SponsorCoin

SponsorCoin is an ECR20 blockchain project with the goal of raising crypto capital for free market innovation projects without the intervention of governance and regulations.

This document is to provide an overview on the setup environment requirements for SponsorCoin development access.

Technical Development Setup Manual

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# Manual Release Versions

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| --- | --- | --- |
| Date | Version | Author |
| Dec 12 2021 | V1.0 (Initial Version) | Robin Melanson |

# SPONSORCOIN DEVELOPER SET UP INSTRUCTIONS

## Software Setup Requirements

The following software is required for SponsorCoin development account access.

1. An Email Account
2. GitHub Access
3. AWS EC3 Linux SSH Access
4. PuTTY shell access
5. WinSCP File Management Access

## Email Requirements

Prior to setting up your developers account, an email will have to be delivered to the GitHub admin to grant permission for GitHub collaborator access.

The GitHub collaborator access account invitation will email the prospective developer a conformation response for access.

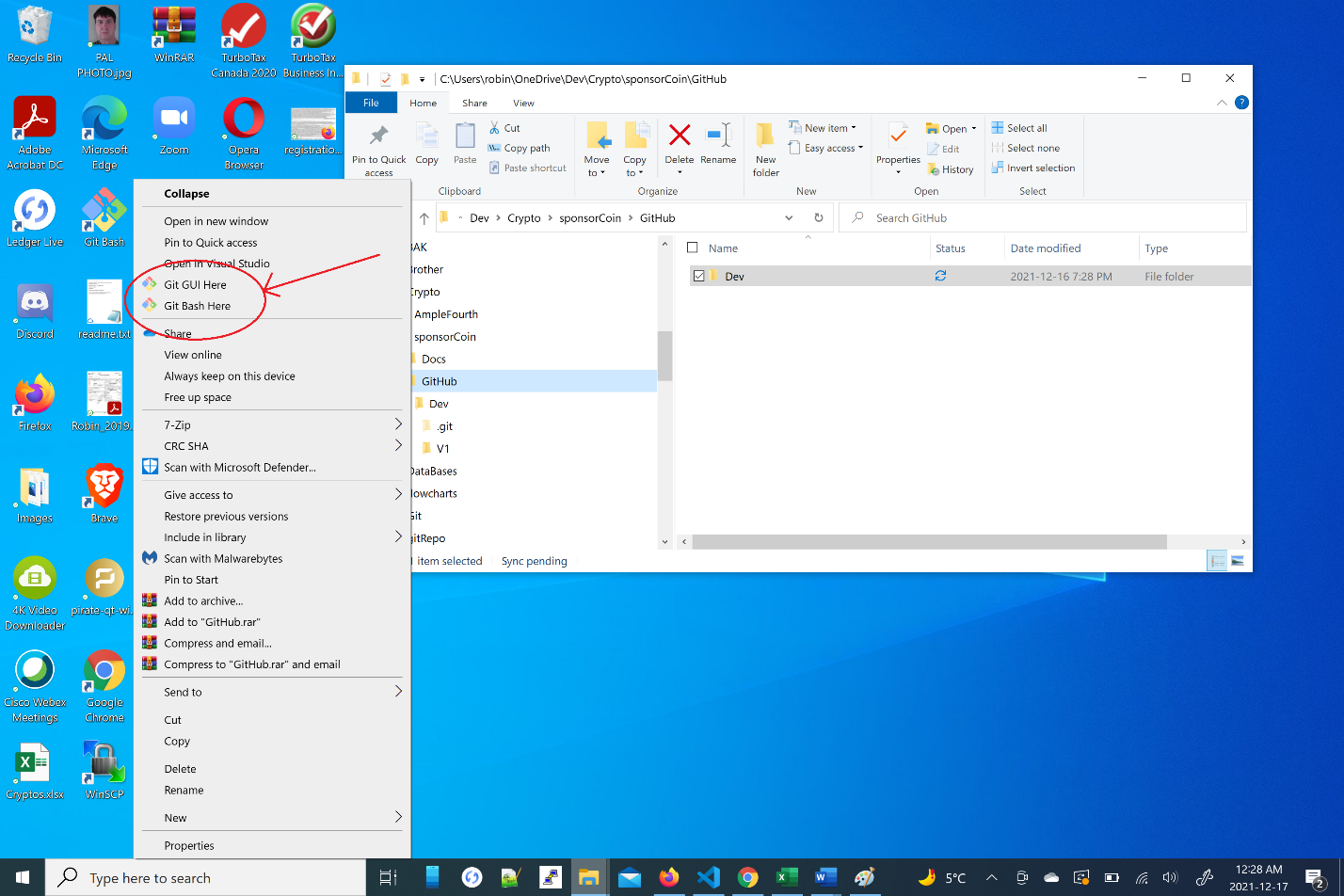
It is strongly recommended that you use a proton email account for all players on this project for privacy protection. You want your privacy for personal and possibly legal reasons.  Although not doing anything illegal, we are aware that with money is substantial, somehow legalities always get involved.

Proton Mail is secure with even the "Proton Mail Application" not being able to read any of your data, everyone should use this anyway as google and other mainstream providers crawls through everything you send and receive, however e-mailing to another e-mail vendor like Gmail invalidates this claim.

## GitHub Setup

Download git from <https://git-scm.com/downloads>.

Open the file and install using all the defaults unless you are certain about a specific option.

To validate your setup, open windows file explorer and validate gitBash and gitGui are available and working by right clicking on any directory and selecting.****

## Visual Studio Code with GitHub Access

Download the latest Visual Studio Code. If you have an older version installed, download the latest anyway. Clone the sponsorCoin GitHub repository to your local drive using the GitHub Repository URL [**https://github.com/sponsorCoinAdmin/Dev.git**](https://github.com/sponsorCoinAdmin/Dev.git).

Graphical user interface, application

Description automatically generated

Checkout a file, do a simple change and checkin. You will be prompted for your credentials.

