

Proxy Address Editor

Version 1.0

Usage Guide

APR25-2023

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Preface

As part of an effort to reduce the amount of time spent assigning or removing proxy addresses periodic updates will be released. Therefore, some functions that are described in this document may not be supported by all versions of this tool.

Contact the technical support when a product does not function correctly or as described in this document.

Note:

This document was accurate at publication time. To find the latest version of this document, go to the repository

(<https://github.com/Kichuwa/Active-Directory-Tools>)

Purpose:

This document provides information on operation of the *Proxy Address Editor* Tool.

Audience:

This document is intended for for IT Support or Administrators with heightened privileges in windows server who are assigned to edit a user.

Revision History:

Revision	Date	Description
01	April 25, 2023	Release of PAE tool

Note:

Help can be found by reaching out to soulierdarren@gmail.com or leaving an issue ticket at (<https://github.com/Kichuwa/Active-Directory-Tools/issues/new>)

Introduction

Description

The *Proxy Address Editor* provides an easy to use interface for modification of Active Directory and Outlook365 users proxy addresses. The *Proxy Address Editor* uses direct integration with the domain in which the tool is used.

User Interface:

When using the *Proxy Address Editor*, search for a user and then select the provided options for operations. The editor reduces the amount of steps needed to manually complete the tasks of user editing.

While the *Proxy Address Editor* handles modification of users data, specifically proxy addresses, it is not intended to replace the Outlook Admin Panel or Active Directory User Control.

Purpose

The *Proxy Address Editor* simplifies the steps needed to search for and edit users of an Active Directory or Outlook365 proxy addresses. The *Proxy Address Editor* provides a simplistic UI for users to choose a less-complex method in modification of a desired user.

Deployment

The Proxy Address Editor is provided as a standalone Powershell File (.ps1).

Prerequisite

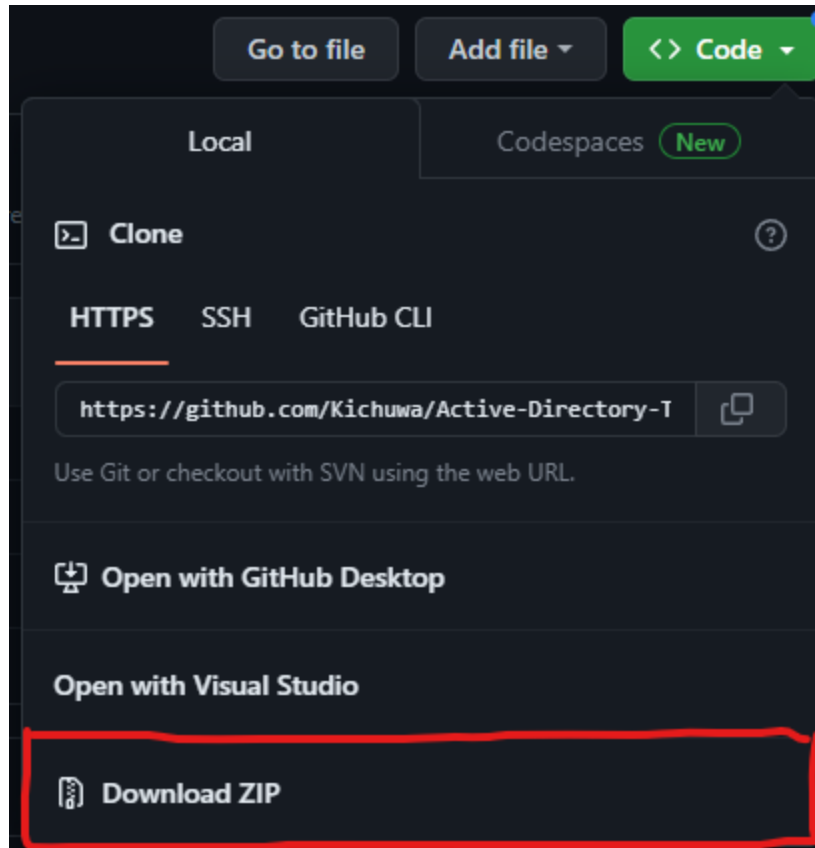
Powershell (v.5 or Newer)
IDE (Optional)

PS1 File

Obtain the PowerShell (.ps1) file from the release repository:

(<https://github.com/Kichuwa/Active-Directory-Tools>)

Locate and click the code button and download as .zip to obtain the tool kit.



