

Systems Programming Lab #0

2019-03-05

sp-tas

Lab Information

- TA
 - 김화정 / 302동 319호 (공용연구실)
 - 최윤서 / 302동 311-2호
 - Mail to: sp-tas@dcslab.snu.ac.kr
- Lecture
 - Class 1 화요일 18:30 ~ 19:20
 - Class 2 화요일 19:30 ~ 20:30
 - 302동 311-1호
- Questions
 - **Class eTL → Q&A**
 - 내가 궁금한 건 남들도 궁금하다
 - eTL 개인정보 (핸드폰/이메일) 정확하게 입력해주세요

Lab Session

- Lectures related to the assignments are given
- Q&A session about programming assignments

- 6 – 7 programming assignments
 - Will be announced in eTL
 - about 2weeks/1assignment

- Delay policy

	+1day	+2day	+3day	+4day	+5day	이후
Max. Score	-10%	-20%	-30%	-40%	-50%	0점

- Code copy policy
 - Provider / Copier: 모두 0점 처리 (eTL check + manual check)

실습 환경

- 도메인
 - Class 1: sp1.snucse.org (IP: 147.46.78.123)
 - Class 2: sp2.snucse.org (IP: 147.46.78.126)
- Port: 22 (Secure Shell)
- 계정: 개인별 발급
 - Announce in eTL
 - Class 1: stu1xx / Class 2: stu2xx
 - Initial passwd: id 와 동일 (stu1xx or stu2xx)

실습 머신 접속 방법 (Linux 사용자)

- Linux/macOS 사용자 → 터미널에서 다음과 같이 접속

```
# ssh username@domain
```

- (예제) 계정이 ta 인 경우,

```
# ssh ta@sp1.snucse.org
```

③ 계정 password 입력

① host 입력

② 인증키 저장 (최초 1회)

→ yes

```
osta@osta-VirtualBox:~$ ssh ta@sp1.snucse.org
The authenticity of host 'sp1.snucse.org (147.46.78.123)' can't be established.
ECDSA key fingerprint is
Are you sure you want to continue connecting (yes/no)? yes
Warning: Permanently added 'sp1.snucse.org,147.46.78.123' (ECDSA)
ta@sp1.snucse.org's password:
Welcome to Ubuntu 18.04.2 LTS (GNU/Linux 4.15.0-45-generic x86_64)

 * Documentation:  https://help.ubuntu.com
 * Management:    https://landscape.canonical.com
 * Support:       https://ubuntu.com/advantage

System information as of Mon Mar  4 14:16:56 KST 2019

System load:  0.0               Processes:    96
Usage of /:   40.5% of 9.78GB    Users logged in: 0
Memory usage: 5%               IP address for eth0: 147.46.78.123
Swap usage:  0%

 * Ubuntu's Kubernetes 1.14 distributions can bypass Docker and use containerd
   directly, see https://bit.ly/ubuntu-containerd or try it now with

   snap install microk8s --channel=1.14/beta --classic

 * Canonical Livepatch is available for installation.
   - Reduce system reboots and improve kernel security. Activate at:
     https://ubuntu.com/livepatch

1 package can be updated.
0 updates are security updates.

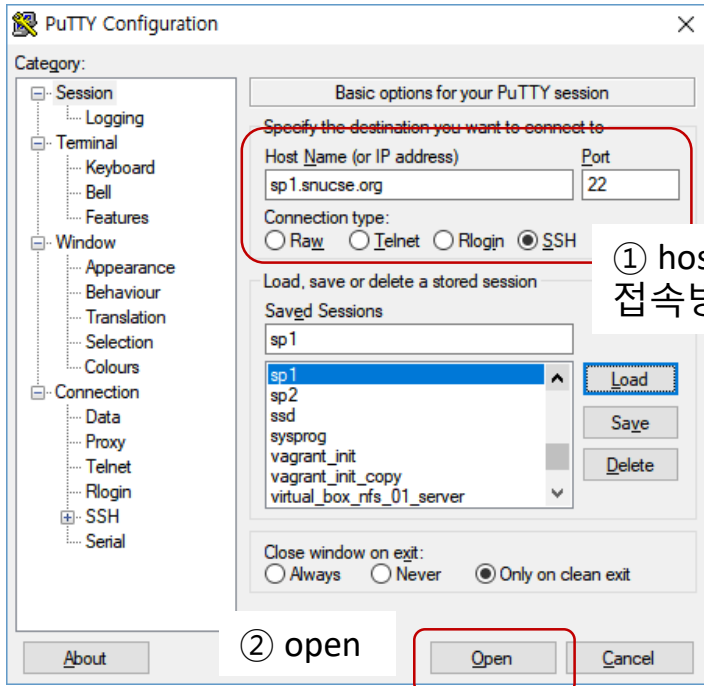
Last login: Thu Feb 28 19:20:12 2019 from 175.223.35.254
ta@sp1:~$
```

