

MiniKF on Windows

Pre-Requisites

- Install VirtualBox (Version 6.1.22) - <https://www.virtualbox.org/wiki/Downloads>
- Install Vagrant (Version 2.2.16) - <https://www.vagrantup.com/downloads>

Installation

```
> mkdir minikf
> cd minikf
> vagrant init arrikto/minikf
> vagrant up

Bringing machine 'default' up with 'virtualbox' provider...
==> default: Box 'arrikto/minikf' could not be found. Attempting to find and install...
    default: Box Provider: virtualbox
    default: Box Version: >= 0
==> default: Loading metadata for box 'arrikto/minikf'
    default: URL: https://vagrantcloud.com/arrikto/minikf
==> default: Adding box 'arrikto/minikf' (v20210428.0.1) for provider: virtualbox
    default: Downloading: https://vagrantcloud.com/arrikto/boxes/minikf/versions/20210428.0.1/providers
/virtualbox.box
Download redirected to host: storage.googleapis.com
    default:
==> default: Successfully added box 'arrikto/minikf' (v20210428.0.1) for 'virtualbox'!
Plugin 'vagrant-persistent-storage' is missing, running `vagrant plugin install vagrant-persistent-storage`...
Installing the 'vagrant-persistent-storage --version '>= 0.0.47'' plugin. This can take a few minutes...
Fetching vagrant-persistent-storage-0.0.49.gem
Installed the plugin 'vagrant-persistent-storage (0.0.49)'!
Plugin installed successfully, please re-run `vagrant up`.

> vagrant up

Bringing machine 'default' up with 'virtualbox' provider...
==> default: Using C:/Users/mehan/projects/minikf/minikf-user-data.vdi for persistent storage.
==> default: Importing base box 'arrikto/minikf'...
==> default: Generating MAC address for NAT networking...
==> default: Using C:/Users/mehan/projects/minikf/minikf-user-data.vdi for persistent storage.
==> default: Checking if box 'arrikto/minikf' version '20210428.0.1' is up to date...
==> default: Setting the name of the VM: minikf_default_1622140520730_25762
Vagrant is currently configured to create VirtualBox synced folders with
the `SharedFoldersEnableSymlinksCreate` option enabled. If the Vagrant
guest is not trusted, you may want to disable this option. For more
information on this option, please refer to the VirtualBox manual:

    https://www.virtualbox.org/manual/ch04.html#sharedfolders

This option can be disabled globally with an environment variable:

    VAGRANT_DISABLE_VBOXSYMLINKCREATE=1

or on a per folder basis within the Vagrantfile:

    config.vm.synced_folder '/host/path', '/guest/path', SharedFoldersEnableSymlinksCreate: false
==> default: Clearing any previously set network interfaces...
==> default: Preparing network interfaces based on configuration...
    default: Adapter 1: nat
    default: Adapter 2: hostonly
==> default: Forwarding ports...
    default: 32123 (guest) => 32123 (host) (adapter 1)
    default: 22 (guest) => 2222 (host) (adapter 1)
==> default: Using C:/Users/mehan/projects/minikf/minikf-user-data.vdi for persistent storage.
==> default: Running 'pre-boot' VM customizations...
==> default: Using C:/Users/mehan/projects/minikf/minikf-user-data.vdi for persistent storage.
```