## AWS EC2 Linux Shell Access

The SponsorCoin Server is located under domain <http://www.stockwidgets.com/sponsorCoin/>

**SponsorCoin AWS EC2 T2 Mini Linux Server Instance Specs as follows:**

It is a, “T2 mini”, AWS Linux OS, 2GB Ram 500 GB Disk with low to medium performance currently the public IP is currently **35.183.181.92**, but it is an elastic DHCP allocated IP, meaning if we shutdown the server the IP changes.  The domain currently in use is a legacy domain [**www.stockwidgets.com**](http://www.stockwidgets.com), so we do not have to worry about the IP change.  A user Id and SSH key access shall be issued to assigned group members. sponsorCoin.com domain will be set it up shortly using AWS Route 53.

**SponsorCoin Linux Server SSH Direct Access**

You should receive by email a user id (UID) along with an ssh private shell access key in the form of UID-privateKey.pem. To install this shell access key, do the following steps…

* 1. Open up bash in your home directory explained in GitHub setup above.
  2. Create the directory .ssh in your home directory if it does not already exist.
     + Execute mkdir ~/.ssh
  3. Change the directory permissions for ~/.ssh in your home directory to Read/Write/Execute for owner only.
     + chmod 700 ~/.ssh
  4. Move the UID-privateKey.pem to the ~/.ssh directory.
     + mv UID-privateKey.pem to the ~/.ssh
  5. Check for linux shell access with the following command.
     + ssh -i ./UID-privateKey.pem skaleis@www.stockwidgets.com
  6. add an alias to the bash\_profile file as follows (SINGLE LINE)
     + alias scLogin="ssh -i ~/.ssh/UID-privateKey.pem UID@www.stockwidgets.com"
  7. Check for Linux shell access again with the following alias command.
     + scLogin

