Setting Up a VSCode Development Environment on

Intel® Tiber™ AI Cloud

# Prerequisites:

* A computer with internet access
* An email address for registration
* VSCode installed on your local machine.

# Instructions:

1. Account Setup
   1. Navigate to the [Intel® Tiber™ AI Cloud](https://bit.ly/403cyuj)  homepage.
   2. Click on **Get Started**.
   3. Choose the **Standard-Free** account.
   4. Enter your email on the registration page and click **Create an Account**
   5. Fill out the entire registration form. Remember your password.
   6. Check your email for a confirmation message and use the code on the verification page.
   7. Wait for your account to be approved. Once done, follow the on-screen link to the Intel® Tiber™ AI Cloud console.

# Redeeming Cloud Credits

1. Click on the user icon in the top right and from the dropdown, select **Cloud Credits**.
2. Click **Redeem Coupon** and enter the Coupon Code given by the Developer Certification.
3. Ensure you have $250 visible in the Cloud credits summary page.

# Setting Up the VM

1. Head back to the console homepage and click on **Hardware Catalog**.
2. Choose the **4th Generation Xeon Processors**, opting for either Small or Medium VM (we recommend the latter).
3. Name your instance and pick a public key. If you don’t possess one:
   1. Click **Upload Key**
   2. Follow the instructions under **How to Create an SSH Key**. Depending on your OS (Windows, Linux, or macOS), the process might differ. Stick to the latest instructions for the Intel® Tiber™ AI Cloud.
   3. Once created, paste the contents of your public key into the **Key Contents** section. This is usually found in the **.ssh** folder as **id\_rsa.pub**.
4. Launch your instance. This might take a moment.

# Configuring VSCode

1. On your local machine, open **VSCode**.
2. If not installed, click on the extension icon in the sidebar and search for **Remote - SSH**. Install it.
3. Press **F1** and type in **Remote - SSH: Add New SSH Host**. Choose it from the dropdown.
4. Return to the Intel® Tiber™ AI Cloud instance and click **How to Connect**. This will provide the necessary SSH connection command.
5. Paste the SSH command into VSCode's connection prompt. Choose an SSH config file to update (the first option usually works).
6. In the appearing pop-up, click **Connect**.
7. Select **Linux** when asked for the remote host platform.
8. If you have an SSH Key password, enter it twice. If not, simply hit continue twice.
9. Once you complete these steps, You should now have VSCode operating on the Intel® Tiber™ AI Cloud remote host.

# VSCode Remote Folder Access

1. In VSCode, go to the file explorer on the left and click **Open Folder**.
2. Allow the opening of a folder on the remote host by choosing default options. You should now have VSCode operating on the Intel® Tiber™ AI Cloud remote host.

# Cloning the Course Repository

1. In the terminal, run: **git clone https://github.com/intel/certified-developer**
2. Use the file tree to peruse the repository, modify files, or execute scripts.
3. A terminal can be opened within VSCode to run scripts.
4. Some course materials utilize VSCode's port forwarding for prototypes and front-end runs on your local browser.

For any questions or concerns, please reach out to the course administrators.

Congratulations! You now have a fully functional development environment on the Intel® Tiber™ AI Cloud using VSCode. Enjoy your MLOps Professional Course!