black;border-
collapse: collapse;}"
$a = $a + "TABLE.table1 TH{border-width: 0px;padding: 3px;border-style: solid;border-color:
black;background-color:#05B3EB}"
$a = $a + "TABLE.table1 TD{border-width: 0px;padding: 3px;border-style: solid;border-color:
black;background-color:#FFFFFF}"
$a = $a + "</style>"


cls
Add-Content $logFile "HTML Formatting set"
Get-Content -Path "C:\temps\CBSupportTool\$vUserName\$vHostName\Assets\log.log"

#endregion HTML Output Formatting #

#region Logo Heading Cell
cls
Add-Content $logFile "Gathering Machine Info...."
Get-Content -Path "C:\temps\CBSupportTool\$vUserName\$vHostName\Assets\log.log"

$PysicalMemory = Get-WmiObject -class "win32_physicalmemory" -namespace "root\CIMV2" -
ComputerName $vComputername
$totalmem = "$((($PysicalMemory).Capacity | Measure-Object -Sum).Sum/1GB)GB"
```

```
ConvertTo-Html -Head $b -Title "System Information for $vComputerName" -Body `
"<table class=$("Table1")>
  <tr>
     <td>$image</td>
     <td><p>Hostname: $vHostName</p><p>Username: $vuserName<p>Support Tech:
$SupportPerson</td>
     <td><p>Comments:</p><p>$vComments</p></td>
     <td><p>WLAN Report:</p><p><a href=./Assets/wlan-report-latest.html</a></p></td>
  </tr>

</table>" > "$filepath\$vComputerName.html"

#endregion Logo Heading Cell

#region  Hardware Information

cls
Add-Content $logFile "Hardware Information Start..."
Get-Content -Path "C:\temps\CBSupportTool\$vUserName\$vHostName\Assets\log.log"

ConvertTo-Html -Body "<H1>HARDWARE INFORMATION</H1>" >> "$filepath\$vComputerName.html"

#region CPU

#Get-WmiObject win32_processor -ComputerName $vComputerName | select Manufacturer,
MaxClockSpeed, Name, NumberOfCores `
#                                          | ConvertTo-html -Body "<H2>CPU Information</H2>"
>>  "$filepath\$vComputerName.html"

Get-WmiObject win32_processor  -ComputerName $vComputerName | select Manufacturer,
MaxClockSpeed, Name, NumberOfCores `
                                           | ConvertTo-html -HEAD $a -Body "<H2></H2>" >
"$filepathASS\CPU.html"


#endregion CPU

#region Memory
```

```
Get-WmiObject win32_physicalmemory -ComputerName $vComputerName | select
Manufacturer,Banklabel,Configuredclockspeed,Devicelocator,Capacity,Serialnumber `
                                          | ConvertTo-html -HEAD $a -Body "<H2></H2>" >
"$filepathASS\RAM.html"



$TotalSlots = ((Get-WmiObject -Class "win32_PhysicalMemoryArray" -namespace "root\CIMV2" -
ComputerName $vComputername).MemoryDevices | Measure-Object -Sum).Sum
$UsedSlots = (($PysicalMemory) | Measure-Object).Count

ConvertTo-Html -HEAD $a -Body "<table>
<tr>
    <th>Total Memory</th>
    <th>Used Slots</th>
    <th>Total Slots</th>
  </tr>
  <tr>
    <td>$totalmem</td>
    <td>$UsedSlots</td>
    <td>$TotalSlots</td>
  </tr>
  </table>

 " > "$filepathASS\RAM2.html"

#endregion Memory

#region GPU
Get-WmiObject win32_VideoController -ComputerName $vComputerName | select Name, DriverVersion,
Status, MaxRefreshRate, VideoModeDescription,@{Expression={$_.AdapterRAM /1GB -as
[Int]};Label="Video Memory (GB)"} `
                                          | ConvertTo-html -Head $a -Body "<H2></H2>" >
"$filepathASS\GPU.html"
#endregion GPU