## SponsorCoin Linux Server PuTTY Access

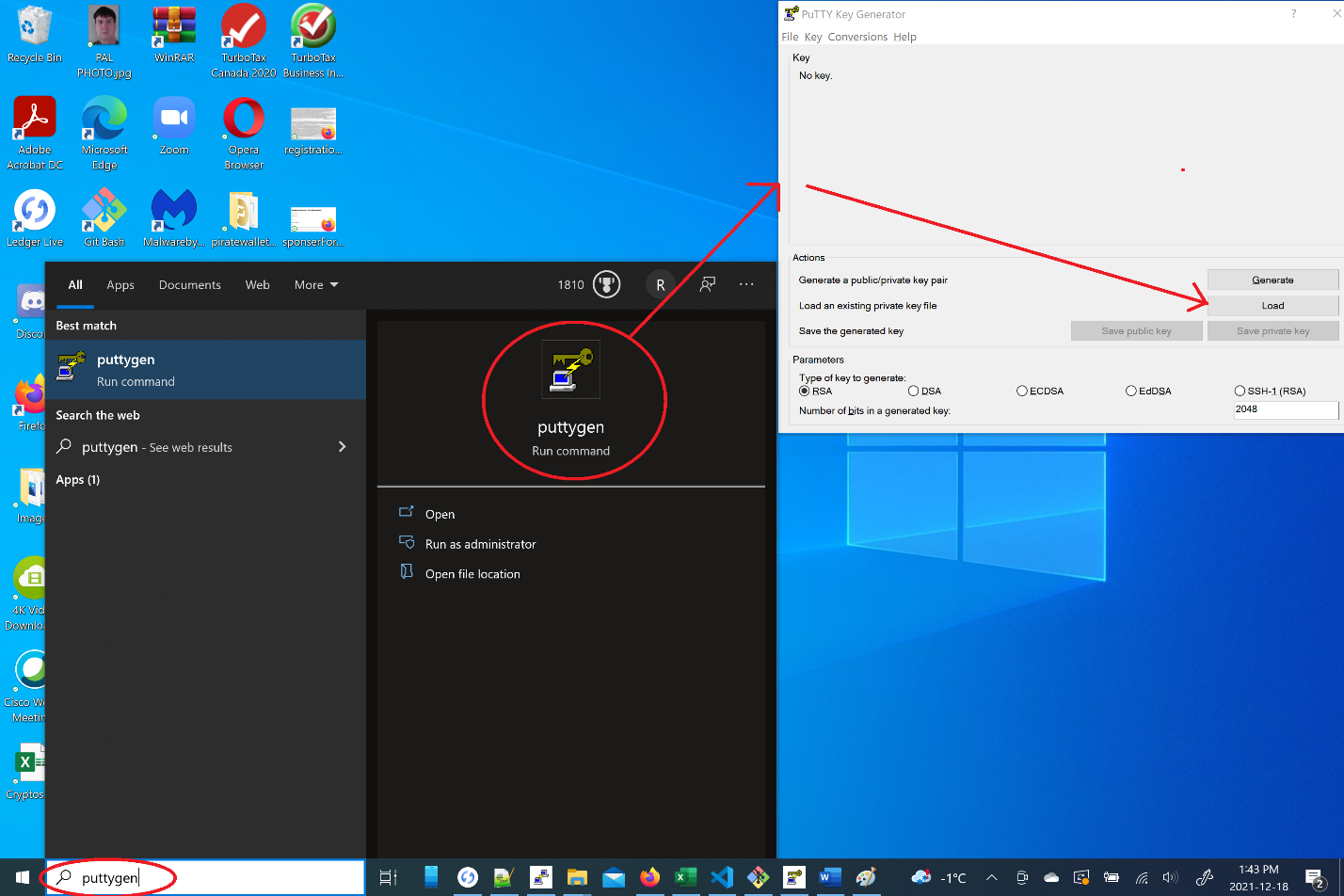
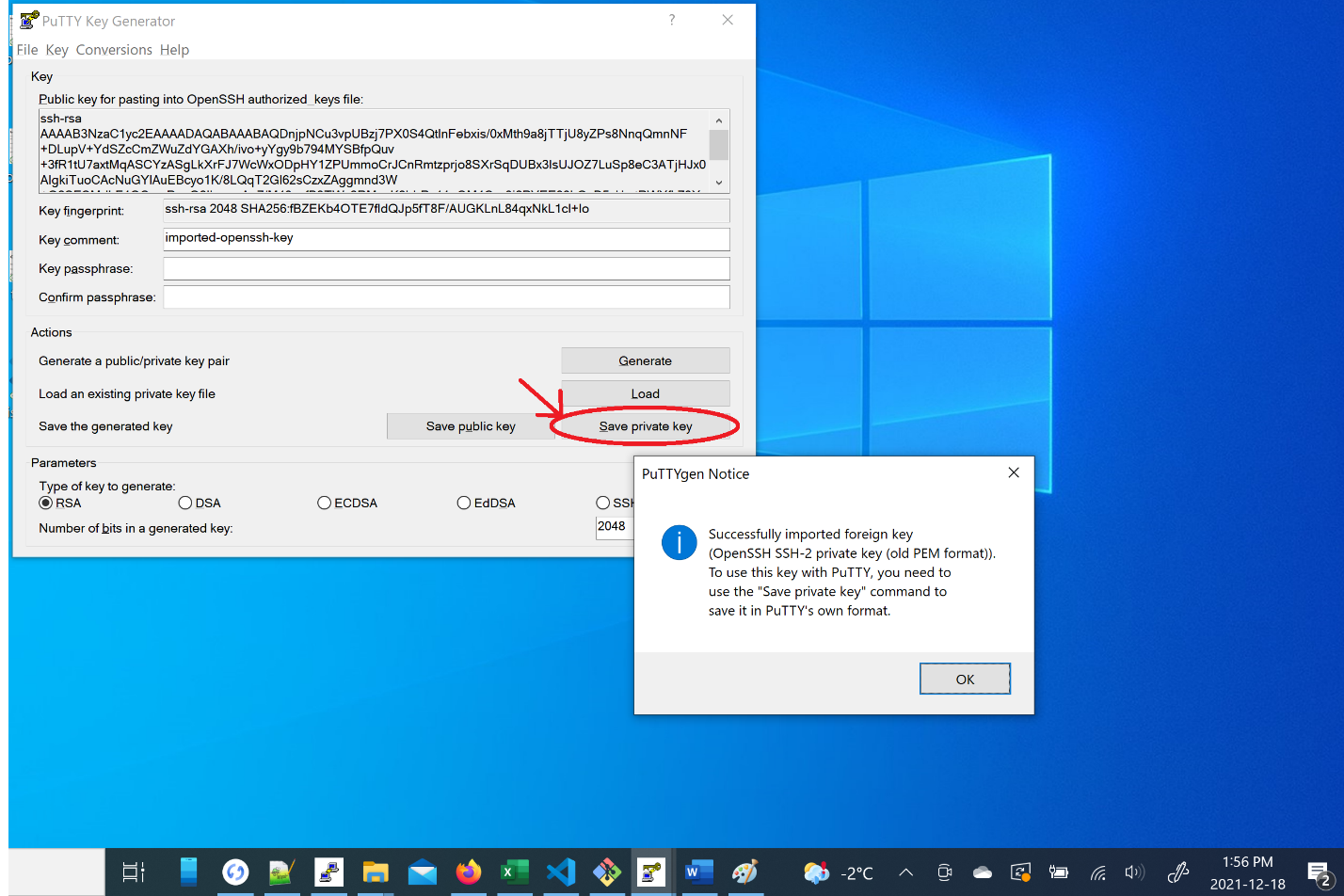
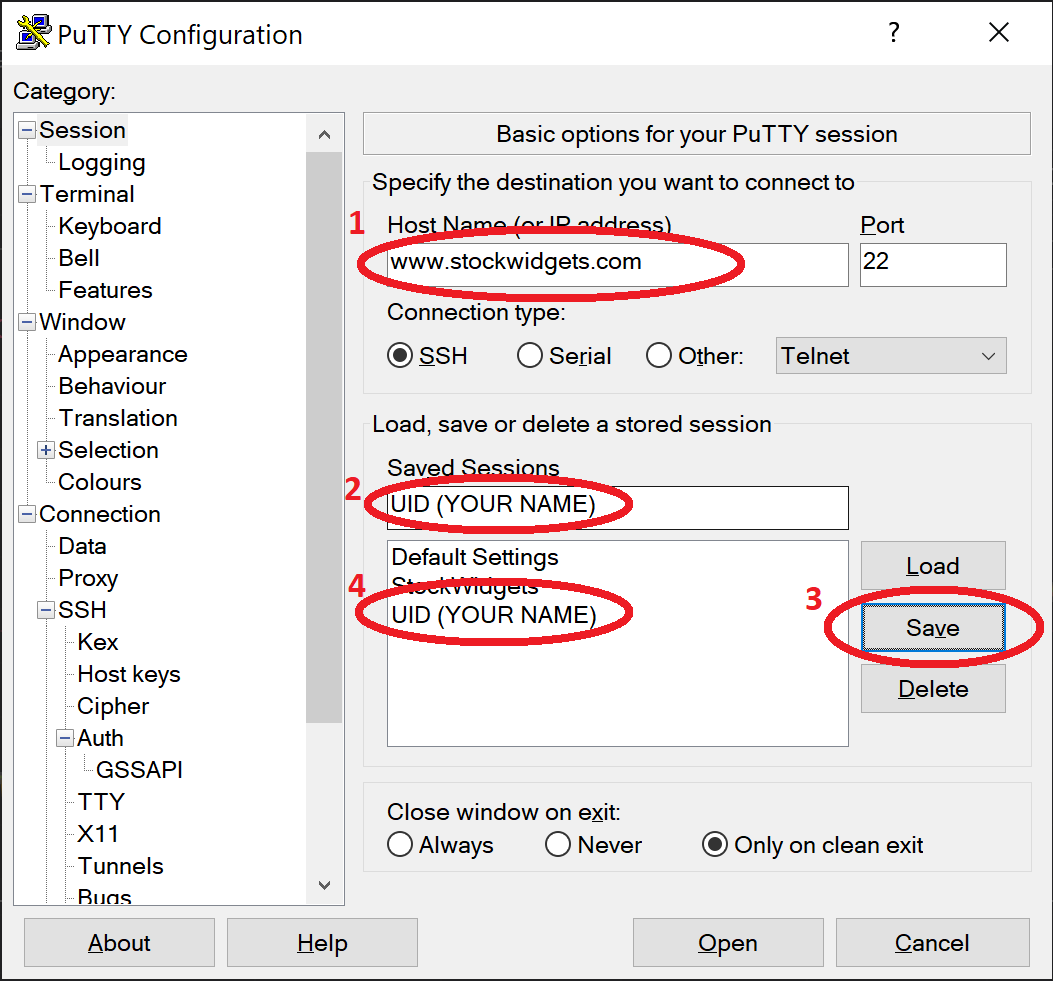
