IoT Greenhouse™ – Accessing Documentation

Overview:

The IoT Greenhouse™ is a learning system developed to teach the fundamentals of Python programming and Internet of Things (IoT). Both system documentation and learning content are available via a Git Repository. A Git Repository is a version-control system enabling users to "pull" the most recent versions of lessons and documentation from the repository. Git documentation and downloads are available at https://git-scm.com

Prerequisites:

There are no prerequisites for this task.

Performance Outcomes:

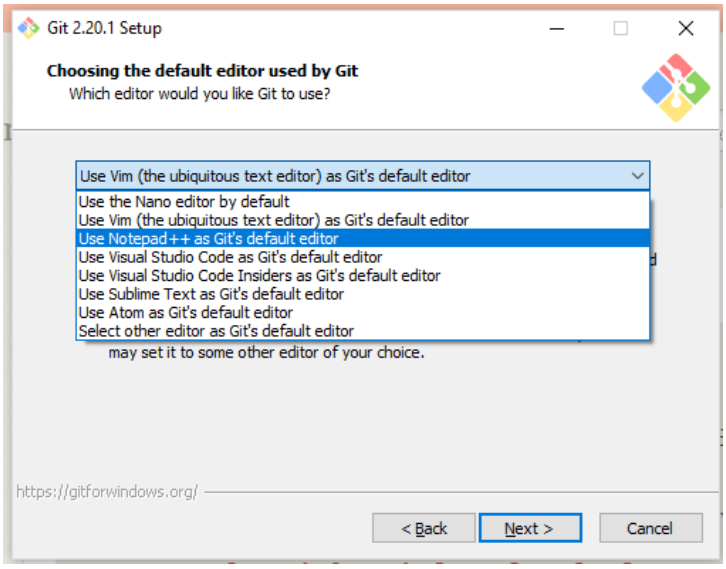
1. Download and install a Git client
2. Pull system documentation and lessons from Git repository

Resources:

1. https://git-scm.com
2. https://github.com/k2controls/iot_gh_docs_user

Step 1: Download Git Client

1. Download and install the Git client from https://git-scm.com/downloads. A Windows installation is shown below.
2. Accept the default options during the installation process except for the default editor screen shown below. Installing Notepad++ is recommended over the default Vim editor.



3. Use the link provided in the installation screen shown on the prior page to access and install the Notepad++ text editor.

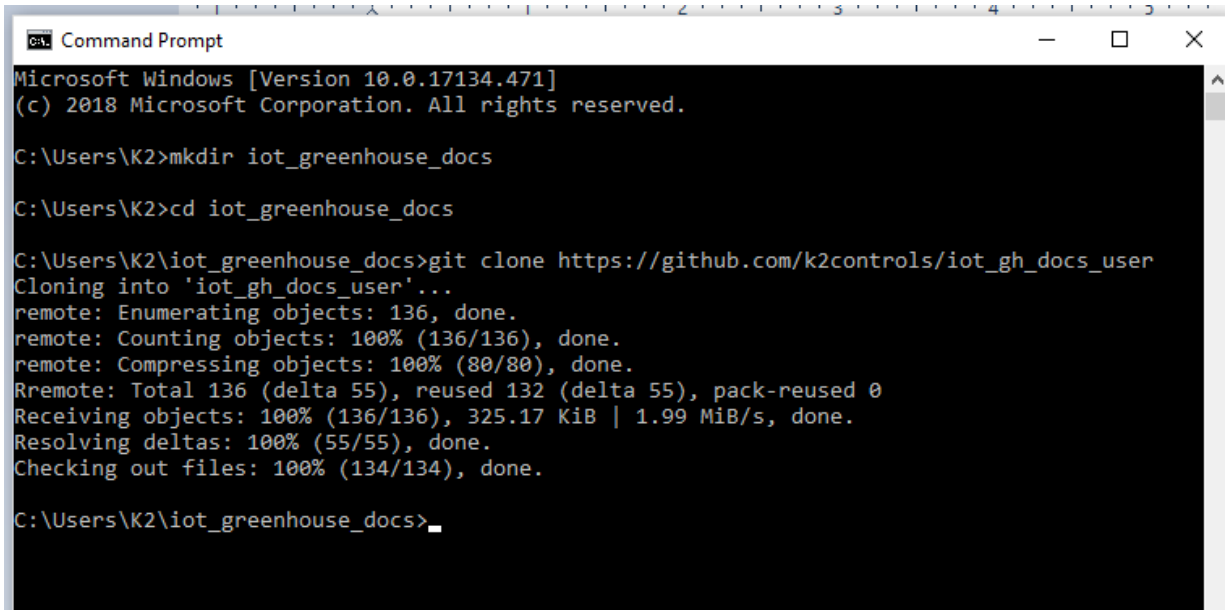
4. Complete the installation of the Git client by accepting the default values.
5. Download the IoT Greenhouse™ documentation by opening a command or terminal window.
6. Create a folder or directory as a container for the documentation. The screen capture below shows the **iot_greenhouse_docs** folder being created using the following Windows commands.

   mkdir iot_greenhouse_docs

   cd iot_greenhouse_docs

7. Enter the following Git command to clone (copy) system documentation and lessons to the current directory. The screen capture below shows the results of a successful download.

