

# Interactive installation of AzureCLI, Kubectl and Kubelogin

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## Introduction

This document explains how to connect with your AKS cluster with interactive login. If you want to access AKS cluster you need Azure CLI, Kubectl and kubelogin

In FSCP 3.0, all AKS clusters will be Azure AD-integrated clusters, which means `kubelogin` will be mandatory.

Starting with Kubernetes 1.24, the following changes will be made default:

`cluster user` credential for AAD enabled clusters will be used to 'exec' using `kubelogin`

If you are using Azure CLI to login interactively on your desktop, it will prompt users to download kubelogin, if not already present.

## Azure CLI Installation:

Use this [guide](#) to install azure cli on you system.

## Kubectl Installation:

Use this [guide](#) to install kubectl using azure cli

## kubelogin Installation:

you need to download and run `kubelogin` to convert your credentials to a certificate. You will also add `kubelogin` to your path, in order that `kubectl` can call it.

## Using Azure CLI

Use this [guide](#) to install kubelogin using azure cli

## Using Direct Downlaod:

Install Kubelogin binary from following repository. <https://github.com/Azure/kubelogin/releases>

### Linux:

1. Download kubelogin Binary from official GitHub release page by visiting following link. [Azure/kubelogin](https://github.com/Azure/kubelogin/releases)

2. Based on your Linux system type choose binary amd64/arm64

you can check system type using below command:

```
uname -m
```

In the output:

```
x86_64 - AMD64/x86-64
```

```
aaarch64 - ARM64
```

3. Now download the binary file using curl according to your system type.

```
curl https://github.com/Azure/kubelogin/releases/download/<replace-release-name>/kubelogin-linux-amd64.zip
```

Example: `curl https://github.com/Azure/kubelogin/releases/download/v0.0.27/kubelogin-linux-amd64.zip`

4. Extract the downloaded zip file:

```
unzip kubelogin_linux_amd64.zip
```

5. Move kubelogin binary to a directory which is already in your system PATH such as /usr/local/bin

```
sudo mv kubelogin /usr/local/bin
```

6. verify kubelogin installation by running below command.

```
kubelogin --version
```

### Windows:

1. Download kubelogin Binary from official GitHub release page by visiting following link. [Azure/kubelogin](https://github.com/Azure/kubelogin/releases)

2. Check your system type and based on that choose downloading amd64/arm64

You can verify your system type using below procedure:

- o Press windows + r (run prompt)
- o Type `msinfo32` and press enter. Check for system type if it has x64-based PC your system is amd.
- o Else if you have ARM64-based PC your system is arm.

Based on the binary suitable to your system type, download the zip file from list of the latest release.