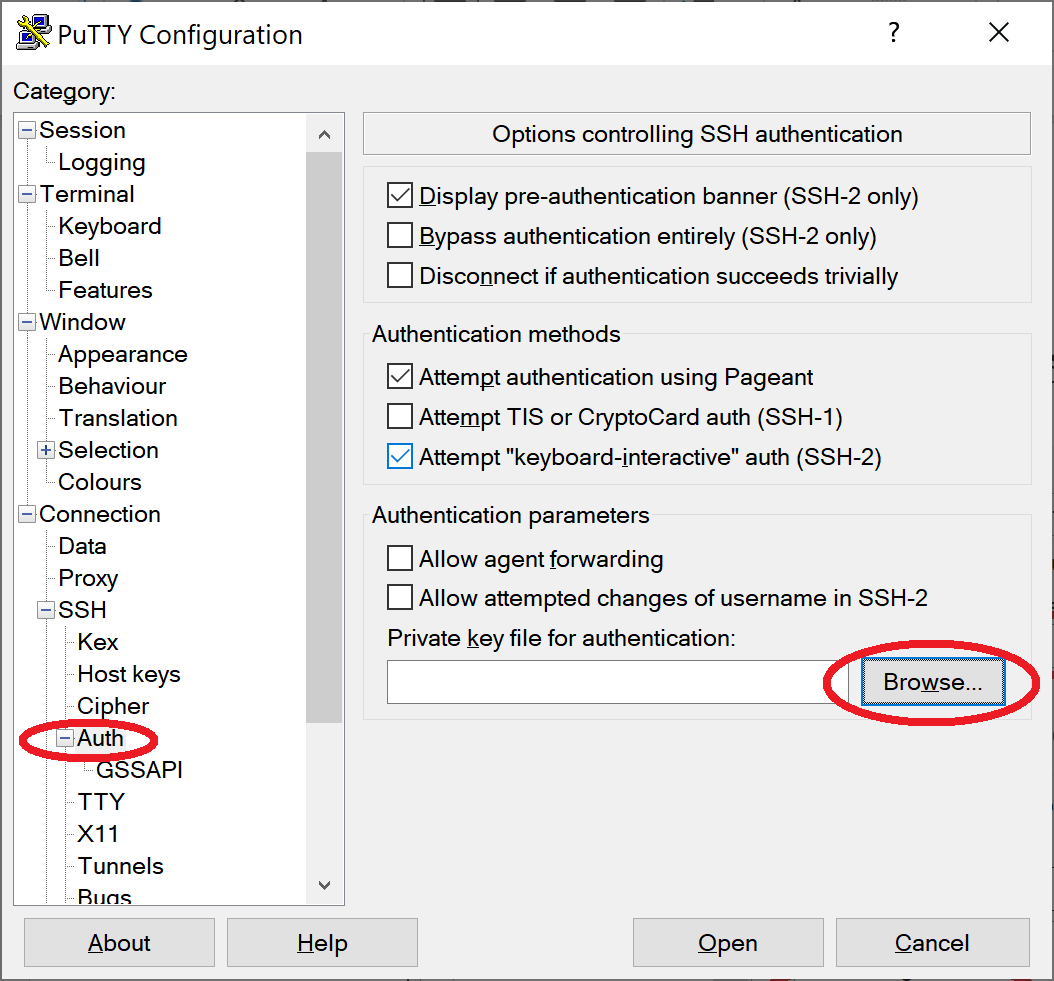
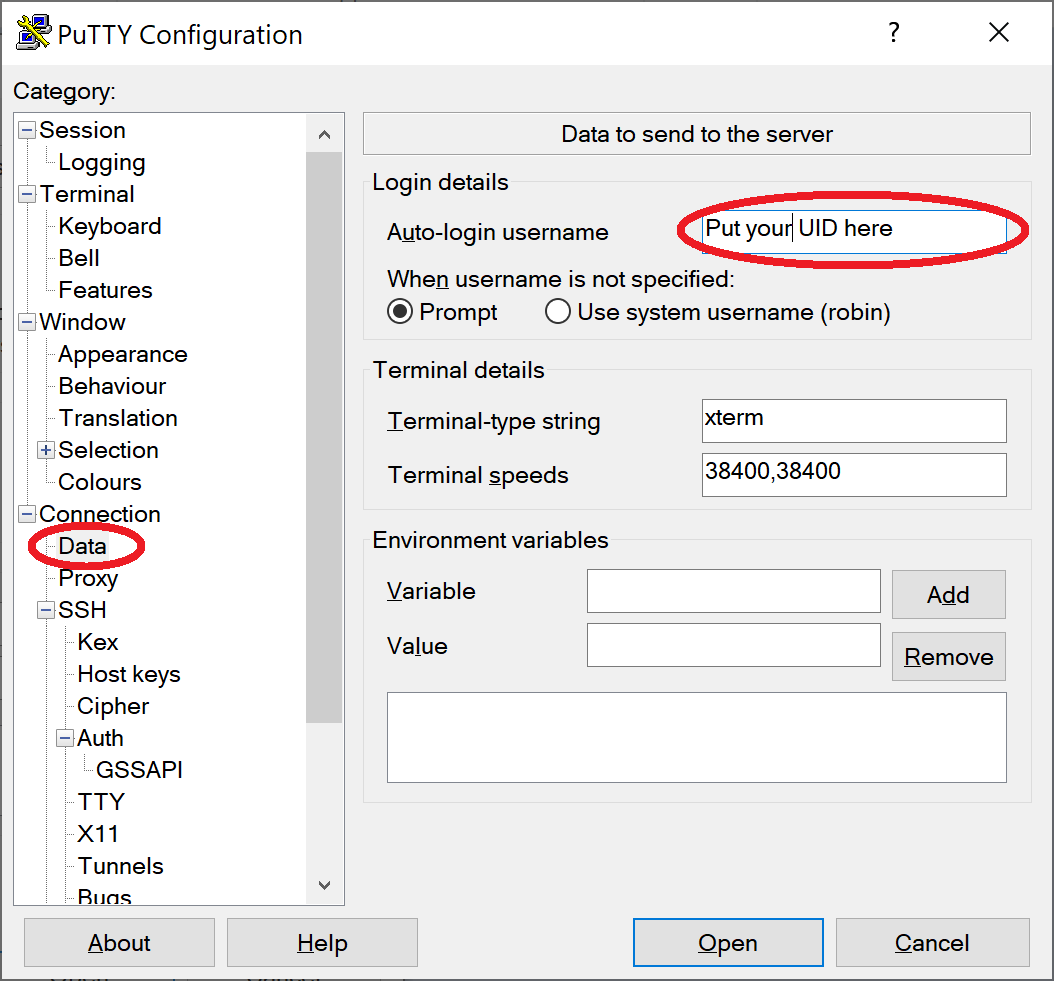
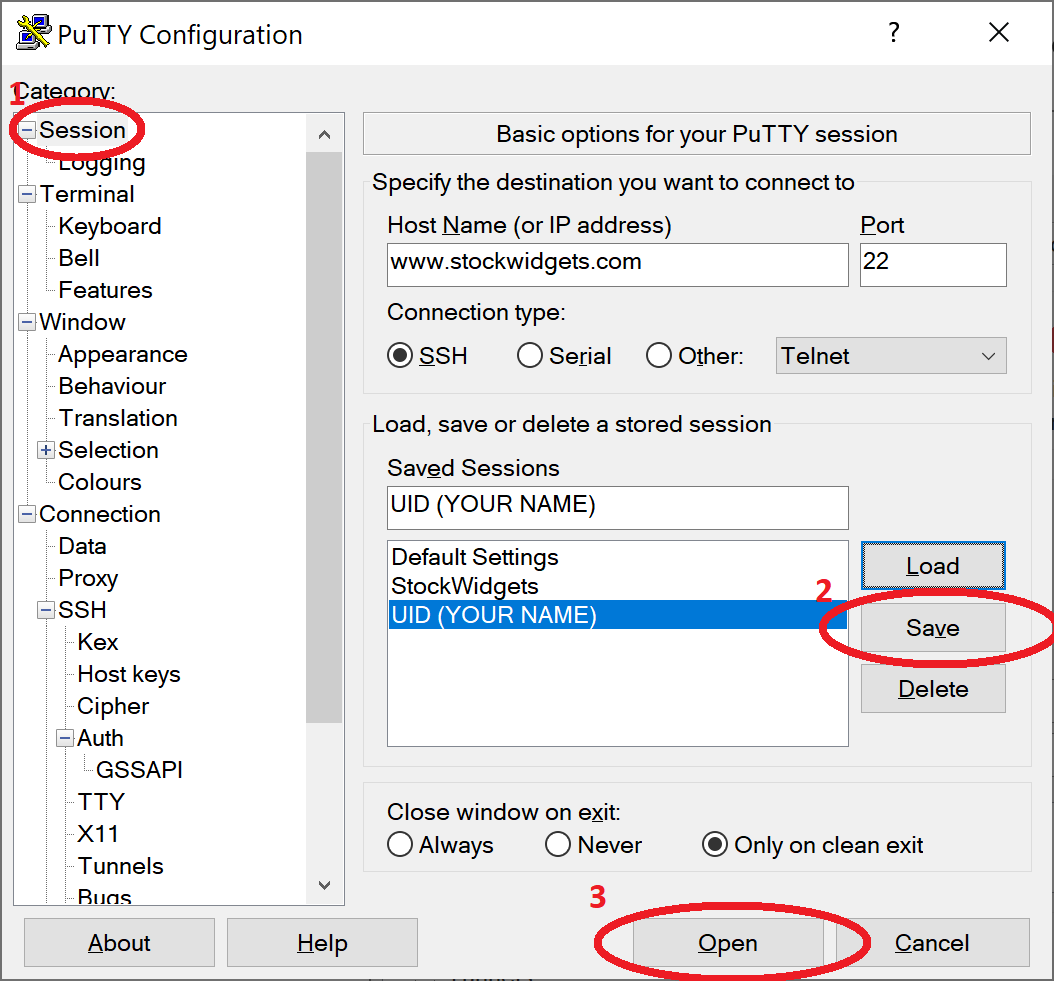
PuTTY is a remote access terminal with SSH support. To continue, you must download the PuTTY terminal access application from the site [www.PuTTY.org](http://www.putty.org). Install to you local before proceeding.

