

Question: Explain Life Cycle effects on Instances: Stop, Start, Reboot, Terminate = public IP and private IP, Applications installed.

Answers:

- **STOP:** When the instance(windows/linux) has stopped, Public IPv4 address moves to shared pool, Private IPv4 address remains constant, and Application stopped responding.
- Please check below attached Screenshot –

The screenshot displays the AWS Management Console interface. At the top, a green banner indicates 'Successfully stopped i-03af147f54c5d28ca'. The main content area shows the 'Instances (1/1)' list with a single instance in the 'Stopped' state. The instance details summary below the list shows the public IPv4 address as a shared pool address (indicated by a yellow highlight) and the private IPv4 address as 172.31.7.157. Below the console, a Firefox browser window shows a 'The connection has timed out' error message for the URL 15.207.16.110.

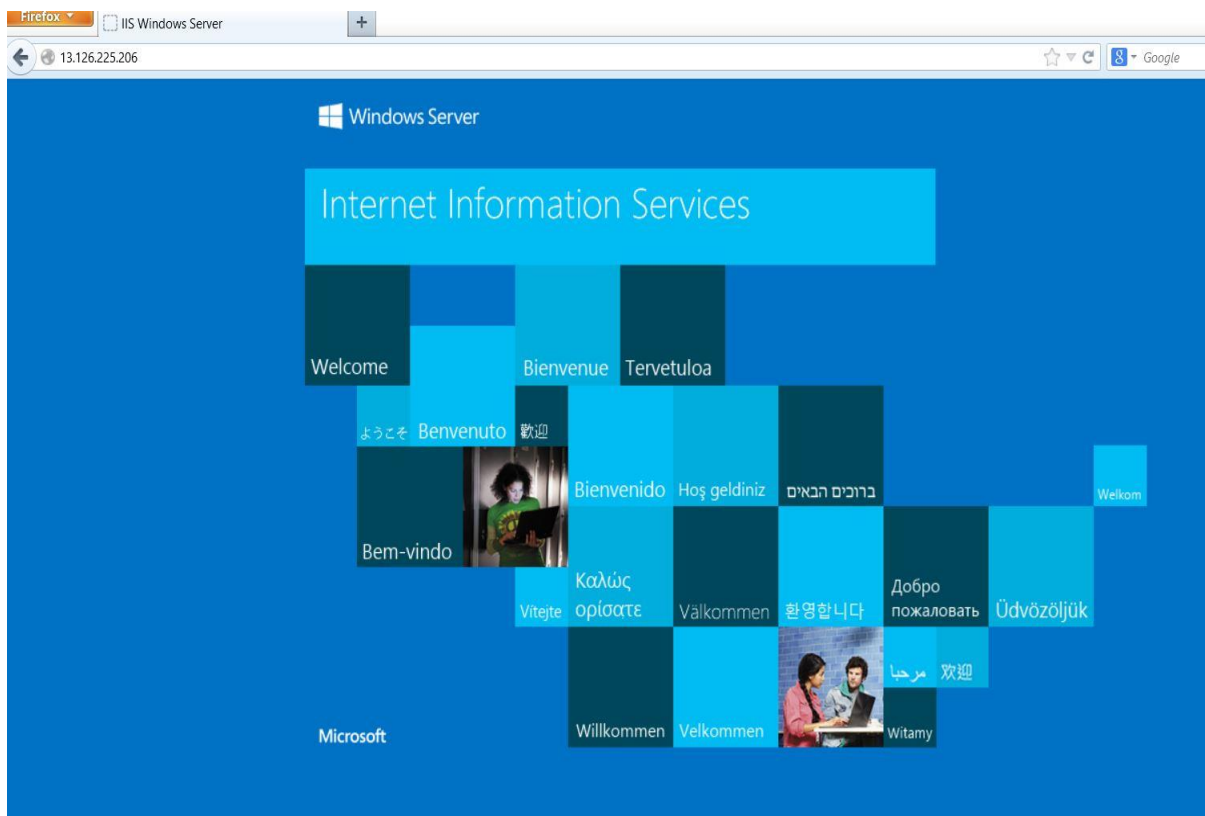
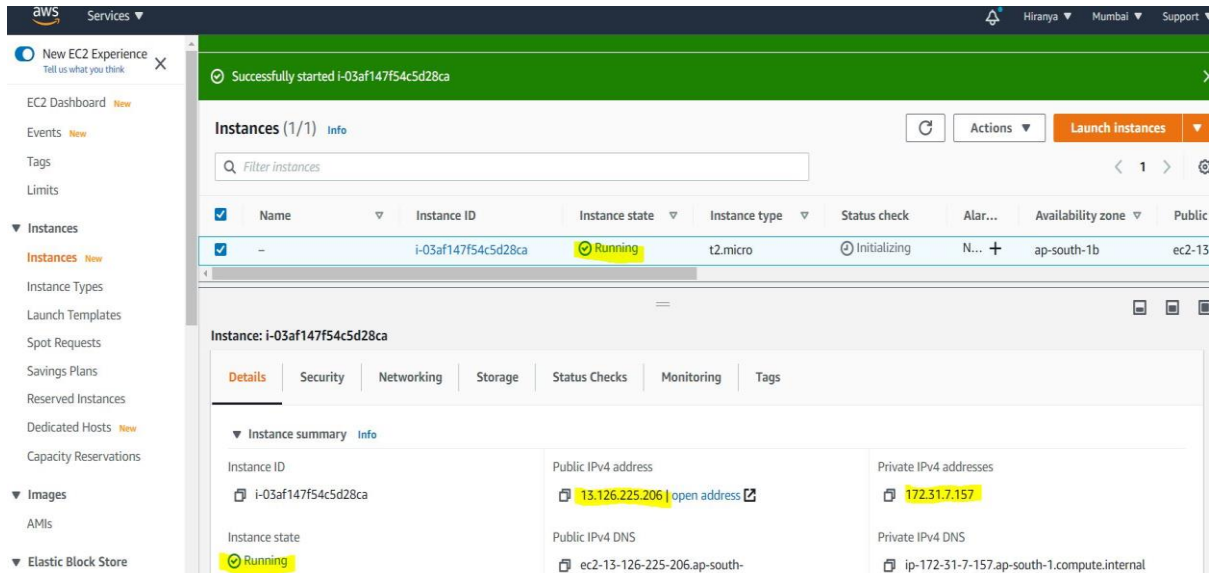
The connection has timed out