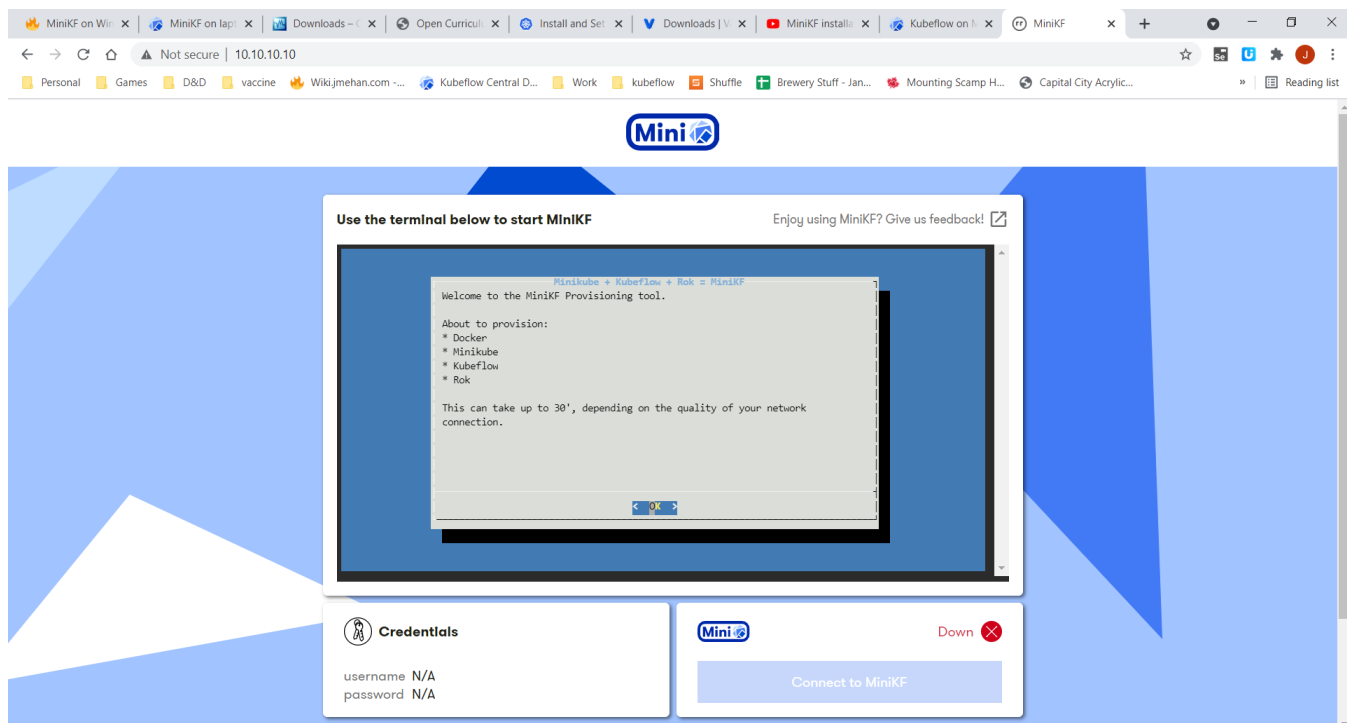
```

==> default: ** Creating persistent storage **
==> default: Using C:/Users/mehan/projects/minikf/minikf-user-data.vdi for persistent storage.
==> default: ** Attaching persistent storage **
==> default: Booting VM...
==> default: Waiting for machine to boot. This may take a few minutes...
default: SSH address: 127.0.0.1:2222
default: SSH username: vagrant
default: SSH auth method: private key
default:
default: Vagrant insecure key detected. Vagrant will automatically replace
default: this with a newly generated keypair for better security.
default:
default: Inserting generated public key within guest...
default: Removing insecure key from the guest if it's present...
default: Key inserted! Disconnecting and reconnecting using new SSH key...
==> default: Machine booted and ready!
==> default: Checking for guest additions in VM...
default: The guest additions on this VM do not match the installed version of
default: VirtualBox! In most cases this is fine, but in rare cases it can
default: prevent things such as shared folders from working properly. If you see
default: shared folder errors, please make sure the guest additions within the
