Advanced Event 4

An Auditing Adventure

Dr. Scripto isn't saying he dislikes auditors, but they do seem to show up at the most inconvenient times, and with the oddest requests. So he's tossing this particular auditor request over to you.

This auditor would like a report that shows 20 randomly selected (well, as random as you can get) users from Active Directory. For each user, the auditor wants to see their user name, their department and title, and the last time they logged in. You also need to show the date their password was last changed, and whether or not the account is disabled or locked out. So that's seven pieces of information total. You're to put that information into an HTML-based report file, and the file must show the date and time that the report was generated. Please make sure that all of the dates are normal looking, human-readable dates and times.

Auditors being like they are, that "20 randomly" selected number will probably change in the future – so you'd better build this as a reusable tool. Have a parameter that specifies the number of users to pull, and default it to 20. Also parameterize the output HTML filename. Oh, but if the specified filename doesn't end in ".html" or ".htm," reject it. Get PowerShell to do as much of that validation as possible – Dr. Scripto has to review your code, and doesn't want to read a lot of manual validation script.

A Domain Admin will always run the command (on behalf of the auditor), and the resulting HTML file will be manually e-mailed to the requesting auditor.