Unzip the downloaded folder

Locate the file named "Proxy Address Editor tool.ps1"

Usage

To run the file you have 2 options:

1. Open the file in an Integrated Development Environment (IDE) such as Powershell ISE or Visual Studio Code with PowerShell add-on support.
2. Directly run the file from the command line

Example:

```
CMD> C:\Program Files\WindowsPowerShell\powershell.exe "C:\Temp\GetServices.ps1"
```

Functionality

Search

Searching for a user is as simple as typing a few letters that should match the user you are looking for. This feature is located as part of the main screen.

The screenshot shows the 'Proxy Address Editor' window. On the left, there is a search section with a text input field containing 'dar', a 'Search By Name' button, and three other buttons: 'Add Proxy Address', 'Remove Proxy Address', and 'Exit'. To the right of the search section, there are two main panels. The 'Users' panel lists 'Darren Soulier' and 'Darren Soulier VPN'. The 'Proxy Addresses' panel is currently empty.

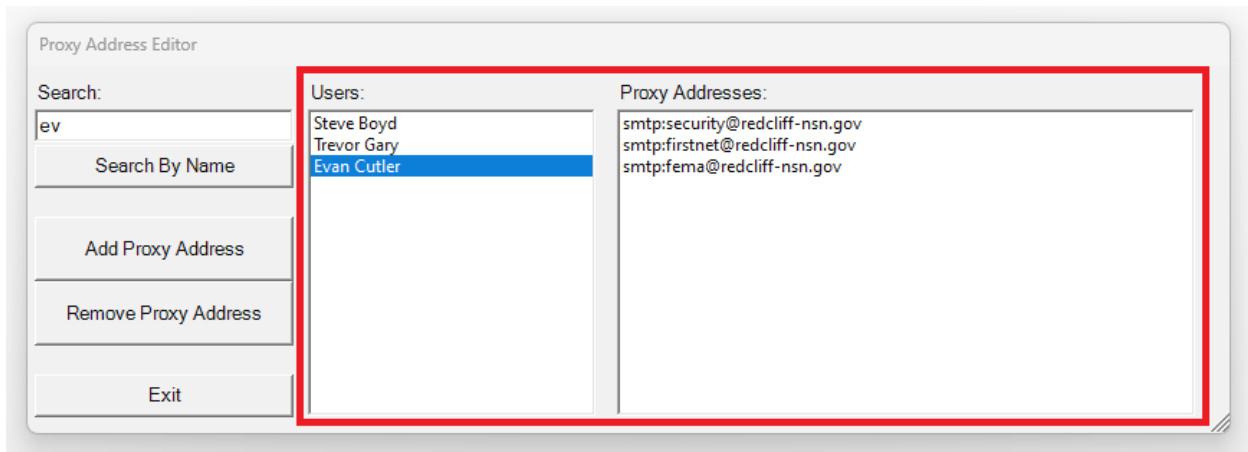
Example: Search Location

Any results found will return under the “Users” list box. If the search yields no match the output will show that there is no users given the search term.

Selecting a user will pull any associated proxy addresses should there be any associated with the account.

This screenshot shows the same 'Proxy Address Editor' window, but with 'Darren Soulier' selected in the 'Users' list. The 'Proxy Addresses' panel now displays the message 'No Proxy Address found for Darren Soulier'. A red rectangle highlights the 'Users' and 'Proxy Addresses' sections.