The server at 15.207.16.110 is taking too long to respond.

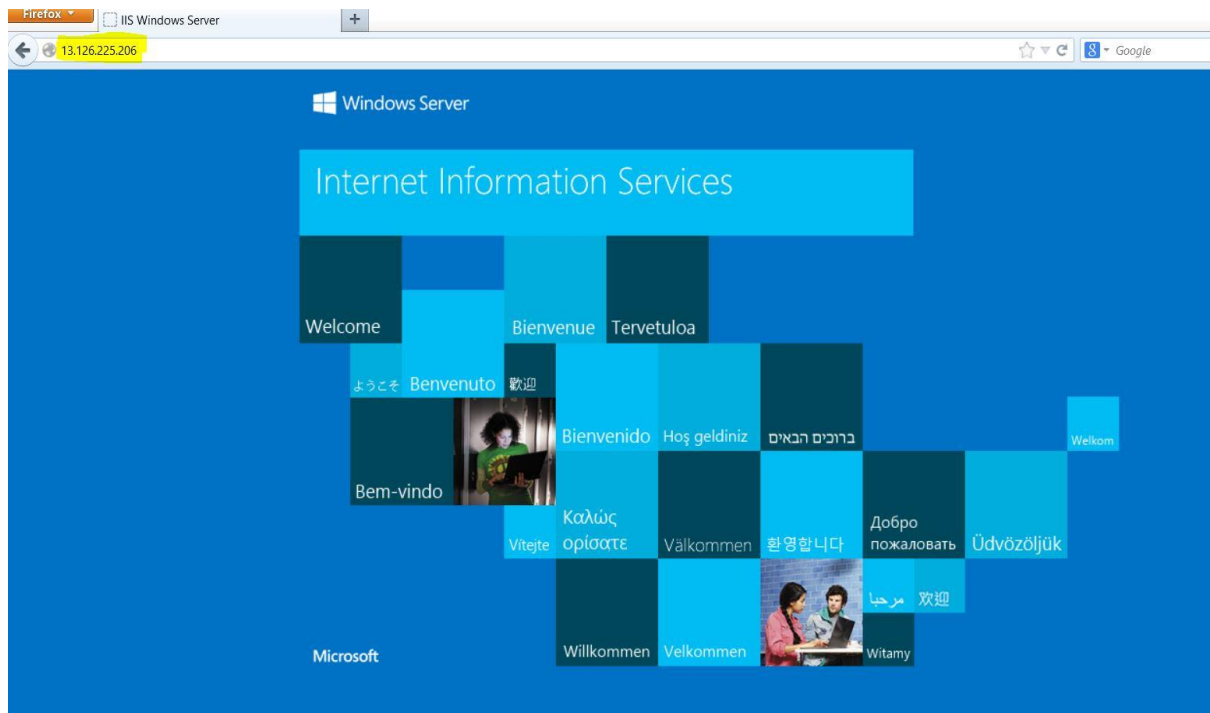
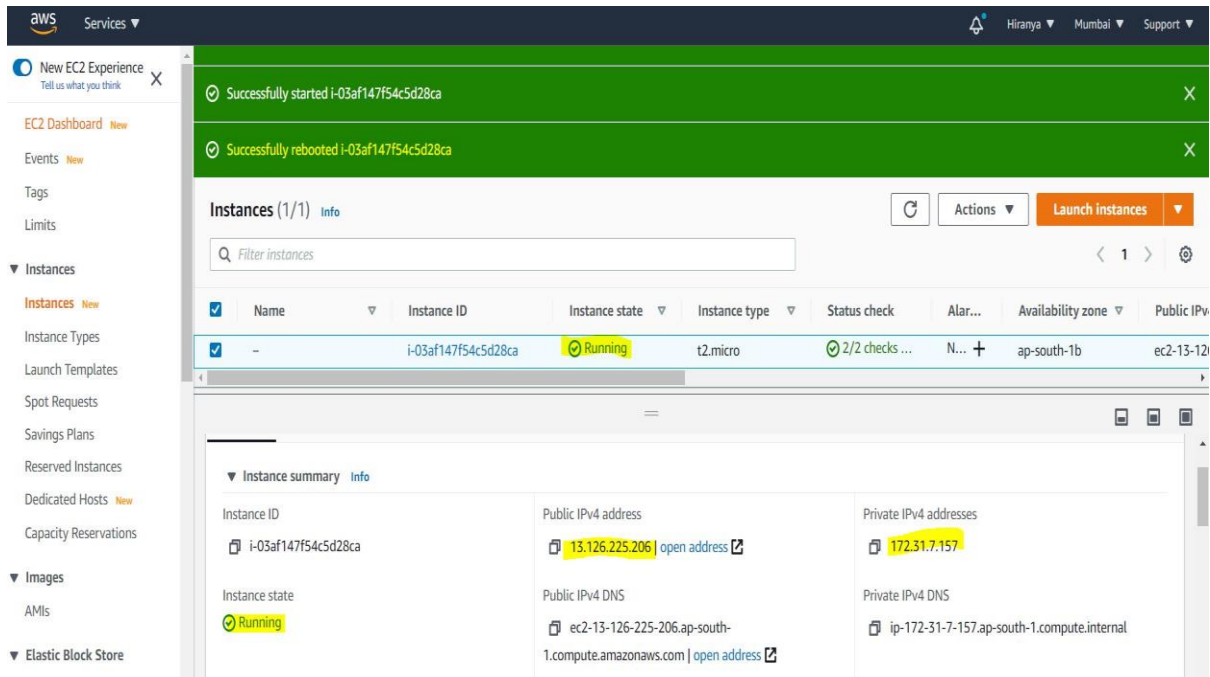
- The site could be temporarily unavailable or too busy. Try again in a few moments.
- If you are unable to load any pages, check your computer's network connection.
- If your computer or network is protected by a firewall or proxy, make sure that Firefox is permitted to access the Web.

[Try Again](#)

- **START:** When the instance has started, the Public IPv4 address has changed to a new one and the private IPv4 address remains constant and the Application runs from the new public IPv4 address.
- Please check below attached screenshot-



- **REBOOT:** After rebooting the instance, the public IPv4 address and private IPv4 address remains constant i.e. unchanged. And the Application is running from the same public IPv4 address.
- Please check below screenshot-



- **TERMINATE:** After terminating the instance, the private IPv4 and Public IPv4 address moves back to the shared DHCP pool and the Application is not responding.
- Please check below screenshot-

