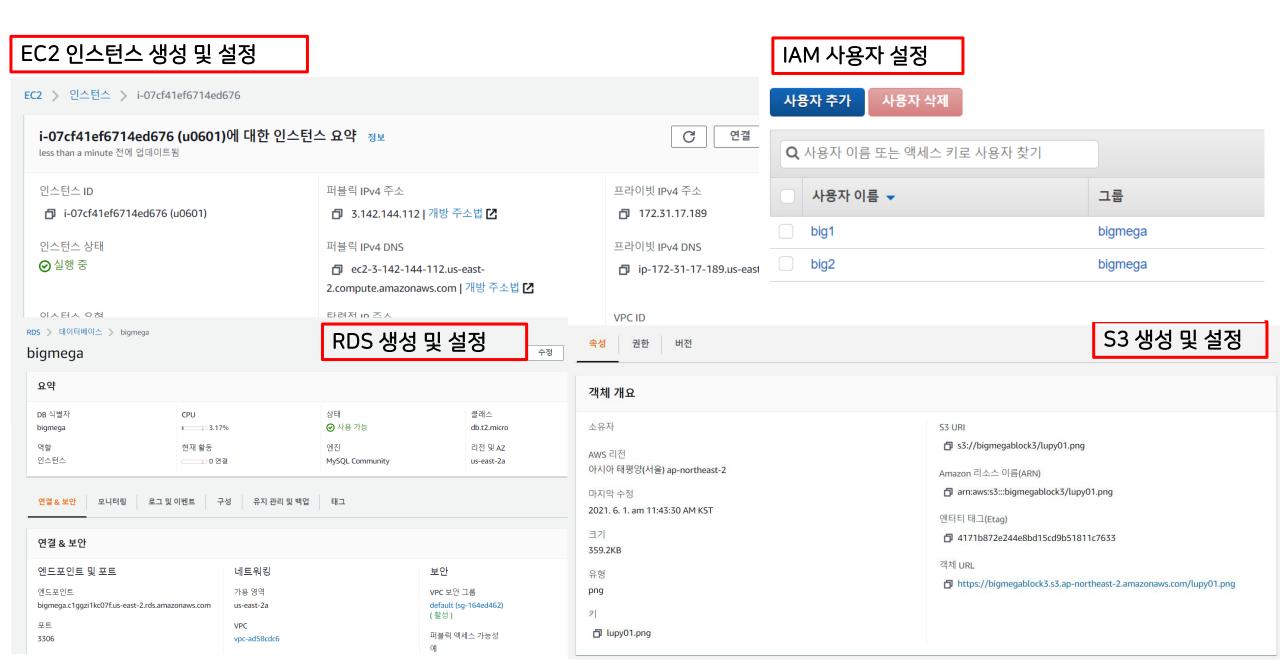
AWS 가상환경 배포 - EC2, RDS, S3, AWS IAM 설정

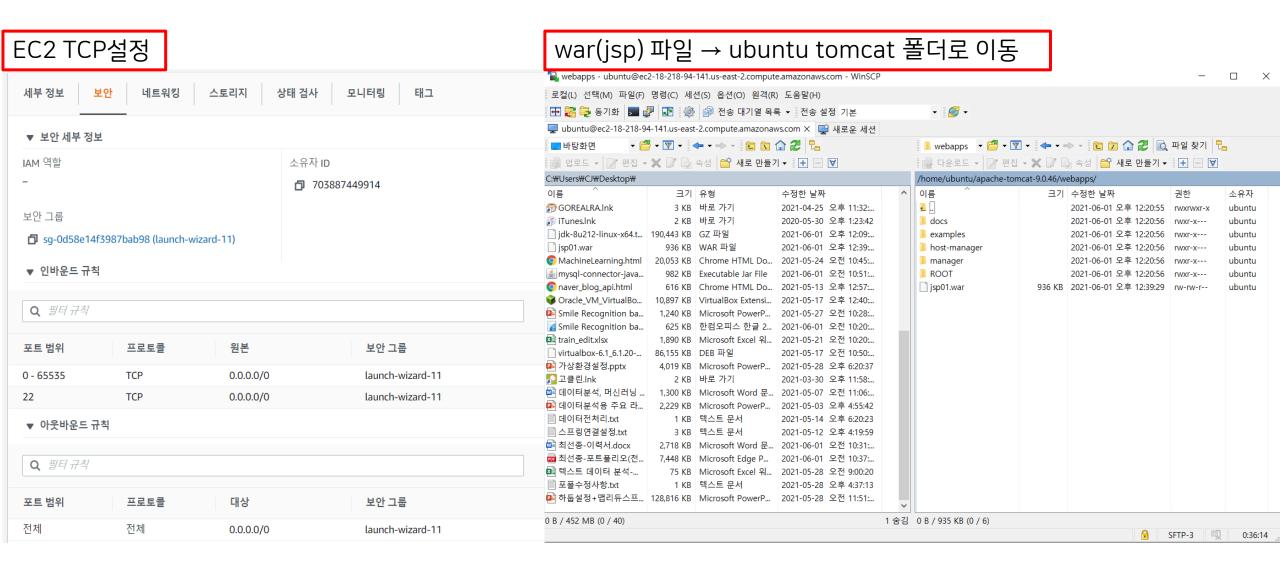


AWS 가상환경 배포 - JDK1.8, Tomcat9 다운로드 및 설정

CMD에서 EC2 jdk 1.8 다운로드 및 설정

```
buntu@ip-172-31-17-189:~$ https://github.com/frekele/oracle-java/releases/download/8u212-b10/idk-8u2
-bash: https://github.com/frekele/oracle-java/releases/download/8u212-b10/jdk-8u212-linux-x64.tar.gz
 tar (child): jdk-8u212-linux-x64.tar.gz: Cannot open: No such file or directory
tar (child): Error is not recoverable: exiting now
tar: Child returned status 2
tar: Error is not recoverable: exiting now
 buntu@ip-172-31-17-189:~$ https://github.com/frekele/oracle-java/releases/download/8u212-b10/jdk-8u2
                                                                                                           EC2 Tomcat9 다운로드 및 설정
-bash: https://github.com/frekele/oracle-java/releases/download/8u212-b10/jdk-8u212-linux-x64.tar.gz
 لمحملاء با 212 مارية buntu@ip-172-31-17-189:~$ sudo mv jdk1.8-0
mv: cannot stat 'jdk1.8.0_212': No such fubuntu@ip-172-31-17-189:~$ sudo mv jdk1.8.0_212 /usr/local
lbuntu@ip-172-31-17-189:~$ https://githububuntu@ip-172-31-17-189:~$ sudo vi /etc/environment
-bash: https://github.com/frekele/oracle-ubuntu@ip-172-31-17-189:~$ source /etc/environment
 buntu@ip-172-31-17-189:~$ wget https://gubuntu@ip-172-31-17-189:~$ history
                                           1 https://github.com/frekele/oracle-java/releases/download/8u212-b10/jdk-8u212-linux-x64.tar.gz
 -2021-06-01 03:15:46-- https://github.c
                                           2 tar -xvzf jdk-8u212-linux-x64.tar.gz
Resolving github.com (github.com)... 140.
                                           3 https://github.com/frekele/oracle-java/releases/download/8u212-b10/jdk-8u212-linux-x64.tar.gz
Connecting to github.com (github.com)|140
                                              sudo mv jdk1.8.0_212 /usr/local
HTTP request sent, awaiting response... 3
