

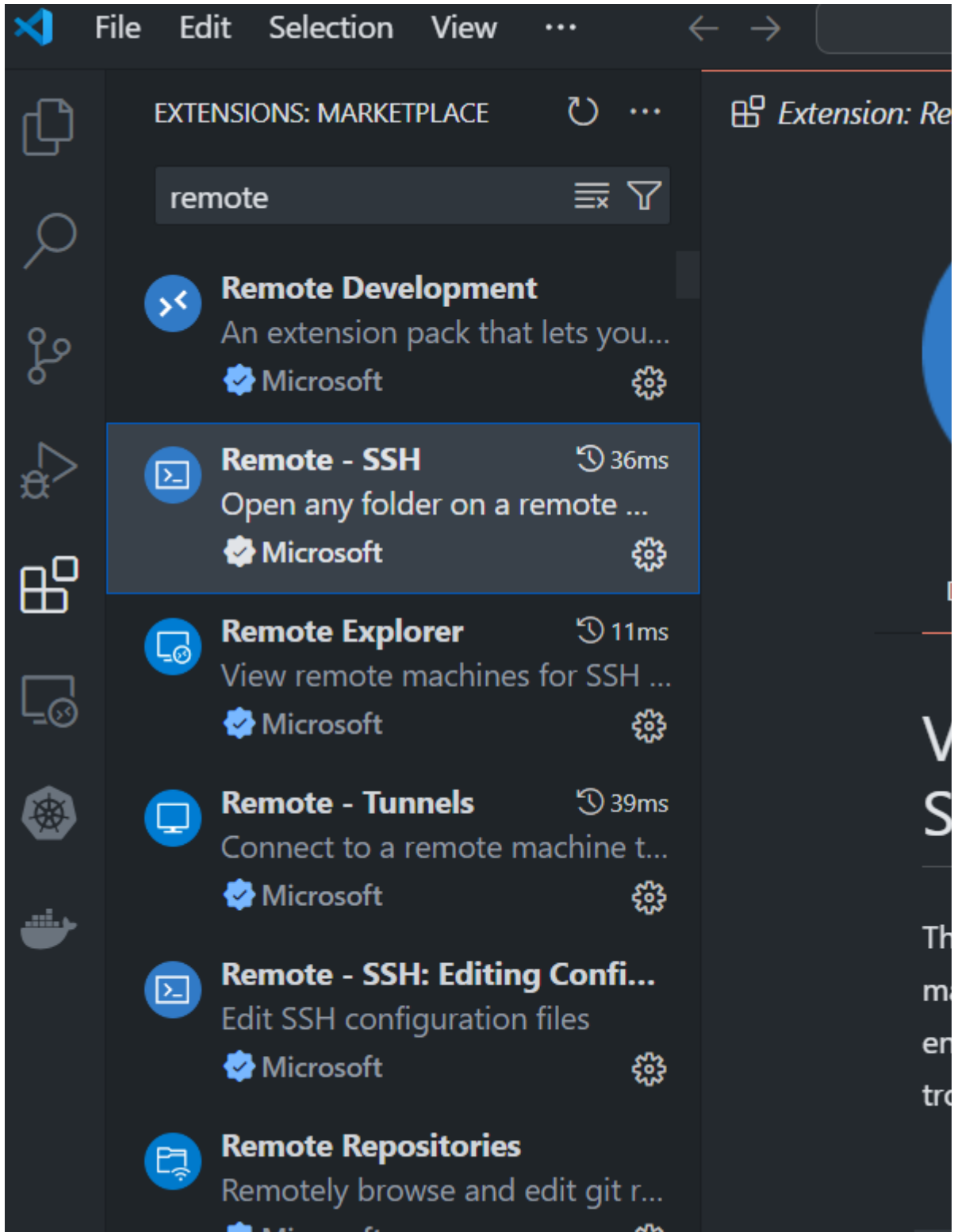
설명 :

VScode 에서 Kubernetes 환경에 접근하는 과정입니다. kubernetes , devcontainer 설치 후 진행합니다.

요약 :

- VScode remote ssh 플러그인 설치
- kubernetes pod 안에 ssh 설치
- portfowarding
- Pod 접속

#### **1) Remote - ssh 플러그인 설치**



VScode에서 확장 플러그인을 설치해줍니다.