default: virtual machine match the version of VirtualBox you have installed on
default: your host and reload your VM.
default:
default: Guest Additions Version: 5.2.42_Ubuntu r137960
default: VirtualBox Version: 6.1
==> default: Using C:/Users/mehan/projects/minikf/minikf-user-data.vdi for persistent storage.
==> default: ** Managing persistent storage **
==> default: Setting hostname...
==> default: Configuring and enabling network interfaces...
==> default: Mounting shared folders...
default: /vagrant => C:/Users/mehan/projects/minikf

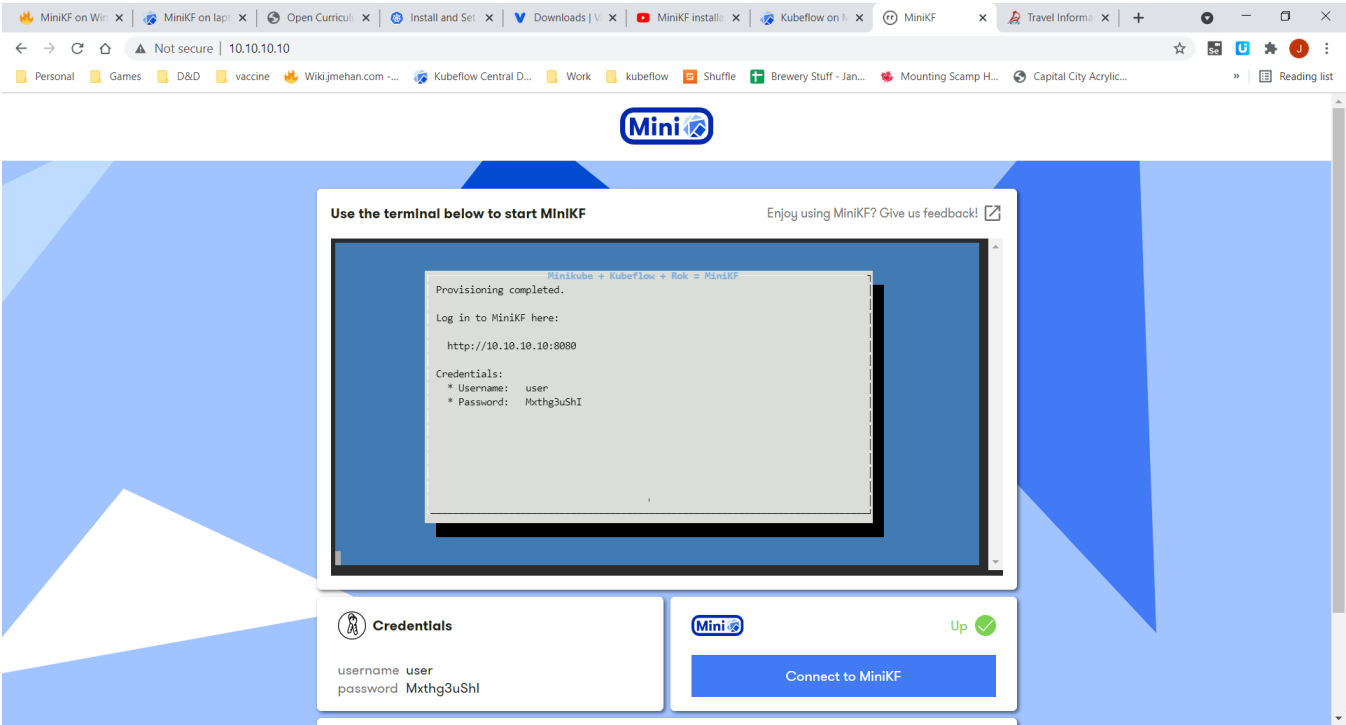
==> default: Machine 'default' has a post `vagrant up` message. This is a message
==> default: from the creator of the Vagrantfile, and not from Vagrant itself:
==> default:
==> default:     Welcome to MiniKF!
==> default:     Visit http://10.10.10.10/ to get started.
==> default:

```

Navigate to <http://10.10.10.10/>



Hit Enter to start the installation.



Click Connect to MiniKF

References

Reference	URL
MiniKF on laptop/desktop	https://www.kubeflow.org/docs/distributions/minikf/minikf-vagrant/
Installation Video	https://www.youtube.com/watch?v=rVak_NIKF88