                                              https://github.com/frekele/oracle-java/releases/download/8u212-b10/jdk-8u212-linux-x64.tar.gz
Location: https://github-releases.githubu
ential=AKIAIWNJYAX4CSVEH53A%2F20210601%2F
                                              wget https://github.com/frekele/oracle-java/releases/download/8u212-b10/jdk-8u212-linux-x64.tar.gz
 .5a3d30cf325f29fbbd3d87cec279035910490865
                                              tar -xvzf jdk-8u212-linux-x64.tar.gz
                                              sudo mv jdk1.8.0_212 /usr/local
tachment%3B%20filename%3Didk-8u212-linux-
 -2021-06-01 03:15:46-- https://github-r
                                              sudo vi /etc/environment
                                          10 source /etc/environment
A256&X-Amz-Credential=AKIAIWNJYAX4CSVEH53
 =9a2995dce294645a3d30cf325f29fbbd3d87cec
                                          11 history
-disposition=attachment%3B%20filename%3Djubuntu@ip-172-31-17-189:~$ wget https://mirror.navercorp.com/apache/tomcat/tomcat-9/v9.0.46/bin/apache-tomcat-9
Resolving github-releases.githubuserconte--2021-06-01 03:20:23-- https://mirror.navercorp.com/apache/tomcat/tomcat-9/v9.0.46/bin/apache-tomcat-9.0.46.ta
Connecting to github-releases.githubusercResolving mirror.navercorp.com (mirror.navercorp.com)... 125.209.216.167
HTTP request sent, awaiting response... 2Connecting to mirror.navercorp.com (mirror.navercorp.com)|125.209.216.167|:443... connected
Length: 195013152 (186M) [application/octHTTP request sent, awaiting response... 200 OK
Saving to: 'jdk-8u212-linux-x64.tar.gz' Length: 11496577 (11M) [application/octet-stream]
                                   Saving to: 'apache-tomcat-9.0.46.tar.gz'
jdk-8u212-linux-x64.tar.gz
                                       apache-tomcat-9.0.46.tar.gz
                                        2021-06-01 03:20:30 (1.80 MB/s) - 'apache-tomcat-9.0.46.tar.gz' saved [11496577/11496577]
                                        .buntu@ip-172-31-17-189:~$ tar xvfz apache-tomcat-9.0.46.tar.gz
```