④ 접속 완료

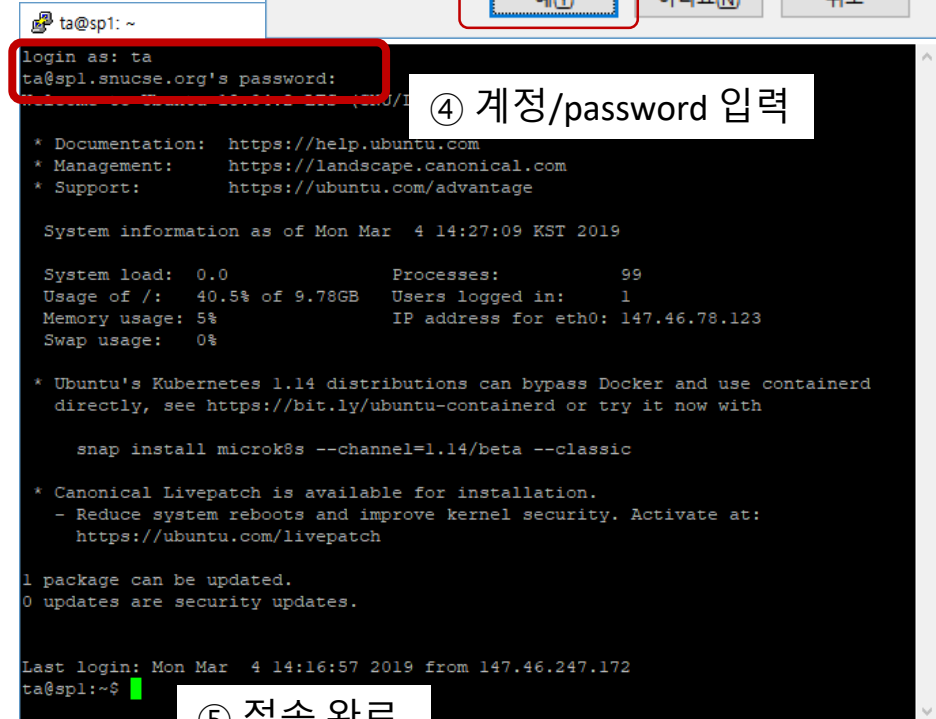
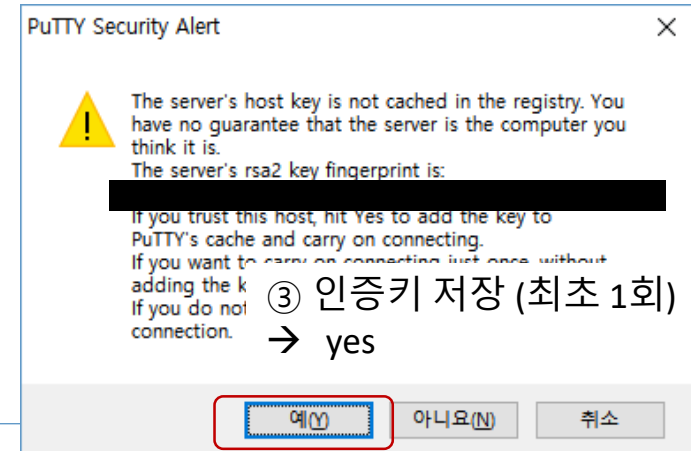
실습 머신 접속 방법 (Windows 사용자)

- Windows 사용자 → ssh 클라이언트 프로그램 사용
 - ssh 클라이언트: putty, xshell, secureCRT 등등
 - 구글/네이버 등에서 검색하여 원하는 프로그램 설치

- (예제) putty 를 사용하여 접속



① host/port 입력
접속방법: SSH



Secure Copy (scp)

- Secure Copy : 서버 간 파일 전송
- Linux/MacOS 사용자
 - 터미널에서 다음과 같이 scp 명령어 입력
scp sourceFileName username@host:/some/remote/directory
 - (예제) /home/sys/a.c 파일을 실습 머신 /home/sysprog/submit/lab0 디렉토리로 copy
scp /home/sys/a.c ta@sp1.snucse.org:/home/sysprog/submit/lab0
- Windows 사용자
 - WinSCP 등 scp 클라이언트 사용하여 전송
- SCP 명령어 참고 사이트
 - http://www.hypexr.org/linux_scp_help.php