3. Once you have downloaded the zip file, extract the kubelogin.exe binary from zip file.

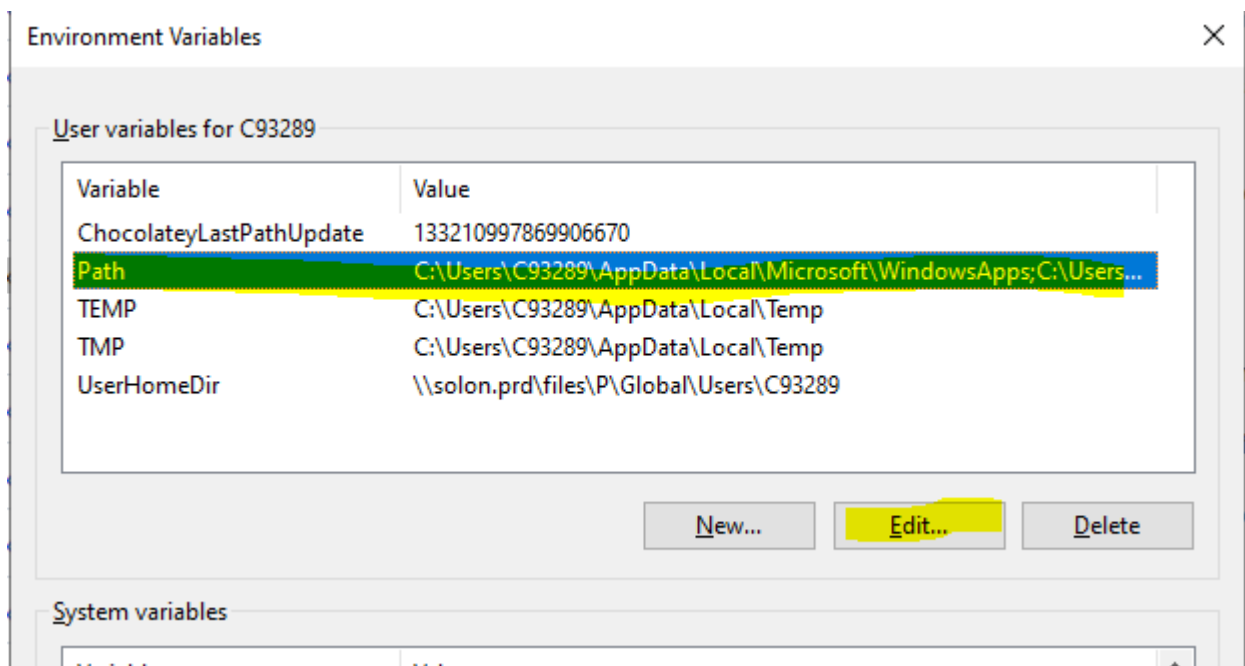
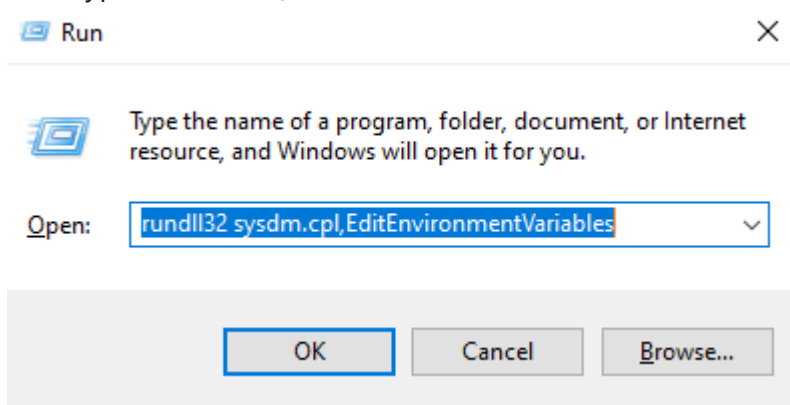
4. If you don't have admin privileges to set PATH, to make the kubelogin only available to current user, copy kubelogin.exe to a directory which is already in your system PATH.

Copy kubelogin.exe file to `c:\Users\\AppData\Local\Microsoft\WindowsApps` folder

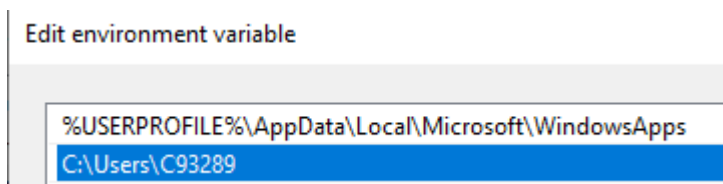
If you have admin privileges to set the PATH. Copy the path where the `kubelogin.exe` is located and add it to PATH of environment variables

To add environment variables you can run

- o press windows + r (run prompt)
- o Type `rundll32 sysdm.cpl,EditEnvironmentVariables` and press enter.



Select Path and click on edit then add your kubelogin path. I have added `c:\Users\C93289` as I have kubelogin in this directory.



Once done with adding the directory you can validate kubelogin installation by running below command from cmd

```
kubelogin --version
```

## MacOs:

Installation (choose one method):

### homebrew

```
brew install Azure/kubelogin/kubelogin
```

### asdf

```
asdf plugin add kubelogin
```

```
asdf install kubelogin 0.0.27
```



### repository

Download binary suitable to your documentation (amd64 vs arm64)

extracts only the executable in `/usr/local/bin`

```
curl -LO 'https://github.com/Azure/kubelogin/releases/download/v0.0.27/kubelogin-darwin-amd64.zip'  
unzip -j 'kubelogin-darwin-amd64.zip' 'bin/darwin_amd64/kubelogin' -d '/usr/local/bin'
```