AWS 가상환경 배포 - EC2, RDS, S3, AWS IAM 설정



AWS 가상환경 배포 - EC2, RDS, S3, AWS IAM 설정

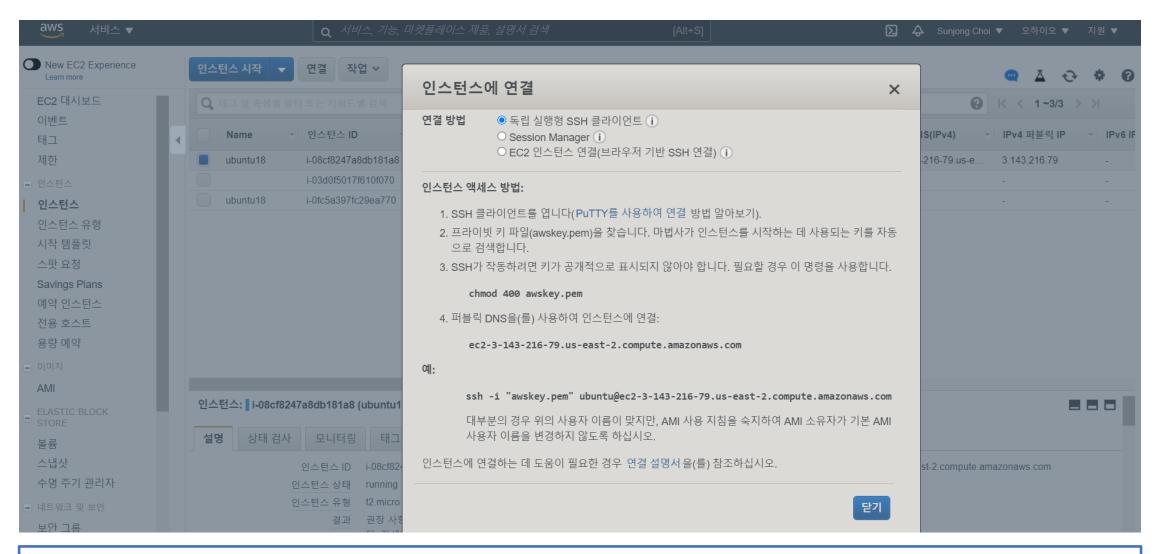
jsp 코드, 클라우드 접속 시 해당 값 DB에 저장

```
1 <%@page import="java.sql.rreparedstatement"%>
  2 <%@page import="javax.swing.JOptionPane"%>
  3 3 <@page import="java.sql.Connection"%>
   4 <%@page import="java.io.PrintWriter"%>
   5 5 <@page import="java.sql.DriverManager"%>
   6 6 6 charge language="java" contentType="text/html; charset=UTF-8"
                      pageEncoding="UTF-8"%>
   8 <h1>클라우드 RDS/S3연결</h1>
  9 <hr color="red">
 100 <%
11 Class.forName("com.mysql.jdbc.Driver");
12 %>
130 <%
14 //2. db연결(url, id, pw)
15 String url = "jdbc:mysql://bigmega2.ctopcgnnit1e.us-east-2.rds.amazonaws.com:3306/bigmega2.ctopcgnnit1e.us-east-2.rds.amazonaws.com:3306/bigmega2.ctopcgnnit1e.us-east-2.rds.amazonaws.com:3306/bigmega2.ctopcgnnit1e.us-east-2.rds.amazonaws.com:3306/bigmega2.ctopcgnnit1e.us-east-2.rds.amazonaws.com:3306/bigmega2.ctopcgnnit1e.us-east-2.rds.amazonaws.com:3306/bigmega2.ctopcgnnit1e.us-east-2.rds.amazonaws.com:3306/bigmega2.ctopcgnnit1e.us-east-2.rds.amazonaws.com:3306/bigmega2.ctopcgnnit1e.us-east-2.rds.amazonaws.com:3306/bigmega2.ctopcgnnit1e.us-east-2.rds.amazonaws.com:3306/bigmega2.ctopcgnnit1e.us-east-2.rds.amazonaws.com:3306/bigmega2.ctopcgnnit1e.us-east-2.rds.amazonaws.com:3306/bigmega2.ctopcgnnit1e.us-east-2.rds.amazonaws.com:3306/bigmega2.ctopcgnnit1e.us-east-2.rds.amazonaws.com:3306/bigmega2.ctopcgnnit1e.us-east-2.rds.amazonaws.com:3306/bigmega2.ctopcgnnit1e.us-east-2.rds.amazonaws.com:3306/bigmega2.ctopcgnnit1e.us-east-2.rds.amazonaws.com:3306/bigmega2.ctopcgnnit1e.us-east-2.rds.amazonaws.com:3306/bigmega2.ctopcgnnit1e.us-east-2.rds.amazonaws.com:3306/bigmega2.ctopcgnnit1e.us-east-2.rds.amazonaws.com:3306/bigmega2.ctopcgnnit1e.us-east-2.rds.amazonaws.com:3306/bigmega2.ctopcgnnit1e.us-east-2.rds.amazonaws.com:3306/bigmega2.ctopcgnnit1e.us-east-2.rds.amazonaws.com:3306/bigmega2.ctopcgnnit1e.us-east-2.rds.amazonaws.com:3306/bigmega2.ctopcgnnit1e.us-east-2.rds.amazonaws.com:3306/bigmega2.ctopcgnnit1e.us-east-2.rds.amazonaws.com:3306/bigmega2.ctopcgnnit1e.us-east-2.rds.amazonaws.com:3306/bigmega2.ctopcgnnit1e.us-east-2.rds.amazonaws.com:3306/bigmega2.ctopcgnnit1e.us-east-2.rds.amazonaws.com:3306/bigmega2.ctopcgnnit1e.us-east-2.rds.amazonaws.com:3306/bigmega2.ctopcgnnit1e.us-east-2.rds.amazonaws.com:3306/bigmega2.ctopcgnnit1e.us-east-2.rds.amazonaws.com:3306/bigmega2.ctopcgnnit1e.us-east-2.rds.amazonaws.com:3306/bigmega2.ctopcgnnit1e.us-east-2.rds.amazonaws.com:3306/bigmega2.ctopcgnnit1e.us-east-2.rds.amazonaws.com:3306/bigmega2.ctopcgnnit1e.us-2.rds.amazonaws.com:3306/bigmega2.ctopcgnnit1e.us-2.rds.amazonaws.
16 String user = "root";
17 String password = "bigmega709";
18 Connection con = DriverManager.getConnection(url. user. password):
19 String sql = "insert into member values ('kim1111', 'kim1111', 'kim1111', 'kim1111')"
20 PreparedStatement ps = con.prepareStatement(sql);
21 out.print("3. sql문 생성 성공<br>");
22
23
                   ps.executeUpdate(); //성공했으면 1, 실패했으면 0
26 cimg src="https://bigmegablock.s3.us-east-2.amazonaws.com/domain.png">
```

