

# I install terraform exe in windows 11 how to connect and proceed further to setup it with AWS cli and AWS free services like S3 and EC2

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Creating an IAM user with the necessary permissions and credentials in the Chrome browser is a straightforward process once you're logged into the

[AWS Management Console](#).

Phase 1: Create the IAM User & Attach Admin Policy

Follow these steps in your browser to set up the user:

1. **Open IAM Console:** Use the search bar at the top of the AWS console to search for **"IAM"** and select it.
2. **Add User:** In the left sidebar, click **Users**, then click the **Create user** button.
3. **User Details:** Enter a **User name** (e.g., **TerraformUser**). You do not need to check "Provide user access to the AWS Management Console" if this user is strictly for Terraform/CLI use. Click **Next**.
4. **Permissions:** Select **Attach policies directly**. Search for and check the box next to **AdministratorAccess**. Click **Next**.
5. **Review:** Confirm the name and policy, then click **Create user**.

Phase 2: Generate Programmatic Access Keys

AWS now separates user creation from access key generation for better security.

1. **Select User:** In the **Users** list, click on the name of the user you just created (e.g., **TerraformUser**).
2. **Security Credentials:** Click the **Security credentials** tab.
3. **Create Access Key:** Scroll down to the **Access keys** section and click **Create access key**.
4. **Use Case:** Select **Command Line Interface (CLI)** as the use case. Check the confirmation box and click **Next**.
5. **Finalize:** Add an optional tag (e.g., "TerraformKey") and click **Create access key**.
6. **Crucial Step:** Click **Download .csv file** immediately. This is your **only chance** to see the **Secret Access Key**. If you lose it, you must create a new key.

### Phase 3: Connect via AWS CLI

Now that you have your keys, link them to your Windows 11 machine:

1. Open **Command Prompt** or **PowerShell**.
2. Run `aws configure`.
3. Paste your **Access Key ID** and **Secret Access Key** when prompted.
4. Enter your **Default region name** (e.g., `us-east-1`) and **Default output format** (`json`).

Once configured, Terraform will automatically detect these credentials from your local system when you run `terraform plan` or `terraform apply`.