

# Accessing Remote VSCode Environment with RunAI

Follow these steps to set up and access a remote VSCode environment using RunAI:

## Step 1: Submit the VSCode Job

Run the following command to submit a job that starts a VSCode server:

```
./runai submit vscode-job \  
  --image codercom/code-server:latest \  
  --gpu 1 \  
  --command -- code-server --auth none --host 0.0.0.0 --port 8080
```

This command:

- Uses the `codercom/code-server:latest` image
- Allocates 1 GPU (adjust as needed)
- Starts VSCode server without authentication, accessible on all network interfaces

## Step 2: Check Job Status

Wait for the job to start running. Check its status using:

```
runai get vscode-job
```

Repeat this command until you see that the job status is "Running".

## Step 3: Set Up Port Forwarding

Once the job is running, set up port forwarding to access the VSCode server:

```
runai port-forward vscode-job --port 8080:8080
```

Keep this terminal window open to maintain the connection.

## Step 4: Access VSCode in Your Browser

Open your web browser and navigate to:

`http://localhost:8080`

You should now see the VSCode interface in your browser.

### Additional Notes:

- If port 8080 is already in use on your local machine, you can change the local port in the port-forward command. For example, `--port 8081:8080` would make VSCode accessible at `http://localhost:8081`.
- To stop the VSCode job when you're done, use:

```
runai delete job vscode-job
```

- consider enabling authentication by removing `--auth none` from the submit command for setting a password.