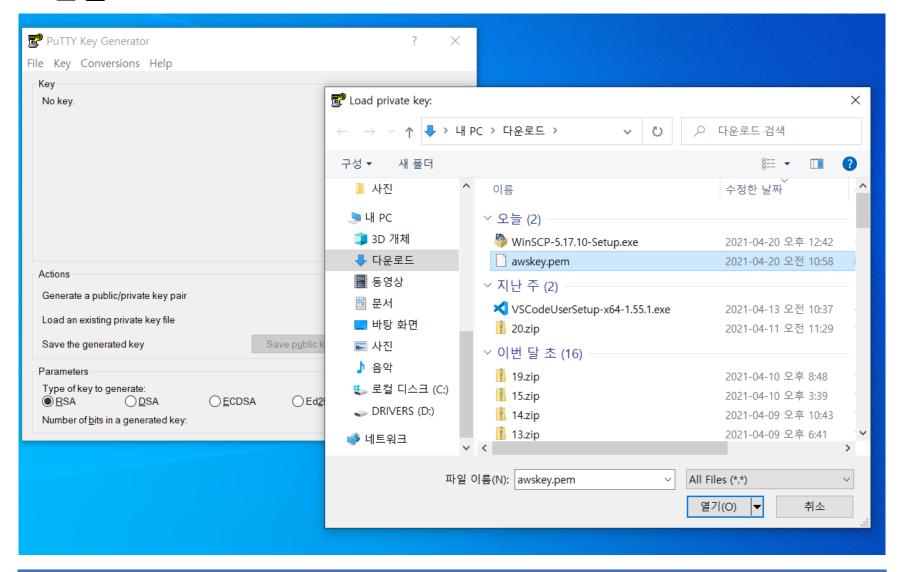
클라우드 연결화면 **클라우드 RDS/S3연결**

3. sql문 생성 성공 파이썬/자바 -스프링 코딩력 -장고 -데이터분석 도메인 지식 -클라우드 SQL -MSA -서브쿼리 -API, 협업툴 -조인,ERD -리눅스, 서버/클라이언트