Example: No Proxy Addresses



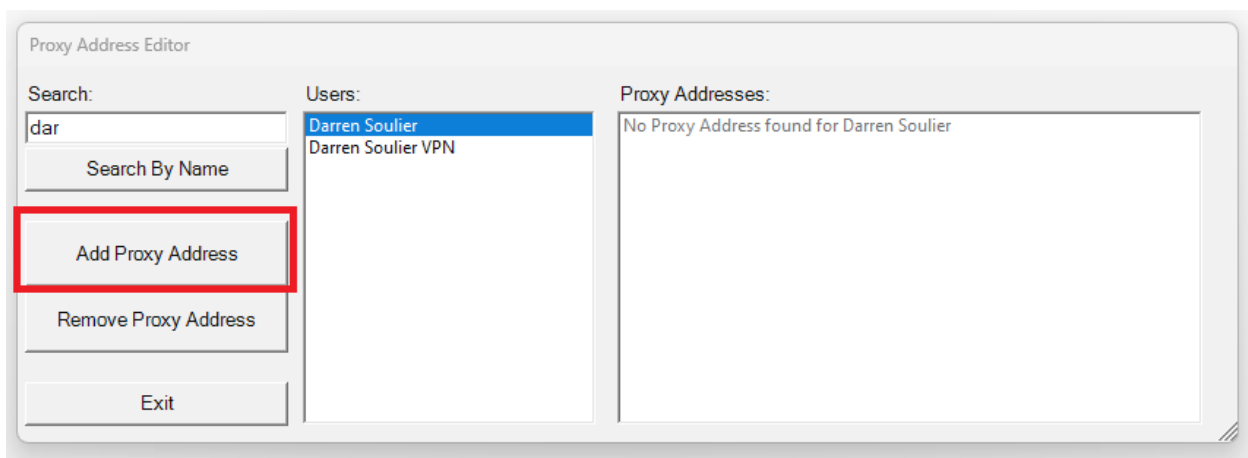
Example: Found Proxy Addresses

Note:

Adding and removing functionality is disabled unless a user from the “Users” list box.

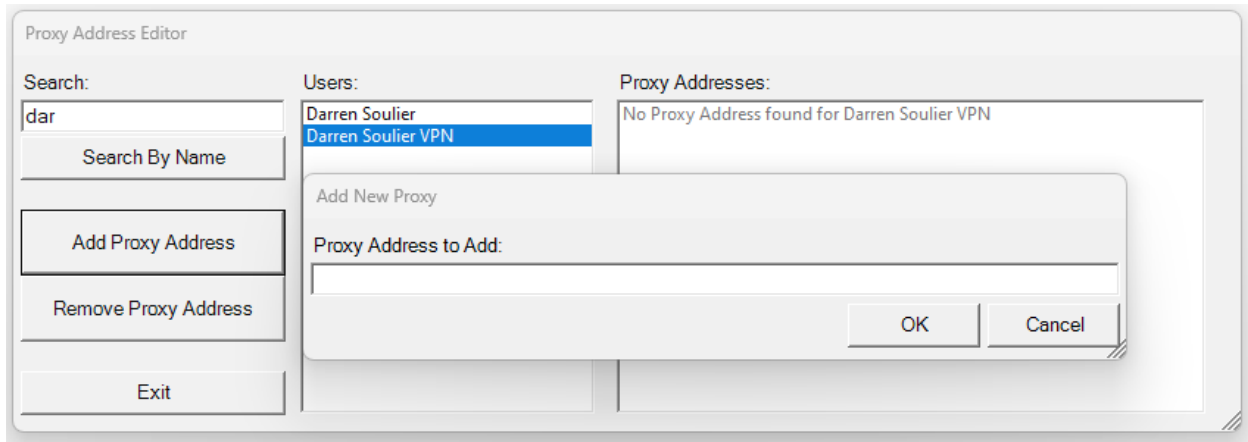
Add Proxy

After selecting a desired user, select the “Add Proxy Address” to assign a new proxy address. This feature is located below the search bar.



