

TASK:1

Simple Web Application Hosting :

- Create instance in Aws console
- Login to terminal via putty or any console – install Middleware
- Hit the server ip address in browse and view the web page

The image displays two screenshots of the AWS Management Console interface, specifically the EC2 instance details page for instance `i-0259a87da1d695ad0` in the `eu-north-1` region.

Top Screenshot: Instance Summary

The top screenshot shows the "Instance summary for i-0259a87da1d695ad0" page. The instance is in the **Running** state. Key details include:

- Instance ID:** i-0259a87da1d695ad0
- Public IPv4 address:** 16.171.176.186 (with a link to "open address")
- Private IPv4 address:** 172.31.40.159
- Public IPv4 DNS:** ec2-16-171-176-186.eu-north-1.compute.amazonaws.com (with a link to "open address")
- Instance state:** Running
- Private IP DNS name (IPv4 only):** ip-172-31-40-159.eu-north-1.compute.internal
- Instance type:** t3.micro
- VPC ID:** vpc-0bf9d46f6e1a5e327
- Subnet ID:** subnet-0d1da7db584468716
- Auto-assigned IP address:** 16.171.176.186 [Public IP]
- IAM Role:** -
- IMDSv2:** Required

Bottom Screenshot: Connect to instance

The bottom screenshot shows the "Connect to instance" page for the same instance. It provides options to connect to the instance using different methods:

- EC2 Instance Connect:** This is the selected option. It includes a note: "Note: In most cases, the default user name, ubuntu, is correct. However, read your AMI usage instructions to check if the AMI owner has changed the default AMI user name." The "User name" field is set to `ubuntu`.
- Session Manager:** Not selected.
- SSH client:** Not selected.
- EC2 serial console:** Not selected.

The "Connect" button is highlighted in orange.

aws

Services Search [Alt+S]

Enabling module authz_core.
Enabling module authz_host.
Enabling module authn_core.
Enabling module authn_basic.
Enabling module access_compat.
Enabling module authn_file.
Enabling module authz_user.
Enabling module alias.
Enabling module dir.
Enabling module autoindex.
Enabling module env.
Enabling module mime.
Enabling module negotiation.
Enabling module setenvif.
Enabling module filter.
Enabling module deflate.
Enabling module status.
Enabling module regtimeout.
Enabling conf charset.
Enabling conf localized-error-pages.
Enabling conf other-headers-access-log.
Enabling conf security.
Enabling conf serve-cgi-bin.
Enabling site 000-default.
Created symlink /etc/systemd/system/multi-user.target.wants/apache2.service → /lib/systemd/system/apache2.service.
Created symlink /etc/systemd/system/multi-user.target.wants/apache-htcacheclean.service → /lib/systemd/system/apache-htcacheclean.service.

i-0259a87da1d695ad0

PublicIPs: 16.171.176.186 PrivateIPs: 172.31.40.159

CloudShell Feedback

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Instance details | EC2 | eu-north-1 | Apache2 Ubuntu Default Page | EC2 Instance Connect | eu-north-1

Not secure | 16.171.176.186

Apache2 Default Page

Ubuntu

It works!

This is the default welcome page used to test the correct operation of the Apache2 server after installation on Ubuntu systems. It is based on the equivalent page on Debian, from which the Ubuntu Apache packaging is derived. If you can read this page, it means that the Apache HTTP server installed at this site is working properly. You should **replace this file** (located at `/var/www/html/index.html`) before continuing to operate your HTTP server.

If you are a normal user of this web site and don't know what this page is about, this probably means that the site is currently unavailable due to maintenance. If the problem persists, please contact the site's administrator.

Configuration Overview

Ubuntu's Apache2 default configuration is different from the upstream default configuration, and split into several files optimized for interaction with Ubuntu tools. The configuration system is **fully documented in `/usr/share/doc/apache2/README.Debian.gz`**. Refer to this for the full documentation. Documentation for the web server itself can be found by accessing the **manual** if the `apache2-doc` package was installed on this server.

The configuration layout for an Apache2 web server installation on Ubuntu systems is as follows:

```
/etc/apache2/  
|-- apache2.conf  
|   |-- ports.conf  
|   |-- mods-enabled  
|       |-- *.load  
|       |-- *.conf  
|   |-- conf-enabled  
|       |-- *.conf  
|   |-- sites-enabled  
|       |-- *.conf
```

• `apache2.conf` is the main configuration file. It puts the pieces together by including all remaining

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