#region BIOS
Get-WmiObject win32_bios -ComputerName $vComputerName | select
Status,Version,PrimaryBIOS,Manufacturer,ReleaseDate,SerialNumber `
                                          | ConvertTo-html -Head $a -Body "<H2></H2>" >
```

```
"$filepathASS\Bios.html"
#endregion BIOS□□□□□□□□□□□

#region DISK
Get-WmiObject win32_DiskDrive -ComputerName $vComputerName | Select
Model,SerialNumber,Description,MediaType,FirmwareRevision `
|ConvertTo-html -Head $a -Body "<H2></H2>" >  "$filepathASS\Disk.html"

#endregion DISK

#region NETWORK
get-WmiObject win32_networkadapter -ComputerName $vComputerName | Select
Name,Manufacturer,Description ,AdapterType,Speed,MACAddress,NetConnectionID `
                                          | ConvertTo-html -HEAD $a -Body "<H2></H2>" >
"$filepathASS\Network.html"
#endregion NETWORK

#region Collapsable Buttons

 ConvertTo-Html -Body '<style>
.collapsible {
  background-color: #456177;
  color: white;
  cursor: pointer;
  padding: 18px;
  width: 100%;
  border: none;
  text-align: left;
  outline: none;
  font-size: 15px;
}

.active, .collapsible:hover {
  background-color: #05B3EB;
}

.collapsible:after {
  content: "\002B";
  color: white;
  font-weight: bold;
```

```
  float: right;
  margin-left: 5px;
}

.active:after {
  content: "\2212";
}

.content {
  padding: 1 18px;
  max-height: 0;
  overflow: hidden;
  transition: max-height 0.2s ease-out;
  background-color: #05B3EB;
}
</style>


</head>
<body>

 <button class="collapsible">CPU Information</button>
<div class="content">
   <embed src="./Assets/CPU.html" width="100%" height="210">
</div>

 <button class="collapsible">RAM Information</button>
<div class="content">
   <embed src="./Assets/RAM.html" width="100%" height="210">
   <embed src="./Assets/RAM2.html" width="100%" height="100">
</div>

 <button class="collapsible">Network Information</button>
<div class="content">
   <embed src="./Assets/Network.html" width="100%" height="300">
</div>

<button class="collapsible">GPU Information</button>
<div class="content">
   <embed src="./Assets/GPU.html" width="100%" height="300">
```

```
</div>

<button class="collapsible">BIOS Information</button>
<div class="content">
   <embed src="./Assets/Bios.html" width="100%" height="300">
</div>

<button class="collapsible">Disk Information</button>
<div class="content">
   <embed src="./Assets/Disk.html" width="100%" height="300">
</div>



</body>' >> "$filepath\$vComputerName.html"

#endregion Collapsable Buttons

cls
Add-Content $logFile "Hardware Information Complete"
Get-Content -Path "C:\temps\CBSupportTool\$vUserName\$vHostName\Assets\log.log"

#endregion Hardware Information□□□□□□□□□□

#region OS Information
cls
Add-Content $logFile "Software Information Start..."
Get-Content -Path "C:\temps\CBSupportTool\$vUserName\$vHostName\Assets\log.log"

ConvertTo-Html -Body "<H1>OS INFORMATION </H1>" >> "$filepath\$vComputername.html"

get-WmiObject win32_operatingsystem -ComputerName $vComputerName | select
Caption,Organization,InstallDate,OSArchitecture,Version,SerialNumber,BootDevice,WindowsDirecto
ry,CountryCode `
                                          | ConvertTo-html -Head $a -Body "<H2>Operating
System Information</H2>" >  "$filepathASS\OS.html"
□□□□□□□□□□
Get-WmiObject win32_logicalDisk -ComputerName $vComputerName | select
DeviceID,VolumeName,@{Expression={$_.Size /1Gb -as [int]};Label="Total
Size(GB)"},@{Expression={$_.Freespace / 1Gb -as [int]};Label="Free Size (GB)"} `
```