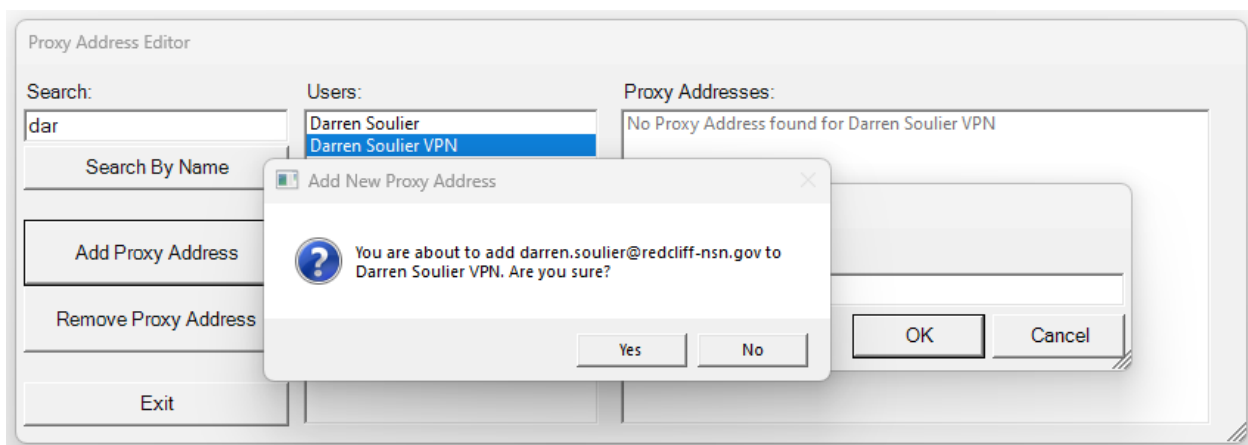
Example: Add Button Location

Using this button will prompt an input for a proxy address.



Example: Proxy Address Prompt

Once a desired proxy address has been give a confirmation box will pop up to ensure that the input is as desired.



Example: Confirmation Button

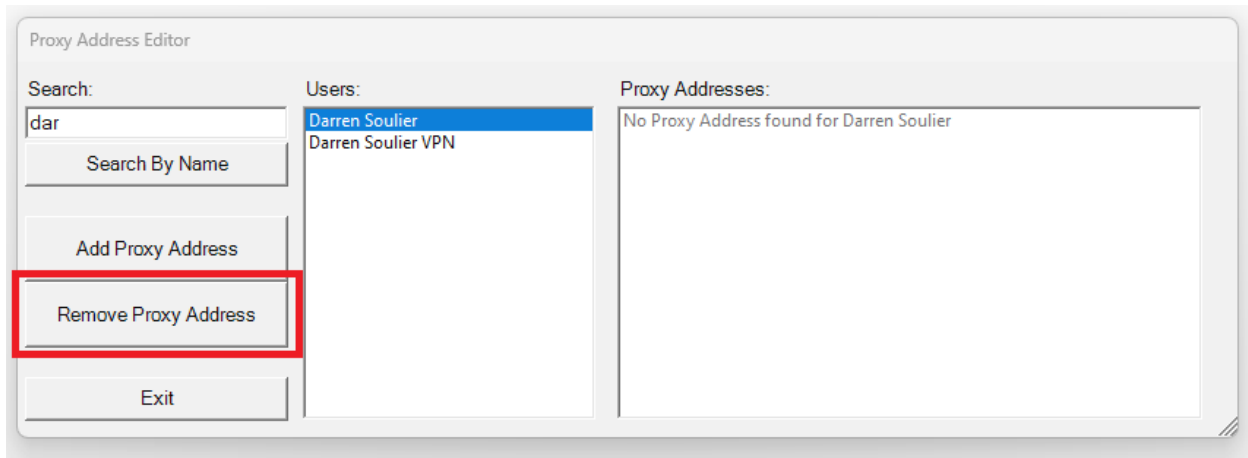
Once the confirmation is received the address will populate in the proxy address list box.

