.DESCRIPTION

This script enables Javiar's Proxy for exams

in the CEDC, specifically Computer Science.

.OUTPUTS

The Proxy Status (Enabled/Disabled) stored in C:\Windows\Logs\Proxy\

.NOTES

Version: 0.1

Author: Aaron Staten

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Purpose: For CEDC IT Dept. use

Located Proxy is hosted: dceasapp783 (is domain-joined: accessed via SSH using university credentials)

Port of Proxy: 3128

.EXAMPLE

& .\Enable-Proxy.ps1

Can be used as a FOG snap-in and sent to all PCs or invoked regularly (sends to all Pcs in the array):

Invoke-Command -FilePath .\Enable-Proxy.ps1 -ComputerName $PCs

Or if you want to be fancy and make each it's own job

Foreach ($PC in $PCs){Invoke-Command -FilePath .\Enable-Proxy.ps1 -ComputerName $PC -AsJob }

Javier will make all edits to the proxy, so we don’t have to ever login there, once we control the enable and disablement of the proxy.

The only issues may be if when Javier moves the logs manually (after using the proxy, so no impact on the exam), the read/write permissions are messed and squid will fail to start. Fastest way to solve is backup everything in /etc/squid (config) and logs (/var/log/squid likely) and uninstall/reinstall squid proxy, and place back the config files.

When done testing, Javier will comment the parts of /etc/squid/squid.conf between

############################

# START JP

#########################3

and

 #####################

## END JP

#####################

while restarting squid proxy (systemctl restart squid). This will disable the proxying portion so internet works again as normal. At this time, we can remove the above changes from Group Policy Management by deleting the 3 key entries + the “prevent changing proxy settings” policy.

Links to changing the browsers (chrome, FF, edge) homepages  (for use in changing the home page to one allowed by the proxy, so there’s a less chance of “tipping off” students). Plan is to make a snap-in that changes all three at once to something like instructure.ucdenver.edu, or whatever page is allowed in the squid proxy config.

<https://gist.github.com/aldodelgado/ab70809ed513fa59c1a50f532d47297a>

<https://devblogs.microsoft.com/powershell-community/how-to-change-the-start-page-for-the-edge-browser/>

Possible updates: Use standard module template (build.psm1) to join enable and disable modules as one module.