```
                                        | ConvertTo-html -Head $a -Body "<H2> Logical DISK
Drives </H2>" >  "$filepathASS\LogDisk.html"
□□□□□□□□□□
Get-WmiObject Win32_NetworkAdapterConfiguration -ComputerName $vComputerName |
    Select-Object Description, DHCPServer,
        @{Name='IpAddress';Expression={$_.IpAddress -join '; '}},
        @{Name='IpSubnet';Expression={$_.IpSubnet -join '; '}},
        @{Name='DefaultIPgateway';Expression={$_.DefaultIPgateway -join '; '}},
        @{Name='DNSServerSearchOrder';Expression={$_.DNSServerSearchOrder -join '; '}},
        WinsPrimaryServer, WINSSecondaryServer| ConvertTo-html -Head $a  >
"$filepathASS\IP.html" □

Get-Printer | select Name, Type, PrinterStatus, DriverName, JobCount, Location, PortName |
ConvertTo-html -Head $a  >  "$filepathASS\print.html"         □

#endregion OS Information

#region Collapsable Buttons OS INFO

 ConvertTo-Html -Body '

</head>
<body>


 <button class="collapsible">Operating System Information</button>
<div class="content">
   <embed src="./Assets/OS.html" width="100%" height="210">
</div>

 <button class="collapsible">Logical Disk Drives</button>
<div class="content">
   <embed src="./Assets/logDisk.html" width="100%" height="210">
</div>

 <button class="collapsible">IP Information</button>
<div class="content">
   <embed src="./Assets/Network.html" width="100%" height="300">
</div>
```

```
 <button class="collapsible">Printers</button>
<div class="content">
   <embed src="./Assets/print.html" width="100%" height="210">
</div>

</body>' >> "$filepath\$vComputerName.html"

#endregion Collapsable Buttons

#region  Software Information

cls
Add-Content $logFile "Collecting Startup Information..."
Get-Content -Path "C:\temps\CBSupportTool\$vUserName\$vHostName\Assets\log.log"

ConvertTo-Html -Body "<H1>SOFTWARE INFORMATION </H1>" >> "$filepath\$vComputerName.html"

Get-WmiObject win32_startupCommand -ComputerName $vComputerName | select
Name,Location,Command,User,caption `
                                          | ConvertTo-html  -Head $a -Body "<H2>Startup
Softwares</H2>" >  "$filepathASS\Startup.html"

                                          cls
Add-Content $logFile "Collecting Startup Information Complete"
Get-Content -Path "C:\temps\CBSupportTool\$vUserName\$vHostName\Assets\log.log"

Get-WmiObject win32_process -ComputerName $vComputerName | select
Caption,ProcessId,@{Expression={$_.Vm /1mb -as [Int]};Label="VM (MB)"},@{Expression={$_.Ws
/1Mb -as [Int]};Label="WS (MB)"} |sort "Vm (MB)" -Descending `
                                         | ConvertTo-html  -Head $a -Body "<H2> Running
Processes</H2>" >  "$filepathASS\Running.html"
□□□□□□□□□□□

Get-WmiObject win32_Service  | where {$_.StartMode -eq "Auto" -and $_.State -eq "stopped"} |
Select Name,StartMode,State `
                                          | ConvertTo-html  -Head $a -Body "<H2> Services
</H2>" >  "$filepathASS\Service.html"□□□□□□□□□□
#endregion Software Information

#region Gather Application info
```

```
cls
Add-Content $logFile "Collecting Application Information..."
Get-Content -Path "C:\temps\CBSupportTool\$vUserName\$vHostName\Assets\log.log"