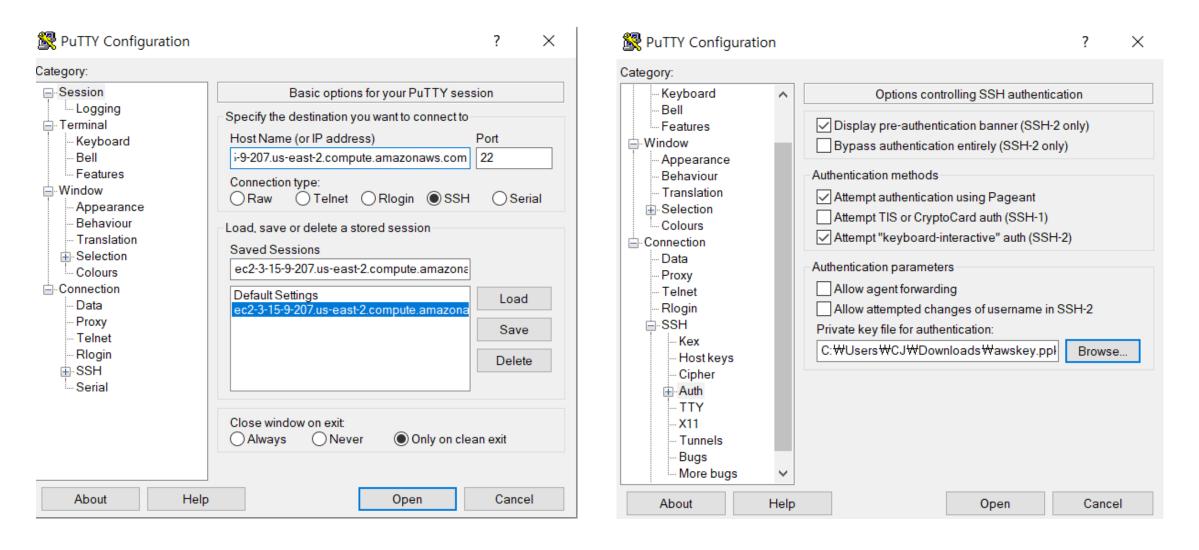
Oracle DB, member 테이블에 입력 값 저장 확인



AWS.com, EC2 내 인스턴스 생성 및 .pem 파일 다운로드 후 연결

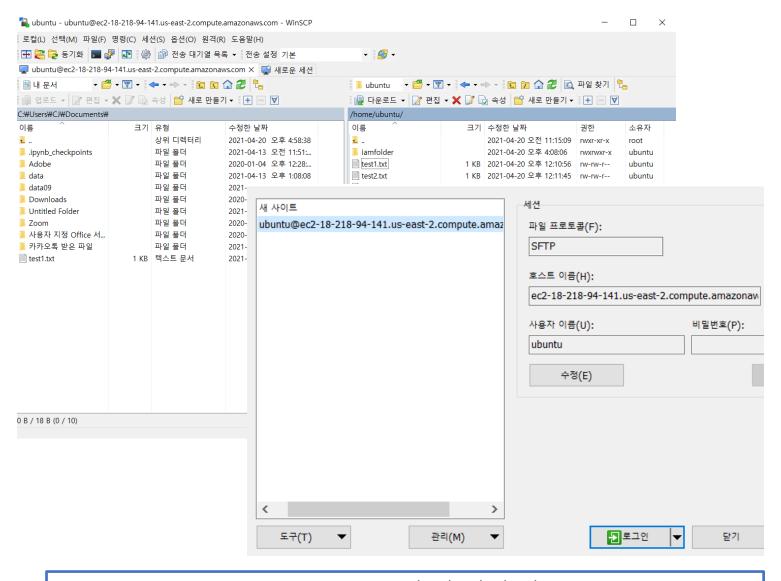


Putty Generator에서 pem 파일 로드하여 private key 생성



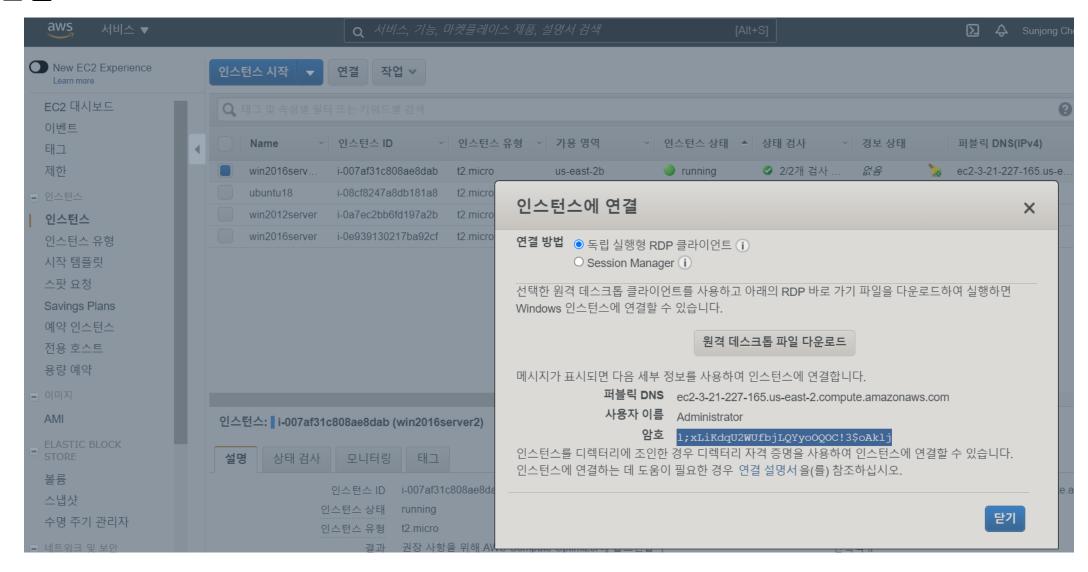
Putty Auth에서 ppk 파일 로드 -> Session에서 aws의 public DNS 주소 복사하여 연결

```
login as: ubuntu
  Authenticating with public key "imported-openssh-key"
Welcome to Ubuntu 18.04.5 LTS (GNU/Linux 5.4.0-1038-aws x86 64)
 * Documentation: https://help.ubuntu.com
                 https://landscape.canonical.com
  Management:
                 https://ubuntu.com/advantage
  Support:
 System information as of Tue Apr 20 06:36:06 UTC 2021
 System load: 0.28
                                Processes:
 Usage of /: 15.9% of 7.69GB Users logged in:
                                IP address for eth0: 172.31.38.134
 Memory usage: 20%
 Swap usage: 0%
 packages can be updated.
 of these updates are security updates.
New release '20.04.2 LTS' available.
Run 'do-release-upgrade' to upgrade to it.
Last login: Tue Apr 20 06:35:20 2021 from 49.170.108.110
To run a command as administrator (user "root"), use "sudo <command>".
See "man sudo root" for details.
ubuntu@ip-172-31-38-134:~$
```