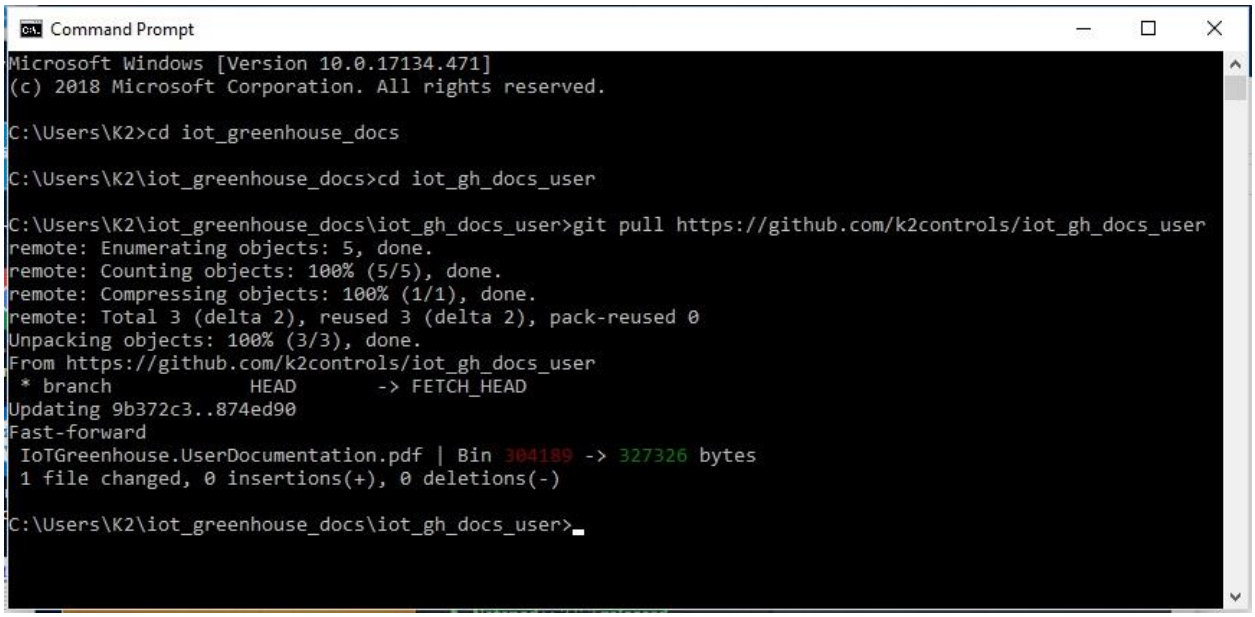
   git clone https://github.com/k2controls/iot_gh_docs_user



8. Once you've created the local Git repository, updates can be downloaded by completing a "pull" request. Navigate to the local Git repository on your computer and enter the following Git command.

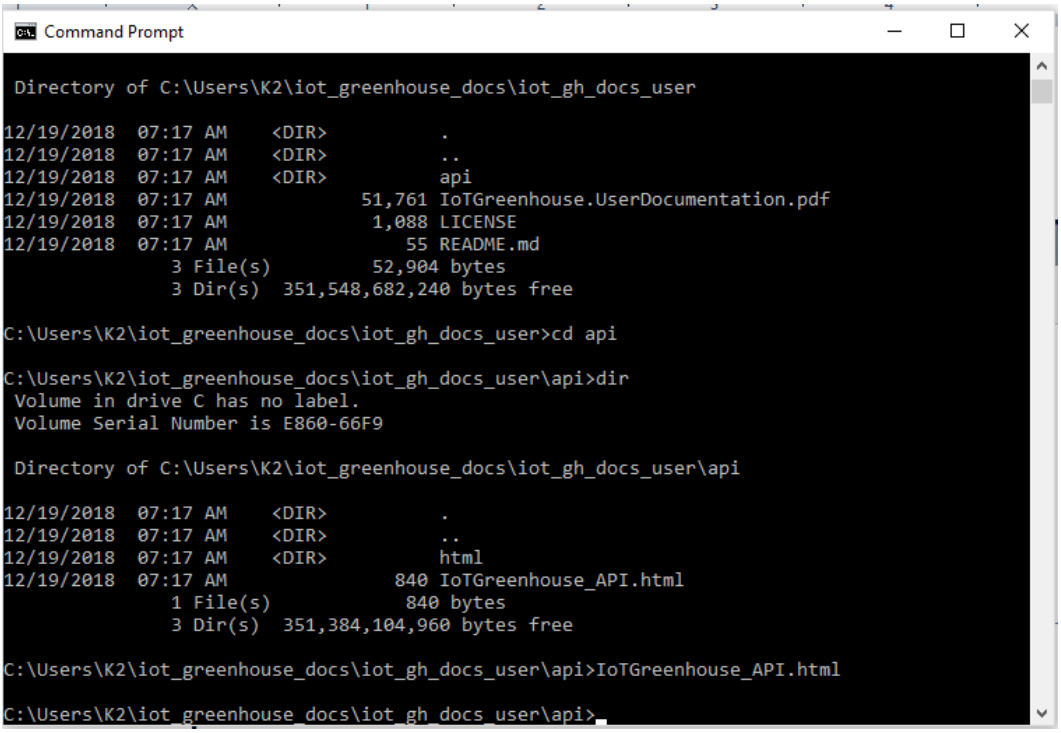
   git pull https://github.com/k2controls/iot_gh_docs_user

9. The screen capture below shows the user accessing the repository from a Windows command window and executing the pull request. Note that a single file (this document) has been updated.



10. The IoT Greenhouse™ Python service documentation is provided in the **api** folder. Lesson content is available in the **modules** folder.

11. The screen capture on the following page shows the user navigating to the API folder to access the home page for the API documentation (IoTGreenhouse_API.html). The browser is launched, and the home page is loaded.



12. The home page for the IoT Greenhouse API is loaded into the browser. Use the IoT Greenhouse API link in the center of the page to access contents.