Note:

The amount of time to populate may take up to 30 seconds depending on size of Active Directory or Outlook365 population, server hardware, or network connectivity.

Remove Proxy

Similar to adding to a user, removing a user is as simple as clicking a user and the desired proxy then clicking the “Remove Proxy Address” button. This feature is located below the “Add Proxy Address” button.

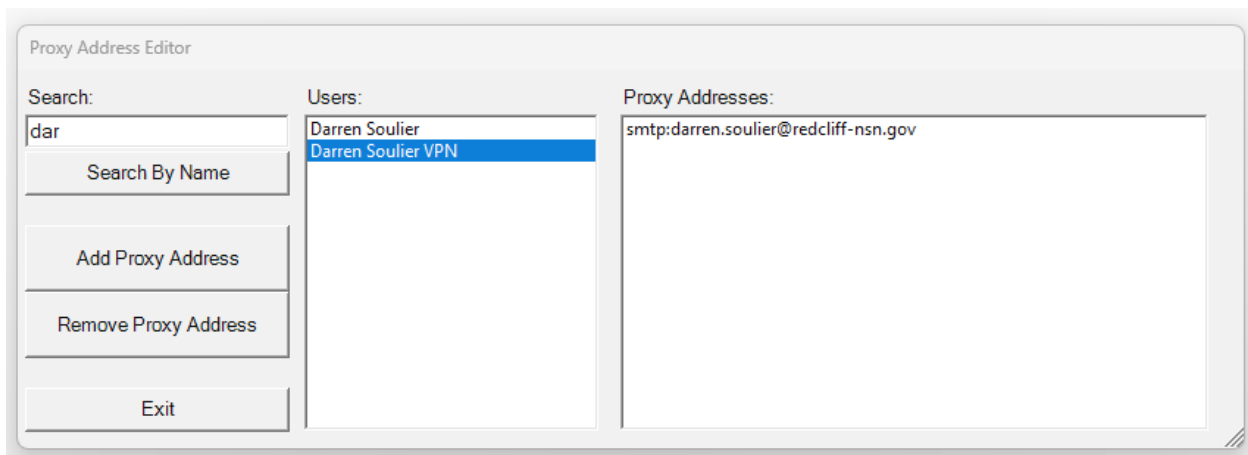


The screenshot shows the 'Proxy Address Editor' window. It has three main sections: 'Search:', 'Users:', and 'Proxy Addresses:'. In the 'Search:' section, there is a text input field containing 'dar' and a 'Search By Name' button. Below this are three buttons: 'Add Proxy Address', 'Remove Proxy Address' (which is highlighted with a red rectangular box), and 'Exit'. The 'Users:' section is a list box containing 'Darren Soulier' and 'Darren Soulier VPN'. The 'Proxy Addresses:' section is a text area containing the message 'No Proxy Address found for Darren Soulier'.

