

Shell script to setup a new VPS

The shell script below can be used to setup a new VPS running Ubuntu. It performs the following actions:

1. Create a new ssh username and password.
2. Disables root login.
3. Disables swap.
4. Installs Docker.
5. Creates a few alias commands for the user.

```
#!/bin/sh

#####

##### EDIT THIS SECTION #####

USERNAME="
PASSWORD="
#####

PASSWD="head /dev/urandom | tr -dc A-Za-z0-9 | head -c 16 ; echo ""
#Uncomment line below to set an auto-generated password. The password will be displayed at the end of this
process.
PASSWORD=$(eval "$PASSWD")

echo "USERNAME: "$USERNAME
echo "PASSWORD: "$PASSWORD

adduser --disabled-password --gecos "" $USERNAME && echo "$USERNAME:$PASSWORD" | chpasswd && echo
"$USERNAME ALL=(ALL) NOPASSWD:ALL" > /etc/sudoers.d/$USERNAME && sed -i 's/PermitRootLogin
yes/PermitRootLogin no/g' /etc/ssh/sshd_config && service sshd restart

swapoff -a
sed -i '/swapfile/d' /etc/fstab

apt update -y && apt upgrade -y && apt install -y vim sudo net-tools apt-transport-https ca-certificates software-
```

```
properties-common docker.io && usermod -aG docker $USERNAME && systemctl start docker && systemctl
enable docker
```

```
cat <<EOT >> /home/$USERNAME/.bashrc
```

```
export HISTSIZE=
```

```
export HISTFILESIZE=
```

```
bind ""\e[A":history-search-backward'
```

```
bind ""\e[B":history-search-forward'
```

```
alias di='docker images'
```

```
alias dc='docker ps -a'
```

```
alias dv='docker volume ls'
```

```
alias dl='docker container logs -f'
```

```
alias up='docker-compose up -d'
```

```
alias dn='docker-compose down'
```

```
alias lg='docker-compose logs -f'
```

```
alias gs='git status'
```

```
alias gp='git pull && gs'
```

```
alias glf='git log -p'
```

```
alias gl='git log --graph --pretty=oneline --abbrev-commit'
```

```
alias gd='git diff'
```

```
alias gcm='git checkout master && gs'
```

```
alias gcd='git checkout develop && gs'
```

```
alias gcp='git checkout production && gs'
```

```
alias gc.='git checkout . && gs'
```

```
alias vb='vim ~/.bashrc'
```

```
alias vh='sudo vim /etc/hosts'
```

```
alias sb='source ~/.bashrc'
```

```
alias f='free -m'
```

```
alias u='uptime'
```

```
alias n='sudo netstat -punta | grep LISTEN'
```

```
alias i='ifconfig'
```

```
alias j='jobs -l'
```

```
alias l='ls -falh'
```

```
alias d='df -h'
```

```
alias k='sudo kill -9'  
alias s='du -sh * | sort -h'  
alias t='ls -t -1'  
alias h='history | grep'  
alias p='ps -ef | grep'  
alias kj='k $(j | awk {print $2})'
```

EOT

```
echo "USERNAME: "$USERNAME  
echo "PASSWORD: "$PASSWORD
```

```
init 6
```

Revision #2

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