

IoT Greenhouse™ – User 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:

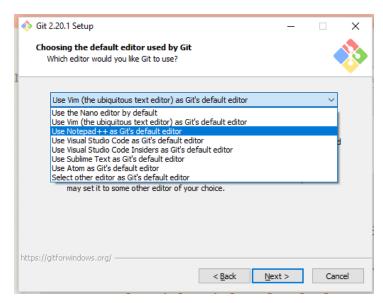
- 1. Download and install a Git client
- 2. Pull system documentation and lessons from Git repository

Resources:

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

Step 1: Download Git Client

- 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 with the exception 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.
- 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 result of a successful download.

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

```
Microsoft Windows [Version 10.0.17134.471]
(c) 2018 Microsoft Corporation. All rights reserved.

C:\Users\K2>mkdir iot_greenhouse_docs

C:\Users\K2\iot_greenhouse_docs>git clone https://github.com/k2controls/iot_gh_docs_user cloning into 'iot_gh_docs_user'...
remote: Enumerating objects: 136, done.
remote: Counting objects: 100% (136/136), done.
remote: Compressing objects: 100% (80/80), done.
Rremote: Total 136 (delta 55), reused 132 (delta 55), pack-reused 0
Receiving objects: 100% (55/55), done.
Resolving deltas: 100% (55/55), done.
Checking out files: 100% (134/134), done.

C:\Users\K2\iot_greenhouse_docs>__
```



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```
X
      Command Prompt
      :\Users\K2\iot_greenhouse_docs>dir
Volume in drive C has no label.
      Volume Serial Number is E860-66F9
      Directory of C:\Users\K2\iot_greenhouse_docs
     12/19/2018 07:17 AM
                               <DIR>
     12/19/2018 07:17 AM
                               <DIR>
     12/19/2018
                 07:17 AM
                               <DIR>
                                               iot_gh_docs_user
                                              0 bytes
                     0 File(s)
                     3 Dir(s) 351,489,220,608 bytes free
     C:\Users\K2\iot_greenhouse_docs>cd iot_gh_docs_user
     C:\Users\K2\iot_greenhouse_docs\iot_gh_docs_user>dir
Volume in drive C has no label.
      Volume Serial Number is E860-66F9
      Directory of C:\Users\K2\iot_greenhouse_docs\iot_gh_docs_user
     12/19/2018 07:17 AM
                               <DIR>
     12/19/2018 07:17 AM
                               <DIR>
     12/19/2018
                 07:17 AM
                               <DIR>
                                               api
                                       51,761 IoTGreenhouse.UserDocumentation.pdf
     12/19/2018
                 07:17 AM
     12/19/2018 07:17 AM
                                        1,088 LICENSE
     12/19/2018 07:17 AM
                                           55 README.md
                     3 File(s)
                                        52,904 bytes
                     3 Dir(s) 351,548,682,240 bytes free
     C:\Users\K2\iot_greenhouse_docs\iot_gh_docs_user>_
10.
```

X Command Prompt Directory of C:\Users\K2\iot_greenhouse_docs\iot_gh_docs_user 12/19/2018 07:17 AM <DIR> 12/19/2018 07:17 AM <DTR> 12/19/2018 07:17 AM <DIR> api 12/19/2018 12/19/2018 07:17 AM 51,761 IoTGreenhouse.UserDocumentation.pdf 07:17 AM 1,088 LICENSE 12/19/2018 07:17 AM 55 README.md 3 File(s) 52,904 bytes 3 Dir(s) 351,548,682,240 bytes free C:\Users\K2\iot_greenhouse_docs\iot_gh_docs_user>cd api :\Users\K2\iot_greenhouse_docs\iot_gh_docs_user\api>dir Volume in drive C has no label. Volume Serial Number is E860-66F9 Directory of C:\Users\K2\iot_greenhouse_docs\iot_gh_docs_user\api 12/19/2018 07:17 AM <DIR> 12/19/2018 07:17 AM <DIR> 12/19/2018 07:17 AM <DIR> html 12/19/2018 07:17 AM 840 IoTGreenhouse_API.html 1 File(s) 840 bytes 3 Dir(s) 351,384,104,960 bytes free C:\Users\K2\iot_greenhouse_docs\iot_gh_docs_user\api>IoTGreenhouse_API.html C:\Users\K2\iot_greenhouse_docs\iot_gh_docs_user\api>_ 11.



13.

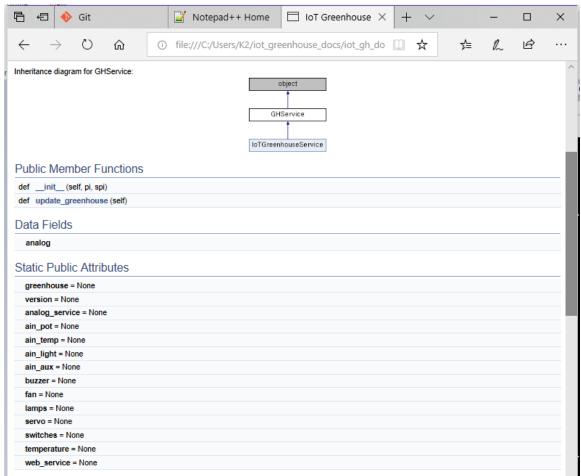
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