SANDPIPER SETUP ON FEDORA

Environment

Host OS: Windows 10

Target OS: Fedora31

Steps

(1) **Install VirtualBox 6.1.8 ("Windows hosts")**

https://www.virtualbox.org/wiki/Downloads

(2) **Install Vagrant 2.2.9 ("Windows 64-bit")**

https://www.vagrantup.com/downloads.html

(3) **Create a new vagrant file for Fedora31**

Open Windows PowerShell Terminal

```
cd $HOME
mkdir Vagrant/Fedora31
cd Vagrant/Fedora31
vagrant init generic/fedora31
vagrant up
```

(4) **Enable SSH** (I already had it setup, so not sure what is required here)

```
Vagrant ssh-config
Vagrant ssh
```

We're now in the virtual machine and have a command prompt

```
[vagrant@fedora31 ~]$
```

(5) **Install Git (Fedora)**

```
$ git version  # if a version shown, skip install
https://git-scm.com/downloads
$ sudo dnf install git
```

(6) **Install Go (Fedora 32 is required for go1.14)**

```
$ sudo dnf install -y golang
$ go version
go version go1.13.10 linux/amd64
export PATH=$PATH:$HOME/go/bin # add this to your $HOME/.bashrc
```

(7) **Install PostgreSQL 12**

```
sudo dnf upgrade -y
sudo reboot

sudo dnf install https://download.postgresql.org/pub/repos/yum/reporpms/F-
31-x86\_64/pgdg-fedora-repo-latest.noarch.rpm
sudo dnf install postgresql12 postgresql12-server
sudo /usr/pgsql-12/bin/postgresql-12-setup initdb

sudo systemctl start postgresql-12
sudo systemctl enable postgresql-12
sudo systemctl status postgresql-12

sudo -u postgres psql -c "alter user postgres with password 'strongpass'"
sudo passwd postgres   # enter the same strong password as above

sudo -u postgres psql -l # should list the databases
sudo egrep '(local|host).\*ident$' /var/lib/pgsql/12/data/pg\_hba.conf

if this displays any rows, you will need to edit this file...

sudo vi /var/lib/pgsql/12/data/pg\_hba.conf # you know "vi", right?
Change "ident" to "md5" in these lines:

local       all          all                              **md5**
host        all          all       127.0.0.1/32           **md5**

sudo systemctl restart postgresql-12
```

(8) **Install Taskfile.dev**

```
cd $HOME
curl -sL https://taskfile.dev/install.sh | sh
```

(9) **Get Sandpiper from GitHub**

```
cd $HOME
git clone https://github.com/sandpiper-framework/sandpiper.git
```

(10) **Compile Sandpiper**

```
cd $HOME/sandpiper
go mod download
task build
```

(11) **Create and Initialize database**

```
task init
mv cmd/cli/api-primary.yaml cmd/api/config.yaml
```

(12) **Follow instructions in Testing Workbook**

(13) **Finally, be sure to close the vagrant VM**

```
$ exit # to log out of linux
C:\> vagrant halt
```