Example: Remove Button Location

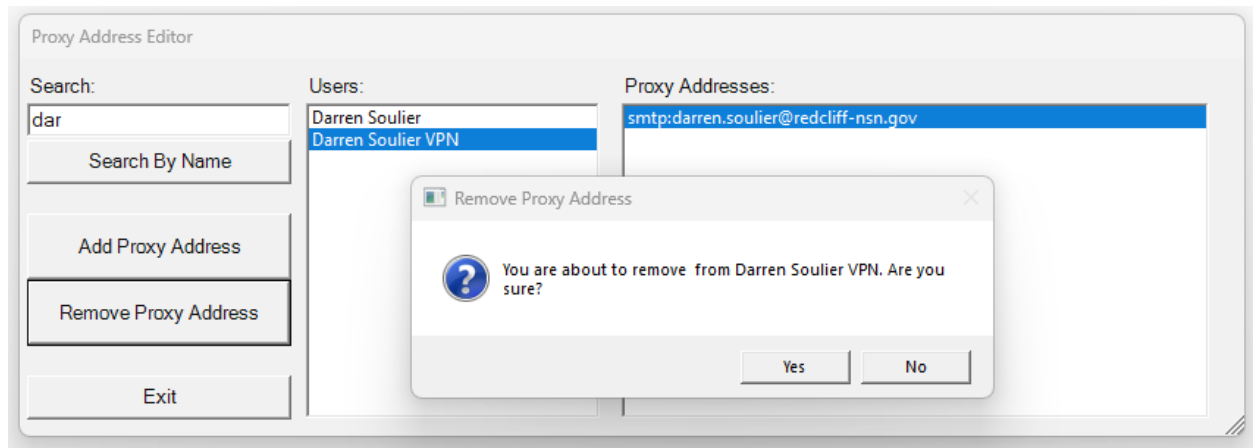
Note:

To be able to delete a proxy address, an address must be selected prior to attempting to delete the proxy.



This screenshot shows the 'Proxy Address Editor' window in a different state. The 'Search:' section is identical to the previous one. In the 'Users:' section, 'Darren Soulier' is now selected and highlighted in blue. The 'Proxy Addresses:' section now contains the email address 'smtp:darren.soulier@redcliff-nsn.gov'.

Example: User Deletion Process



Example: Proxy Deletion Confirmation

Once the confirmation is received the operation will continue as desired.

Logging

Every Action completed by the operator is logged by the tool. This is stored as a text file for other users to review.

The default storage route for this tool is C:\Temp\ProxyAddress-Tool but can easily be edited to store within a shared drive so that all edits may be compiled.

```
=====
Launched Proxy Editor at 2023-04-25 11:15:34
=====
11:15:34 - Connected to Active Directory as < Darren.Soulier >
~~~

11:15:42 - FUNCTION - Search by Username.
11:15:42 - User search for < dar > returned - Darren Soulier.
11:15:42 - User search for < dar > returned - Darren Soulier VPN.
~~~

11:15:43 - FUNCTION - Selected user Darren Soulier
11:15:43 - No Proxy Address found for Darren Soulier
~~~

11:15:46 - FUNCTION - Selected user Darren Soulier VPN
11:15:46 - No Proxy Address found for Darren Soulier VPN
~~~

11:20:19 - FUNCTION - Disconnected from Active Directory as < Darren.Soulier > - Program Closed.

=====
Launched Proxy Editor at 2023-04-25 15:23:18
=====
15:23:18 - Connected to Active Directory as < Darren.Soulier >
~~~

15:23:19 - FUNCTION - Search by Username.
15:23:19 - User search for < zzz > returned no results
```

Example: Log Example

The log files follow a naming convention that is based on a log-MM/dd/yyyy format where actions performed by the user is reflected in military time.

Appendix A

Problems and Known Limitations

This appendix includes the following topics:

- Address Validation
- Population Time
- Exclusive Secondary Address Assignment

Address Validation

Adding a proxy address via the *Proxy Address Editor* does not validate whether the address is correct yet. The assignment process for the address is within the Active Directory or Outlook directories is not implemented and therefore will accept any input. Use of care for the Proxy Address Editor must be exercised as to ensure the input is legitimate and usable.

Population Time

Given the size of some Active Directory Forests, the updated data found in the proxy address list may take up to 30 seconds to populate. Other factors such as hardware and network stability may come into play while awaiting changes.

Exclusive Secondary Address Assignment

Proxy address have roles given based on case-setting of “smtp:” preface. Upper-case denotes primary whereas lower is secondary (or lesser). The *Proxy Address Editor* exclusively assigns secondary proxy addresses currently. Future versions may involve address “promotion” or choice of address setting.