Get-WmiObject -Class Win32_Product  | select Name, Vendor, Version, InstallDate,
InstallLocation, InstallSource  | Sort-Object Name | ConvertTo-html -HEAD $a -Body
"<H2>Installed Applications</H2>" > "$filepathASS\Apps.html"

cls
Add-Content $logFile "Collecting Application Information Complete"
Get-Content -Path "C:\temps\CBSupportTool\$vUserName\$vHostName\Assets\log.log"

#endregion Applications

#region Gather Wlan Report



cls
Add-Content $logFile "Gathering WLAN Report..."
Get-Content -Path "C:\temps\CBSupportTool\$vUserName\$vHostName\Assets\log.log"

netsh wlan show wlanreport
Move-Item -Path C:\ProgramData\Microsoft\Windows\WlanReport\wlan-report-latest.html -
Destination C:\temps\CBSupportTool\$vUserName\$vHostName\Assets

cls
Add-Content $logFile "Completed WLAN Report..."
Get-Content -Path "C:\temps\CBSupportTool\$vUserName\$vHostName\Assets\log.log"
#endregion Gather Wlan Report

#region Collapsable Buttons SOFTWARE

 ConvertTo-Html -head $a -Body '

</head>
<body>

<button class="collapsible">Error Events (Top 100)</button>
<div class="content">
```

```
   <embed src="./Assets/iManageErr.html" width="100%" height="1000">
</div>


<button class="collapsible">iManage Errors</button>
<div class="content">
   <embed src="./Assets/iManageEvent.html" width="100%" height="1000">
</div>


<button class="collapsible">iManage Registry Report</button>
<div class="content">
   <embed src="./Assets/iManageReg.html" width="100%" height="1000">
</div>


 <button class="collapsible">Applications</button>
<div class="content">
   <embed src="./Assets/apps.html" width="100%" height="800">
</div>

 <button class="collapsible">Startup Software</button>
<div class="content">
   <embed src="./Assets/Startup.html" width="100%" height="800">
</div>

 <button class="collapsible">Running Process</button>
<div class="content">
   <embed src="./Assets/Running.html" width="100%" height="600">
</div>

 <button class="collapsible">Service</button>
<div class="content">
   <embed src="./Assets/Service.html" width="100%" height="300">
</div>


<script>
var coll = document.getElementsByClassName("collapsible");
var i;
```

```
for (i = 0; i < coll.length; i++) {
  coll[i].addEventListener("click", function() {
    this.classList.toggle("active");
    var content = this.nextElementSibling;
    if (content.style.maxHeight){
      content.style.maxHeight = null;
    } else {
      content.style.maxHeight = content.scrollHeight + "px";
    }
  });
}
</script>

</body>' >> "$filepath\$vComputerName.html"

#endregion Collapsable Buttons

cls
Add-Content $logFile "Software Information Complete..."
Get-Content -Path "C:\temps\CBSupportTool\$vUserName\$vHostName\Assets\log.log"

#region REPORT□□□□□□□□□□
$Report = "The Report is generated On  $(get-date) by $((Get-Item env:\username).Value) on
computer $((Get-Item env:\Computername).Value)"
$Report  >> "$filepath\$vComputerName.html"
#endregion REPORT



#zip all files to email
$compress = @{
Path= "C:\temps\CBSupportTool\$vUserName\"
CompressionLevel = "Fastest"
DestinationPath = "C:\temps\CBSupportTool\$vUserName\CBSupport.zip"
}
Compress-Archive @compress



#Read-Host -Prompt "Press any key to continue to email prompt or CTRL+C to quit"
Start-Sleep -s 2
```

```
function emailrecip{


Add-Type -AssemblyName System.Windows.Forms
Add-Type -AssemblyName System.Drawing


$form = New-Object System.Windows.Forms.Form
$form.Text = 'Email Support Files'
$form.Size = New-Object System.Drawing.Size(300,200)
$form.StartPosition = 'CenterScreen'