Putty 연결 완료

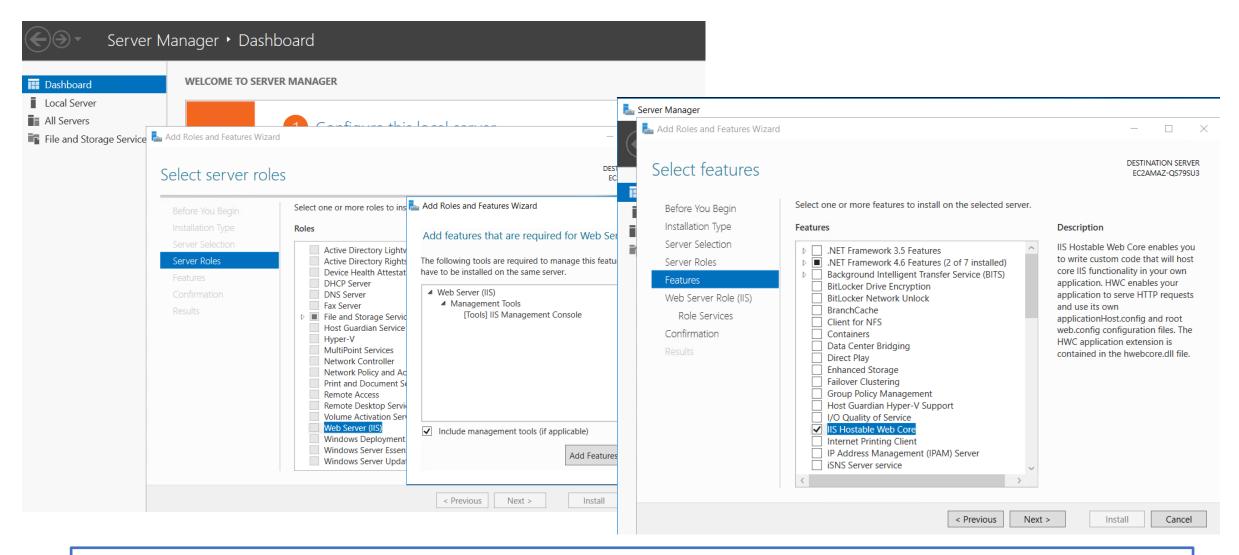
WinSCP 로그인 및 연결 완료



AWS.com, EC2내 인스턴스 생성 및 .pem 파일 다운로드 후 RDP 연결



인바운드 규칙의 유형 모든 TCP, 소스 위치무관으로 변경하여 외부에서 접근할 수 있도록 설정



연결 후 IIS 설정 해주기 위해 서버 메니저에서 기능 추가

