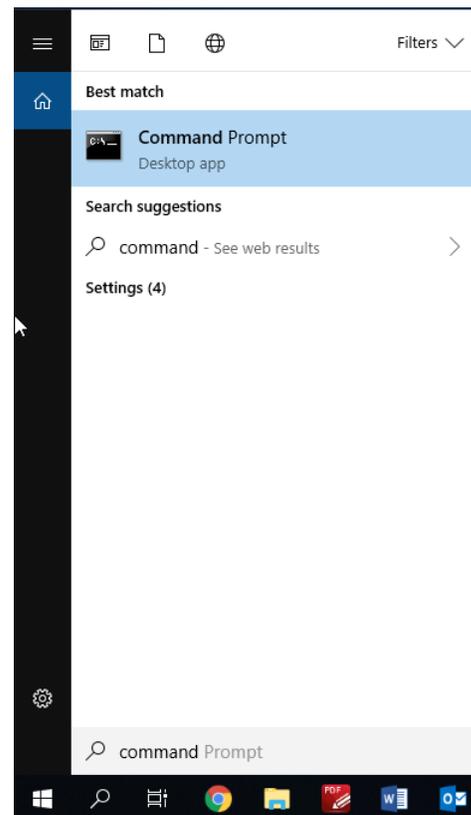


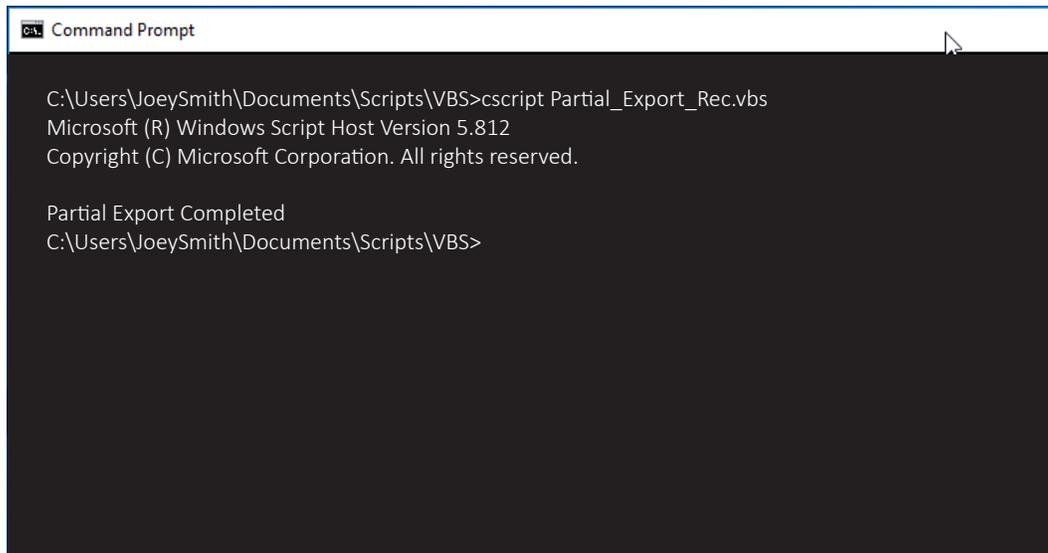
Partial Export of a Recorder File with VISION API

VISION 5.2 brings a wealth of new features, among those features is the ability to partially export desired portions of a recorder file using VISION API scripting. With the API “PartialExportToREC” method, the script is able to generate a subset of the original recording file that defines new start and end times, a specified set of data items (or Channels), and whether any layout file should be included.

To begin, enter “command” in the windows search bar to open the Command Prompt.



Once in the Command Prompt, users will be able to open their preferred program for scripting, in the following example VBScript will be used.



```

CA: Command Prompt

C:\Users\JoeySmith\Documents\Scripts\VBS>cscript Partial_Export_Rec.vbs
Microsoft (R) Windows Script Host Version 5.812
Copyright (C) Microsoft Corporation. All rights reserved.

Partial Export Completed
C:\Users\JoeySmith\Documents\Scripts\VBS>

```

Below is an example script that will perform a partial export of the desired parameters removing the first and last 10% of the original recorder file. Recorder files placed in the specified file location will automatically have partial exports performed.

```

'Partial_Export_Rec- Launch from a Windows command line with the "cscript.exe" program to see debugging information.

If "CSCRIPT.EXE" <> UCase(Right(WScript.Fullname, 11)) Then
  DEBUG_PROGRESS = FALSE
else
  DEBUG_PROGRESS = TRUE
  Set objStdOut = WScript.StdOut
end if

Dim RecFile
Set RecFile = CreateObject("Vision.RecorderFile")

RecFile.OpenRecorderFile("C:\Users\Public\Documents\Accurate Technologies\VISION 5.2 Samples\VISION Demo\Multi_Graph View.rec")

PartialExportOutFile = "C:\Users\Public\Documents\Accurate Technologies\VISION 5.2 Samples\VISION Demo\Multi_Graph View Part.rec"

Dim DesiredRecChnls
DesiredRecChnls = Array("rpm","map","Other")

StartTimeSeconds = (Hour(RecFile.StartTime)*360 + (Minute(RecFile.StartTime)*60) + Second(RecFile.StartTime))
StopTimeSeconds = (Hour(RecFile.StopTime)*360 + (Minute(RecFile.StopTime)*60) + Second(RecFile.StopTime))

RecordingDuration = StopTimeSeconds- StartTimeSeconds

Results = RecFile.PartialExportToREC(PartialExportOutFile,DesiredRecChnls,(RecordingDuration *.1),(RecordingDuration *.9),False)

if DEBUG_PROGRESS then
  if Results = 0 then
    objStdOut.Write("Partial Export Completed")
  else
    objStdOut.Write("Partial Export failed!")
  end if
end if

```

- RecFile – Specifies the original source recorder file from which the partial recorder file will be created.
- PartialExportOutFile – Specifies the name that will be assigned to the newly created partial recorder file.
Note: It can be derived from the source recorder file name to make it automatic.
- DesiredRecChnls – List of recorder channel names for all data items that should be exported from the source recorder file name into the partial exported recorder file.
Note: if the recorder channel name doesn't exist in the source recorder file, the desired recorder channel will be ignored.
- StartTimeSeconds – Determination of the start time of the recorder file in absolute seconds which makes the pruning of unwanted recording time at the beginning of the recording possible.
- StopTimeSeconds – Determination of the stop time of the recorder file in absolute seconds which makes the pruning of unwanted recording time at the end of the recording possible.
- RecordingDuration – Calculation of the total duration of the recording time in seconds.
- Results – Enumerated result from the PartialExportToREC function to indicate if the partial export succeeded or not. Failures can be for many reasons which are defined in the VISION_STATUS_CODES enum.

The example given is one of many possibilities using VISION API to automate partial recordings.

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