Like “SSH Direct Access” above, PuTTY requires a private security key. The private security key is not the same as the “UID-privateKey.pem” as PuTTY requires PPK format. PPK format key can be derived from a PEM formatted file.

Creating the .ppk file from the .pem file. The following video may help you to generate the PPK key from the PEM key using the PuTTYGen application:

<https://www.youtube.com/watch?v=w8q6xqqjhSI>

Step by step

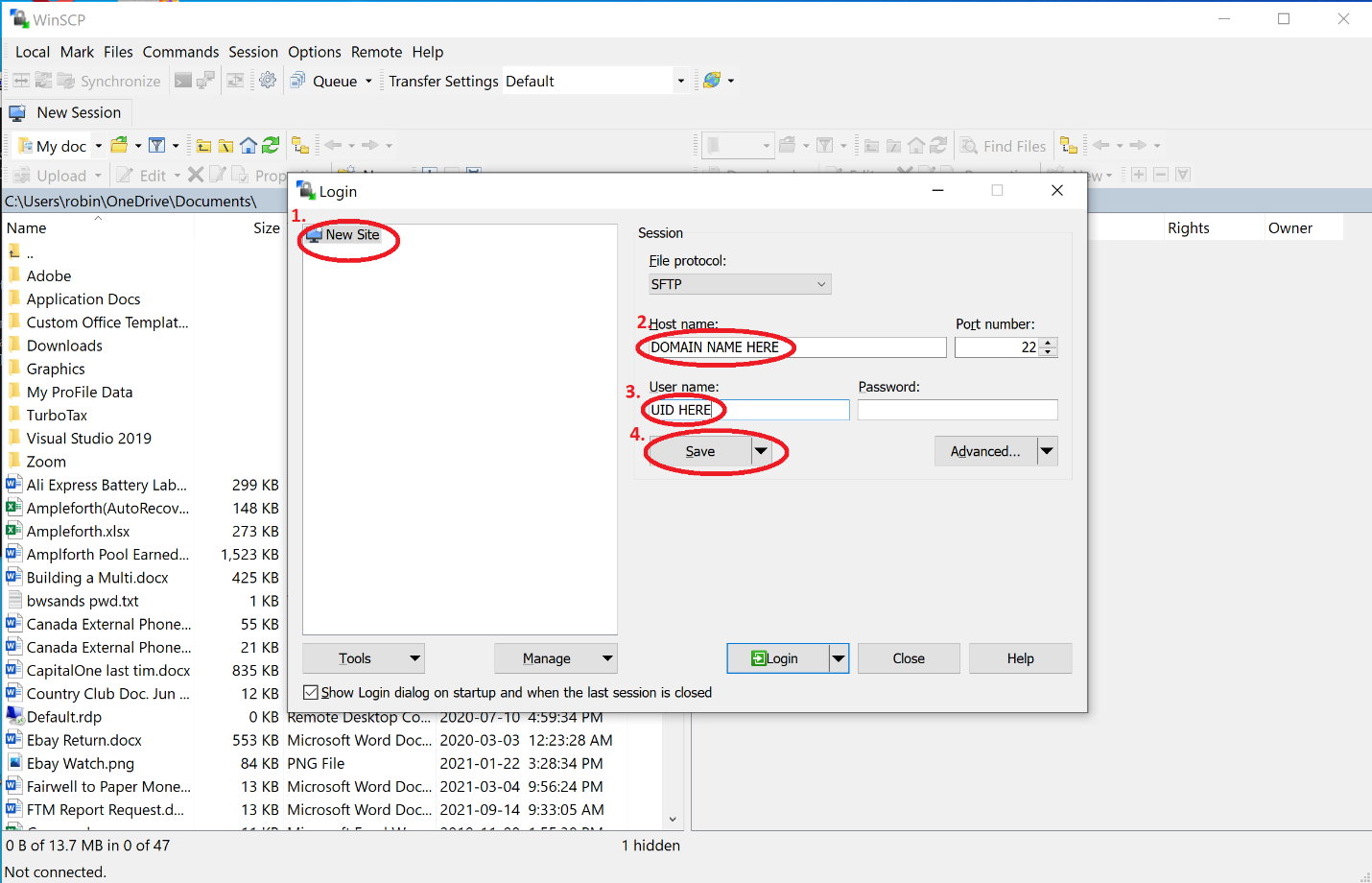
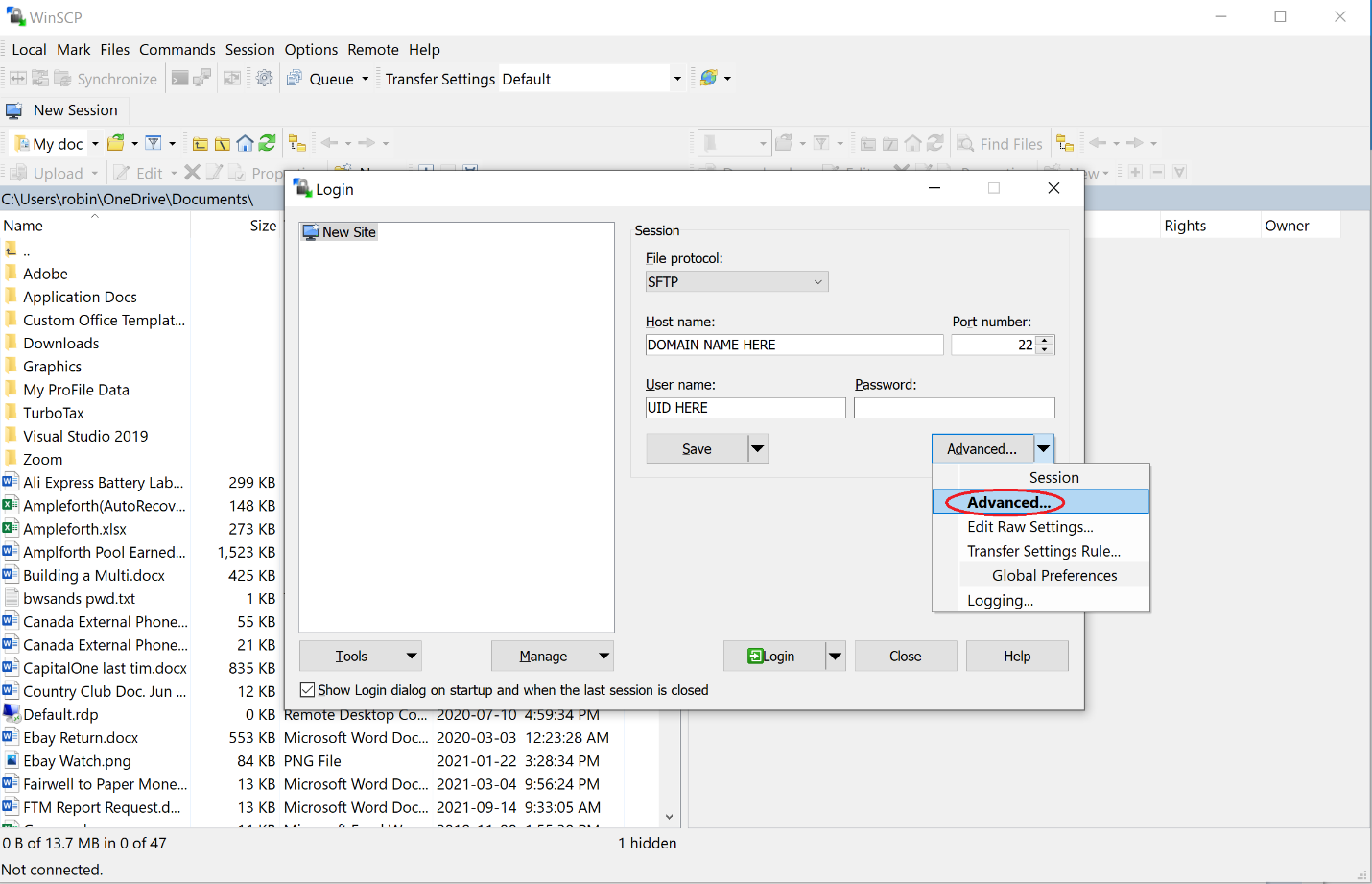
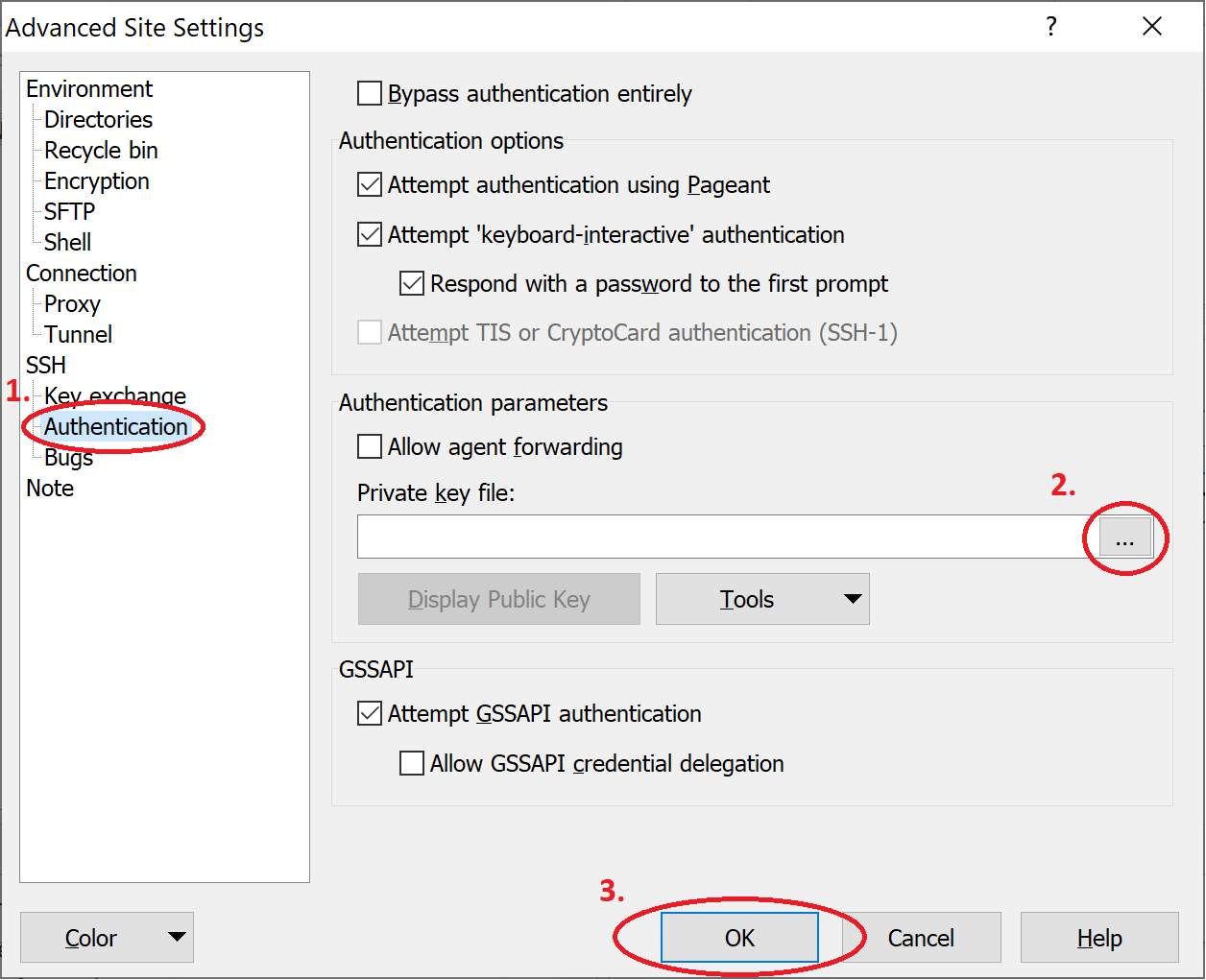
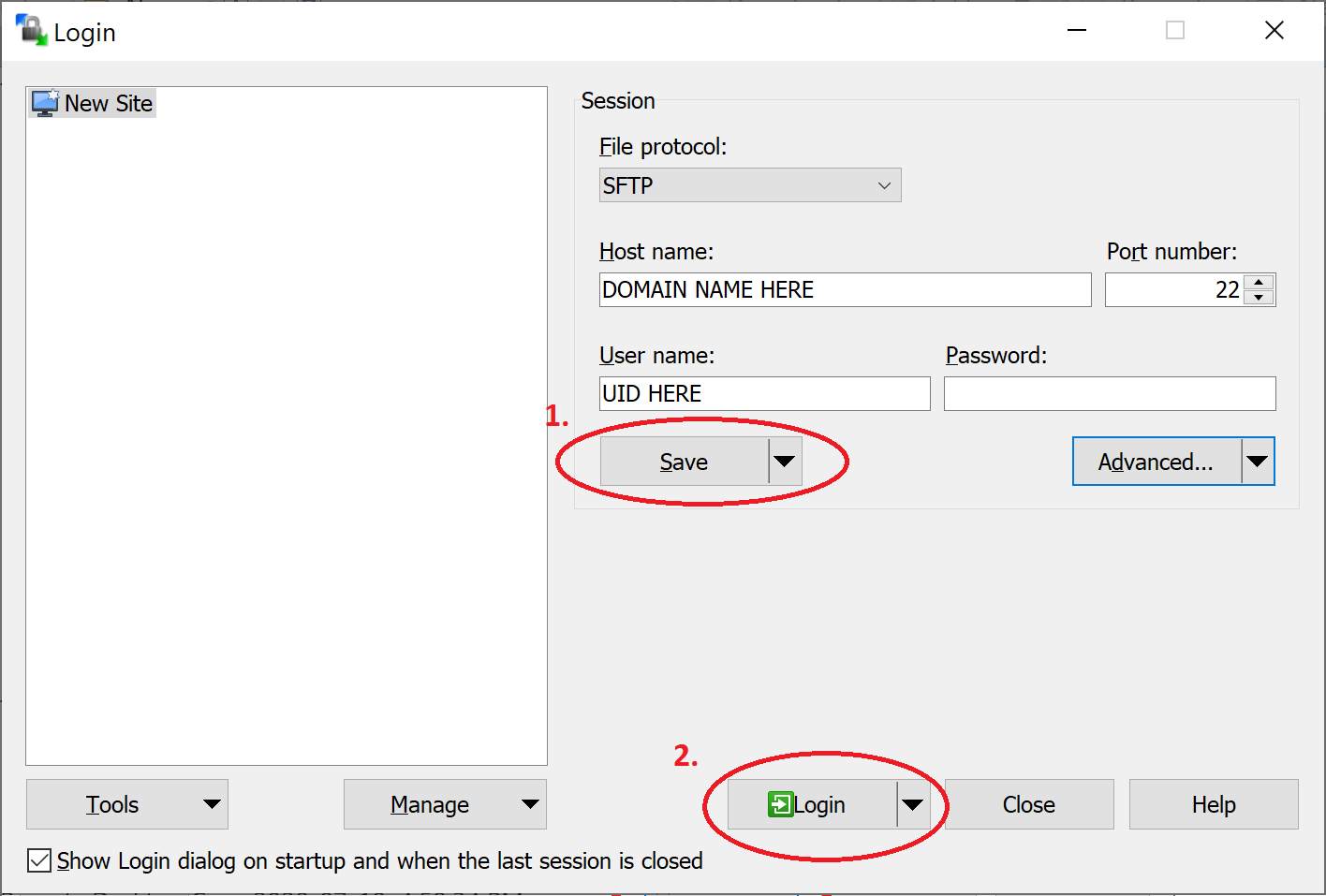
* 1. Open app PuTTYGen on your local PC and select load to open file “UID-privateKey.pem”.
  2. Next save the file as type “UID-privateKey.ppk”. 
  3. Next open PuTTY and save your initial settings using steps 1 to 4 below. 
