# Advanced Event 2

*An Inventory Intervention*

Dr. Scripto finally has the budget to buy a few new virtualization host servers, but he needs to make some room in the data center to accommodate them. He thinks it makes sense to get rid of his lowest-powered old servers first... but he needs to figure out which ones those are.

This is just the first wave, too – there's more budget on the horizon so it's possible he'll need to run this little report a few times. Better make a reusable tool.

All of the virtualization hosts run Windows Server, but some of them don't have Windows PowerShell installed, and they're all running different OS versions. The oldest OS version is Windows 2000 Server (he knows, and he's embarrassed, but he's just been so darn *busy*).  The good news is that they all belong to the same domain, and that *you* can rely on having a Domain Admin account to work with.

The good Doctor has asked you to write a PowerShell tool that can show him each server's name, installed version of Windows, amount of installed physical memory, and number of installed processors. For processors, he'll be happy getting a count of cores, or sockets, or even both – whatever you can reliably provide across all these different versions of Windows. He has a few text files with computer names – he'd like to pipe the computer names, as strings, to your tool, and have your tool query those computers.

Oh, and in case he forgets how to use it – make sure this tool of yours has a full help display available.