$OKButton = New-Object System.Windows.Forms.Button
$OKButton.Location = New-Object System.Drawing.Point(75,120)
$OKButton.Size = New-Object System.Drawing.Size(75,23)
$OKButton.Text = 'OK'
$OKButton.DialogResult = [System.Windows.Forms.DialogResult]::OK
$form.AcceptButton = $OKButton
$form.Controls.Add($OKButton)

$CancelButton = New-Object System.Windows.Forms.Button
$CancelButton.Location = New-Object System.Drawing.Point(150,120)
$CancelButton.Size = New-Object System.Drawing.Size(75,23)
$CancelButton.Text = 'Cancel'
$CancelButton.DialogResult = [System.Windows.Forms.DialogResult]::Cancel
$form.CancelButton = $CancelButton
$form.Controls.Add($CancelButton)

$label = New-Object System.Windows.Forms.Label
$label.Location = New-Object System.Drawing.Point(10,20)
$label.Size = New-Object System.Drawing.Size(280,20)
$label.Text = 'Select who should recieve support files:'
$form.Controls.Add($label)

$listBox = New-Object System.Windows.Forms.ListBox
$listBox.Location = New-Object System.Drawing.Point(10,40)
$listBox.Size = New-Object System.Drawing.Size(260,20)
$listBox.Height = 80
```

```
[void] $listBox.Items.Add('justin.cartwright@codeblue.co.nz')
[void] $listBox.Items.Add('james.doody@codeblue.co.nz')
[void] $listBox.Items.Add('cbsupport@wynnwilliams.co.nz')


$form.Controls.Add($listBox)

$form.Topmost = $true

$result = $form.ShowDialog()

if ($result -eq [System.Windows.Forms.DialogResult]::OK)
{
    $x = $listBox.SelectedItem
    $x
}

$Script:emailper = $x


}


function SendEmail{
Send-MailMessage -From “codeblue@wynnwilliams.co.nz” -To $emailper -Attachments
"C:\temps\CBSupportTool\$vUserName\CBSupport.zip" -Subject “CB Support Zip $vINCNo for user:
$vUserName" -Body "$SupportPerson Wrote: $vComments. Connectwise No.$vTicketNo" -SmtpServer
“smtp.office365.com” -UseSsl -Credential “codeblue@wynnwilliams.co.nz”

}



#region Email Question

#$wshell = New-Object -ComObject Wscript.Shell
#$emailAwnser = $wshell.Popup("The report generation script has successfully completed! Do you
want to email the support files?",0,"Completed",4+32)
```

```
#If($emailAwnser -match "6") {emailrecip}

#If($emailAwnser -match "6") {SendEmail}
#$emailAwnser = "NONE"

#endregion Email Question









#open HTML
#invoke-Expression "$filepath\'$vComputerName'.html"
#Invoke-Item $filepath


#delete files
cls
Add-Content $logFile "Completed Support Tool..."
Get-Content -Path "C:\temps\CBSupportTool\$vUserName\$vHostName\Assets\log.log"

Start-Sleep -s 2
```

Citrix Version Check.ps1

```
#Citrix Version Wanted
#
#----------
#WORKFLOW
#------------
#Check location, clear/delete
#Download correct version to temp
#run script to detect/uninstall old version, then run script to install
#
#
#
#
#
#
#
#
#



$wantedver = "

22.6.0.61



"

$citrixver = Get-childitem "HKLM:\SOFTWARE\WOW6432Node\Citrix\InstallDetect\" | Get-
itemProperty | select DisplayVersion | ft -HideTableHeaders | Out-String



if ($citrixver -ne $wantedver)
{

$title    = 'Wrong Version of Citrix installed!'
```

```
$question = 'The correct version will be installed now, Are you sure you want to proceed?'
$choices  = '&Yes', '&No'

$decision = $Host.UI.PromptForChoice($title, $question, $choices, 1)
if ($decision -eq 0) {
    Write-Host 'confirmed'
C:\temp\CurrentCitrixWorkspaceApp.exe /silent /uninstall
} else {
    Write-Host 'cancelled'
}

