

LAB 02

It23464032

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Start

[illegible]

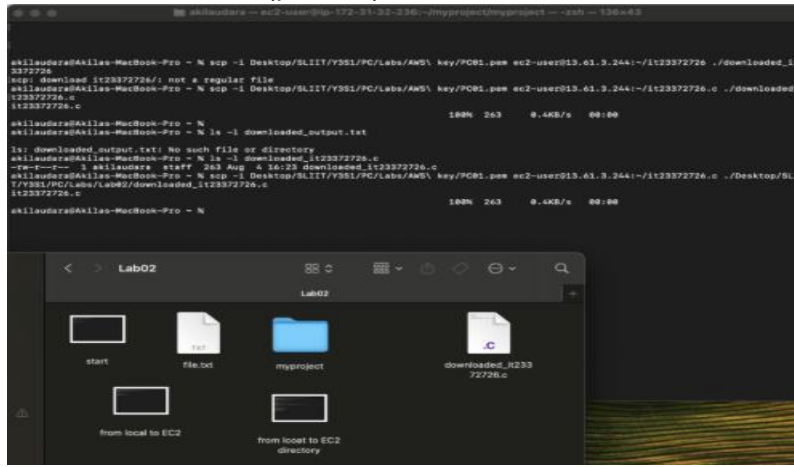
From local to EC2 (part 02)

[illegible]

From local to EC2 directory (part 02)

[illegible]

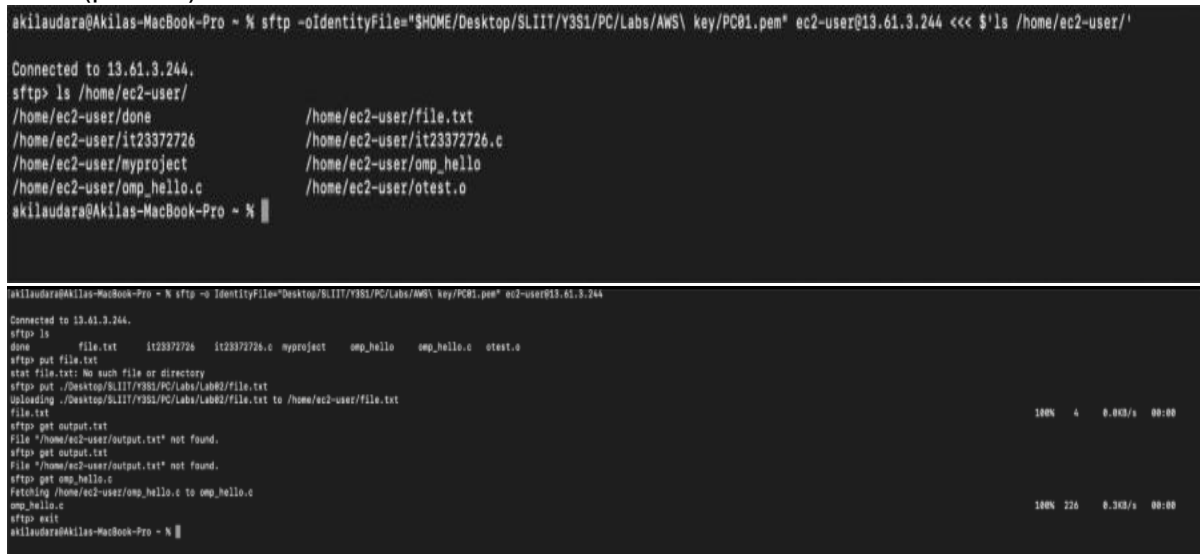
From EC2 to Local (part 02)



From EC2 to Local directory (part 02)



SFTP (part 03)



Checking Remote Directories without SS Hinge (part 04)

```
akilaudara@Akilas-MacBook-Pro ~ % ssh -i "Desktop/SLIIT/Y3S1/PC/Labs/AWS key/PC01.pem" ec2-user@13.61.3.244 "ls -lh /home/ec2-user/"
total 52K
drwxr-xr-x. 3 ec2-user ec2-user 24 Jul 30 08:04 done
-rw-r--r--. 1 ec2-user ec2-user 4 Aug 4 11:04 file.txt
drwxr-xr-x. 3 ec2-user ec2-user 43 Jul 30 14:44 it23372726
-rw-r--r--. 1 ec2-user ec2-user 263 Jul 29 04:02 it23372726.c
drwxr-xr-x. 3 ec2-user ec2-user 23 Aug 4 10:48 myproject
-rwxr-xr-x. 1 ec2-user ec2-user 17K Jul 28 16:52 omp_hello
-rw-r--r--. 1 ec2-user ec2-user 226 Jul 28 16:52 omp_hello.c
-rwxr-xr-x. 1 ec2-user ec2-user 17K Jul 29 04:02 otest.o
akilaudara@Akilas-MacBook-Pro ~ %
```

Part05

```
akilaudara@Akilas-MacBook-Pro ~ % rsync -avz -e "ssh" -i "/Users/akilaudara/Desktop/SLIIT/Y3S1/PC/Labs/AWS key/PC01.pem" ./Desktop/SLIIT/Y3S1/PC/Labs/Lab02/myproject ec2-user@13.61.3.244:~/myproject/

Transfer starting: 3 files
myproject/
myproject/.DS_Store
myproject/test.txt

sent 404 bytes received 76 bytes 1010 bytes/sec
total size is 4152 speedup is 10.79
akilaudara@Akilas-MacBook-Pro ~ %
```

Part06

[illegible]

Part07

```
[ec2-user@ip-172-31-32-236 ~]$ sudo yum install make -y
Last metadata expiration check: 1:28:08 ago on Mon Aug 4 10:04:07 2025.
Package make-1:4.3-5.amzn2023.0.2.x86_64 is already installed.
Dependencies resolved.
Nothing to do.
Complete!
[ec2-user@ip-172-31-32-236 ~]$ nano main.c
[ec2-user@ip-172-31-32-236 ~]$ nano utils.c
[ec2-user@ip-172-31-32-236 ~]$ nano Makefile
[ec2-user@ip-172-31-32-236 ~]$ make
gcc -Wall -c main.c
gcc -Wall -c utils.c
gcc -Wall -o myapp main.o utils.o
[ec2-user@ip-172-31-32-236 ~]$ ./myapp
Hello from main
Hello from utils
[ec2-user@ip-172-31-32-236 ~]$ make clean
rm -f *.o myapp
[ec2-user@ip-172-31-32-236 ~]$ make -j4
gcc -Wall -c main.c
gcc -Wall -c utils.c
gcc -Wall -o myapp main.o utils.o
[ec2-user@ip-172-31-32-236 ~]$
```

Main.c in makefile

```
#include <stdio.h>
void util_function();

int main() {
    printf("Hello from main\n");
    util_function();
    return 0;
}
```

Utils.c

```
#include <stdio.h>

void util_function() {
    printf("Hello from utils\n");
}
```