  4. Next configure PuTTY for ssh access by clicking Auth above. Add your “UID-privateKey.ppk” private key using the browse button.
  5. Next add your login UID for auto login so you will not be prompted when opening your PuTTY session. 
  6. Next select **1** Session and **2** Save as highlighted below. 
  7. Finally click Button **3** “Open” above to get your EC2 access as follows A screenshot of a computer

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## WinSCP Linux Server File Management Access

WinSCP is an FTP, (File Transport Protocol), down/upload SCP, (Secure Copy), cross platform GUI utility application used to transport files between computer systems utilizing SSH key access security.

The following steps are required to set it up for SponsorCoin Development.

* 1. First download the application from site URL <https://winscp.net/eng/download.php>.
  2. Next open the app and fill out sections 1 through 4 below to get your FTP site access below.
  3. Select Advanced to add your SSH credentials
  4. Select **1.** Advanced above, then **2.** browse and select PPK Key file “UID-privateKey.ppk” and click **3.** OK.
  5. Finally click **1**. Save, then **2.** Login to connect.

Conclusion

If complete, we are off to a good start.  Any Issues, do not waste your time unnecessarily, contact a team member for setup support.

So, work at your best pace, but let's make it happen as the rewards for a successful launch could be quite lucrative compared to a 9-5 job.

Crypto is a relatively new technology and will explode over the next decade, so lets be in the game with a product, “Our product”.

sponsorCoin is to crypto what, Patrion is to the internet, and Patrion is a four billion dollar internet company, (look it up yourself).

Let’s make it happen

Robin Melanson

SponsorCoin CEO