}
#Download correct version
# $URL = "http://files.thecartwrights.nz/share/Whl3ekUX/CitrixWorkspaceApp LTSR 2201-1.exe"
# $DLPath = "C:\temp"
# (New-Object System.Net.WebClient).DownloadFile($URL, $Path)
```

Login Session Length

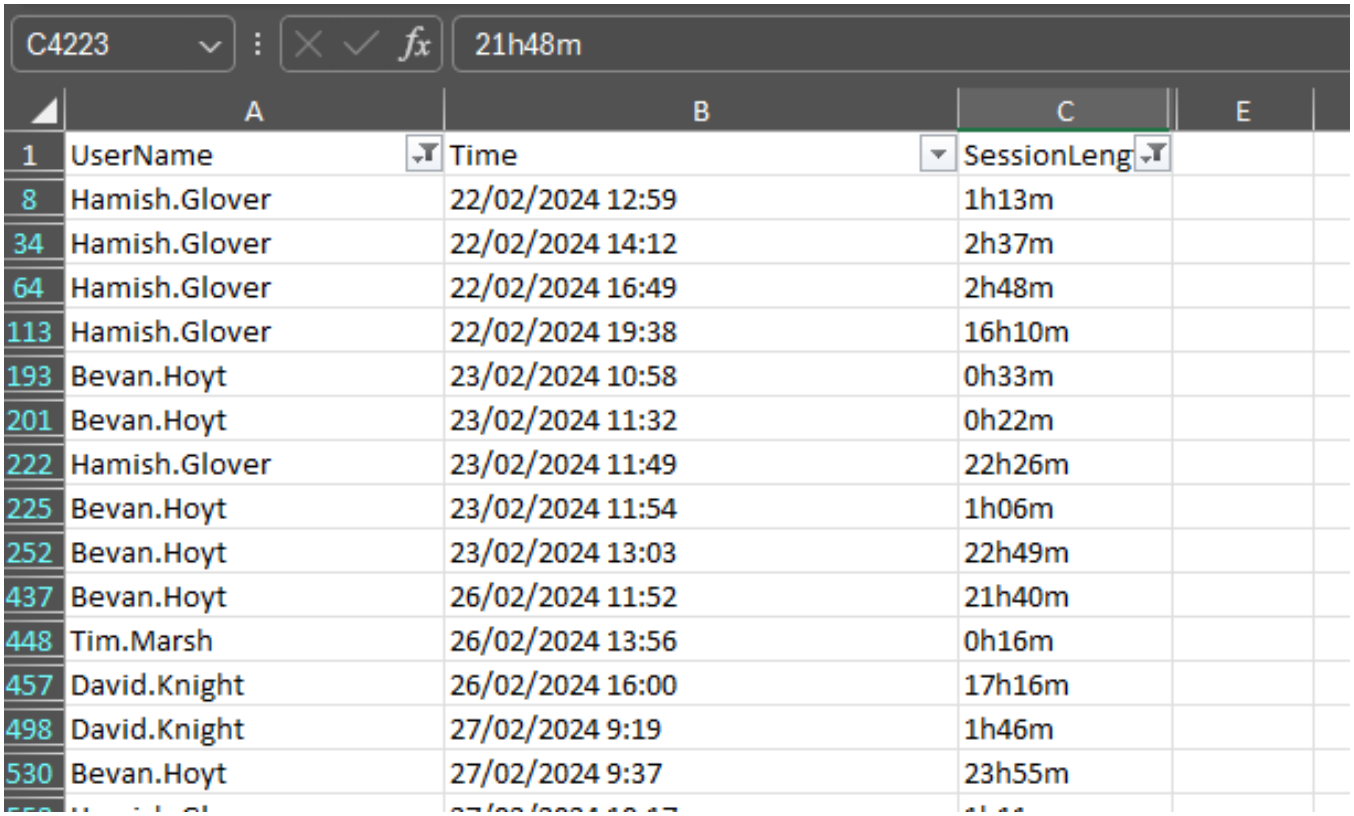
This PowerShell script gathers login and logoff events from the Security log, calculates session lengths for each user session, and exports the information to a CSV file.

Here's a breakdown of what each part of the script does:

1. **Convert-TicksToTime Function**: This function takes ticks (a unit of time in .NET framework) as input and converts them into a readable time format in hours and minutes.
2. **Get-WinEvent Cmdlet**: It retrieves events from the Security log with event IDs 4624 (logon events) and 4625 (logoff events). It sorts the events by their creation time.
3. **$logins Array**: This array will store login information.
4. **Loop Through Events**: For each event retrieved, it parses the XML representation of the event to extract relevant properties such as time, event ID, and username.
5. **Calculating Session Length**: For logoff events (event ID 4624), it looks for the next logon event for the same user and calculates the session length by subtracting the logon time from the logoff time. It uses the `Convert-TicksToTime` function to convert the time difference from ticks to a human-readable format.
6. **Export to CSV**: Finally, it exports the collected login information to a CSV file named 'LoginInfo.csv' without including type information.

In summary, this script is a utility to collect and analyze user login and logoff events from the Windows Security log and export them to a CSV file for further analysis or reporting.

Preview of output (fiiltered)



C4223 : fx 21h48m

	A	B	C	E
1	UserName	Time	SessionLeng	
8	Hamish.Glover	22/02/2024 12:59	1h13m	
34	Hamish.Glover	22/02/2024 14:12	2h37m	
64	Hamish.Glover	22/02/2024 16:49	2h48m	
113	Hamish.Glover	22/02/2024 19:38	16h10m	
193	Bevan.Hoyt	23/02/2024 10:58	0h33m	
201	Bevan.Hoyt	23/02/2024 11:32	0h22m	
222	Hamish.Glover	23/02/2024 11:49	22h26m	
225	Bevan.Hoyt	23/02/2024 11:54	1h06m	
252	Bevan.Hoyt	23/02/2024 13:03	22h49m	
437	Bevan.Hoyt	26/02/2024 11:52	21h40m	
448	Tim.Marsh	26/02/2024 13:56	0h16m	
457	David.Knight	26/02/2024 16:00	17h16m	
498	David.Knight	27/02/2024 9:19	1h46m	
530	Bevan.Hoyt	27/02/2024 9:37	23h55m	

