These scripts were created to automate new user creation for two sister companies. HR/Users would fill out a new user request form which would then email their responses in raw text to the helpdesk email account.

The form would generate an email with the following template:

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

First name: John

Last Name: Smith

Extension: 5555

Direct Number: 555-555-5555

Fax Number: 555-555-5555

Cell Number: 555-555-5555

Desk Location: IT Offices

Job title: Systems Administrator

Hire Date: YYYY-MM-DD

Role: Employee | Contractor

Department: IT Department

Location: Salt Lake City, UT

Company: Company1

Needs Key FOB: Yes | No

Software Needed: VPN, Adobe Suite

Comments: Send Temporary Credentials to Manager

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

These scripts will scan for new user request emails > open these emails and parse this information > create new user accounts in Active Directory. It will also produce a temporary password and import their temporary credentials to Bitwarden.

Required Packages:

Python:

imap\_tools - <https://pypi.org/project/imap-tools/#basic>

passwordgenerator - <https://github.com/gabfl/password-generator-py/>

Powershell:

Active Directory Module- [ActiveDirectory Module | Microsoft Docs](https://docs.microsoft.com/en-us/powershell/module/activedirectory/)