Vagrant

Vagrant Cloud

・vagrantのboxを検索するサイト

・<https://app.vagrantup.com/boxes/search>

グローバルコマンド

|  |  |
| --- | --- |
| vagrant global-status | 全ての仮想マシンの状態を確認。 |
| vagrant box list | boxの一覧を表示 |
| vagrant box add <box-name> | boxの追加 |
| vagrant box remove <box-name> | boxの削除 |
| vagrant destroy <id> | 仮想マシンを削除 |
| vagrant init <box-name> | boxから仮想マシンを生成 |
|  | boxが無い場合は自動で追加する |
|  | Vagrantfileを生成する |

Vagrantfileがあるディレクトリで使うコマンド

|  |  |
| --- | --- |
| vagrant up | 仮想マシンの起動 |
| vagrant halt | 仮想マシンの停止。shutdown |
| vagrant reload | 仮想マシンの再起動。Vagrantfileを再読み込み |
| vagrant suspend | 仮想マシンの一時停止。suspend |
| vagrant resume | 仮想マシンの再開。suspendからの復帰 |
| vagrant status | 仮想マシンの状態を確認 |
| vagrant ssh | 仮想マシンに接続 |

vagrant global-status

PS C:\Users\keite> vagrant global-status

id name provider state directory

-------------------------------------------------------------------------

ce139a4 default virtualbox aborted C:/Vagrant/centos7

ba04f25 default virtualbox poweroff C:/Vagrant/centos6

vagrant box list

PS C:\Users\keite> vagrant box list

bento/centos-6 (virtualbox, 201912.04.0)

centos/7 (virtualbox, 1902.01)

vagrant box add <box-name>

PS C:\Users\keite> vagrant box add centos/7

==> box: Loading metadata for box 'centos/7'

box: URL: https://vagrantcloud.com/centos/7

This box can work with multiple providers! The providers that it

can work with are listed below. Please review the list and choose

the provider you will be working with.

1) hyperv

2) libvirt

3) virtualbox

4) vmware\_desktop

Enter your choice: 3

==> box: Adding box 'centos/7' (v1905.1) for provider: virtualbox

box: Downloading: https://vagrantcloud.com/centos/boxes/7/versions/1905.1/providers/virtualbox.box

box: Download redirected to host: cloud.centos.org

box: Progress: 100% (Rate: 851k/s, Estimated time remaining: --:--:--)

==> box: Successfully added box 'centos/7' (v1905.1) for 'virtualbox'!

vagrant box remove <box-name>

PS C:\Users\keite> vagrant box remove centos/7

Removing box 'centos/7' (v1902.01) with provider 'virtualbox'...

vagrant destroy <id>

PS C:\Users\keite> vagrant destroy ce139a4

default: Are you sure you want to destroy the 'default' VM? [y/N] y

==> default: Destroying VM and associated drives...

vagrant init

PS C:\Vagrant\centos7> vagrant init centos/7

A `Vagrantfile` has been placed in this directory. You are now

ready to `vagrant up` your first virtual environment! Please read

the comments in the Vagrantfile as well as documentation on

`vagrantup.com` for more information on using Vagrant.

vagrant status

PS C:\Vagrant\centos7> vagrant status

Current machine states:

default aborted (virtualbox)

The VM is in an aborted state. This means that it was abruptly

stopped without properly closing the session. Run `vagrant up`

to resume this virtual machine. If any problems persist, you may

have to destroy and restart the virtual machine.

**仮想マシンの作成～接続まで**

①仮想マシン専用のディレクトリを作成し、移動する

　cd C:\Vagrant\centos7

②仮想マシンを生成する

　vagrant init centos/7

③Vagrantfileのprivate ipの行をコメントアウトする

　config.vm.network "private\_network", ip: "192.168.33.10"

④vagrant sshで接続しsshの設定ファイルをパスワード認証で接続できるよう編集

⑤TeraTermで接続する

**private ipが立ち上がらないとき**

①vagrant halt

②vagrant destroy <マシンID>

**③.vagrantディレクトリとVagrantfileを削除**

④vagrant init

⑤Vagrant fileの修正

⑥vagrant up