```
# Function to convert ticks to a readable time format (hours and minutes)
function Convert-TicksToTime {
    param(
        [Parameter(Mandatory=$true)]
        [long]$Ticks
    )
    return [TimeSpan]::FromTicks($Ticks).ToString('h\hmm\m')
}

# Get all login events
$loginEvents = Get-WinEvent -FilterHashtable @{
    LogName='Security';
    ID=4624, 4625; # Logon and logoff event IDs
} -ErrorAction SilentlyContinue | Sort-Object TimeCreated

# Array to store login information
$logins = @()

foreach ($event in $loginEvents) {
    $eventXML = [xml]$event.ToXml()
```

```
    $properties = @{
        'Time' = $event.TimeCreated
        'EventID' = $event.Id
        'UserName' = $event.Properties[5].Value
        'SessionLength' = ''
    }

    # If it's a logoff event, calculate session length
    if ($event.Id -eq 4624) {
        $logoffEvent = $loginEvents | Where-Object { $_.Properties[5].Value -eq
$properties['UserName'] -and $_.TimeCreated -gt $event.TimeCreated } | Select-Object -First 1
        if ($logoffEvent) {
            $properties['SessionLength'] = Convert-TicksToTime ($logoffEvent.TimeCreated -
$event.TimeCreated).Ticks
        }
    }

    $logins += New-Object PSObject -Property $properties
}

# Export to CSV
$logins | Export-Csv -Path 'LoginInfo.csv' -NoTypeInformation
```