

EC2 (Windows) - Lab Setup

1. **Number of Instances:** 1
2. **Name and Tags:** Set the instance name to "MyWindows"
3. **AMI (Amazon Machine Image):** Choose "Windows Server 2022 Base."
4. **Instance Type:** Select "T2 Micro."
5. **Key Pair:** Create a key pair and give it a name (e.g., "demo").
6. **Security Group:** Ensure the RDP port is selected to allow remote access.
7. **Storage:** Allocate 30GB of storage.
8. **Launch Instance:** Click "Launch Instance" and then "View Instances" to see your Windows machine running.

Connecting to the Windows Instance:-

1. **Select Instance:** Choose the instance you just launched.
2. **Connect:** Click on "Connect," then choose "RDP Client."
3. **Get Password:**
 - Click "Get Password."
 - Upload the demo.pem file.
 - Click "Decrypt Password" to reveal your password.
4. **Remote Desktop Connection:**

- Download and run the Remote Desktop Connection application.
- Enter the decrypted password and click "Connect."
- Confirm the connection by clicking "Yes."

5. **Access:** You should now see the Windows Server 2022 screen.

Real-Time Use Cases for Windows Instances:-

1. **DevOps Tools:** Install and work on various DevOps tools.
2. **Application Testing:** Test applications on servers with different configurations.
3. **E-Commerce:** Used by large e-commerce companies and marts for complex calculations.
4. **Game Development:** Develop and run games that require high-performance servers.
5. **Graphics and Visual Effects:** Work on high-definition graphics and visual effects for movie production.
6. **Additional Use Cases:** Windows instances can be used for many other specialized tasks that require high configuration and reliability.