2) Kubernetes pod 안에 ssh 를 설치해 줍니다.

```
$> apt-get update && apt-get install -y openssh-server vim
```

```
$> vi /etc/ssh/sshd_config
```

```
# possible, but leave them commented. Uncommented
# default value.

Include /etc/ssh/sshd_config.d/*.conf

#Port 22
#AddressFamily any
ListenAddress 0.0.0.0
#ListenAddress ::

#HostKey /etc/ssh/ssh_host_rsa_key
#HostKey /etc/ssh/ssh_host_ecdsa_key

# Authentication:

#LoginGraceTime 2m
PermitRootLogin yes
#StrictModes yes
#
#AuthorizedKeysCommand none
#AuthorizedKeysCommandUser nobody

# For this to work you will also need host keys i
#HostbasedAuthentication no
# Change to yes if you don't trust ~/.ssh/known_h
# HostbasedAuthentication
#IgnoreUserKnownHosts no
# Don't read the user's ~/.rhosts and ~/.shosts f
#IgnoreRhosts yes

# To disable tunneled clear text passwords, chang
PasswordAuthentication yes
#PermitEmptyPasswords no
```

1. Sshd\_config 파일을 열어 해당값을 수정합니다.

```
$> service ssh restart
```

### 3) 파드의 ssh 포트 포워딩

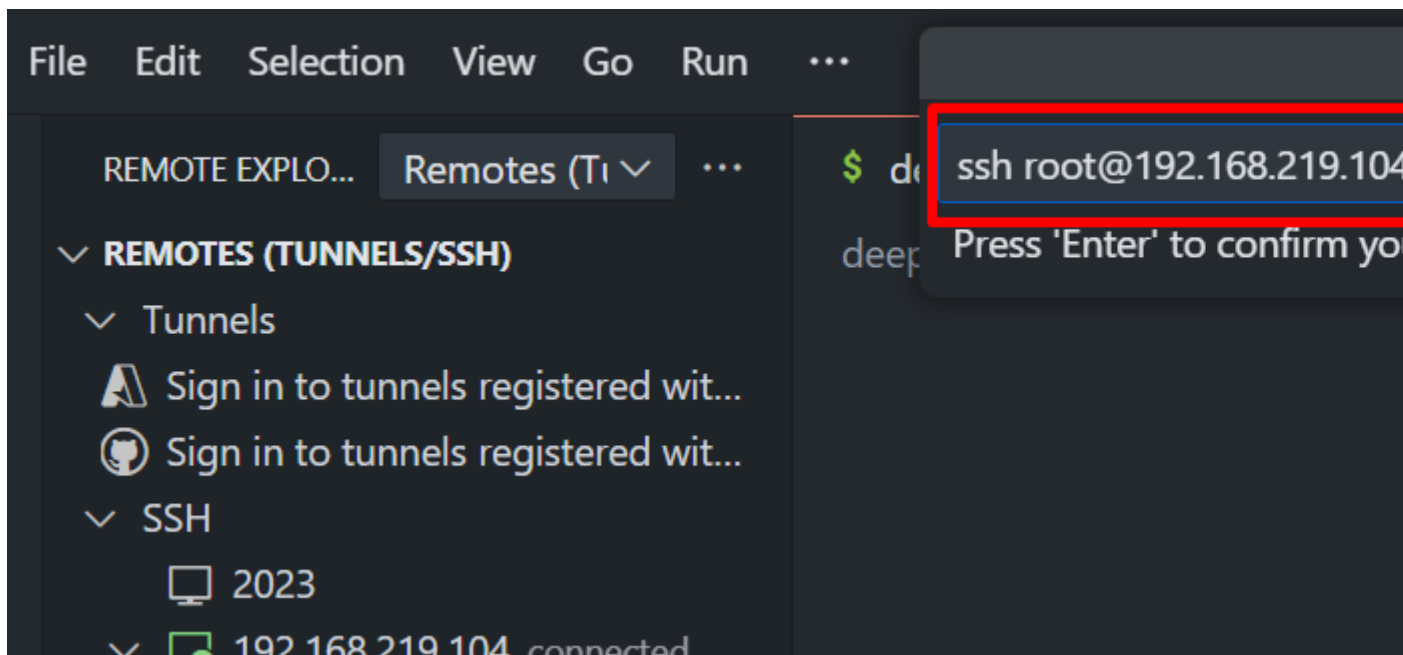
1. 파드에서 실행 중인 특정 애플리케이션에 접근이 필요하므로 포트포워딩을 설정합니다.

```
$> kubectl port-forward --address 0.0.0.0 pod/nginx-test-pod 30081:22 -n default
```

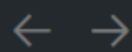
```
^Croot@gpu01:~# kubectl port-forward --address 0.0.0.0 pod/nginx-test-pod 30081:22 -n default
Forwarding from 0.0.0.0:30081 -> 22
Handling connection for 30081
Handling connection for 30081
Handling connection for 30081
```

### 4) VScode 에서 파드 접속 확인

VScode에서 파드 접속합니다.



File Edit Selection View Go Run ...



EXPLORER



✓ OPEN EDITORS

✕ \$ deploy\_kubeflow.sh ~/deepop...

✓ ROOT [SSH: 192.168.219.104]

- > .cache
- > .dotnet
- > .local
- > .minikube
- > .redhat
- > .ssh
- > .vscode-server
- ≡ .bash\_history
- \$ .bashrc
- \$ .profile
- ≡ .viminfo

\$ deploy\_kubeflow.sh ✕

deepops > scripts > k8s > \$ de

PROBLEMS

OUTPUT

DEBUG C

root@nginx-test-pod:~#

파드에 접속을 확인 합니다.