# Local Installation of Prerequisites and BlueSpice

* **Setting up ubuntu**
  + Downloaded desktop image of [ubuntu 22.04 LTS](https://releases.ubuntu.com/jammy/ubuntu-22.04.4-desktop-amd64.iso)
  + Downloaded [rufus 4.5 exe](https://github.com/pbatard/rufus/releases/download/v4.5/rufus-4.5.exe) to prepare the bootable device
  + Setup bootable device(pendrive - 64GB), all previous data will be wiped out
  + Restart system in BIOS mode and change boot priority order to bootable device
  + Click on ‘Try and install ubuntu’
  + Click ‘Install Ubuntu’
  + Under ‘Installation Type’ select ‘Install Ubuntu alongside Windows Boot Manager
  + Adjust the space you want to give to ubuntu
  + Give name and password
  + After completing all steps restart, remove the USB drive and hit ‘enter’
  + You will be directed into BOOT menu where you can choose either ubuntu or windows to boot into
* **Installed php 8.1**

In the terminal of ubuntu type the following command:

*sudo apt install php8.1-cli php8.1-cgi*

Verify the installation by checking the version

*php --version*

* **Installed apache2 server**

In the terminal of ubuntu type the following command:

*sudo apt install apache2*

Verify the installation by checking the version

*apache2 -v*

* **Installed MySQL 8.0.37 server**

In the terminal of ubuntu type the following command:

*sudo apt-get install mysql-server*

Verify the installation by checking the version

*mysql --version*

* **Create new user in MySQL** 
  + *mysql -u root -p*
  + Enter password for root user
  + *CREATE USER ‘vrinda’@'localhost' IDENTIFIED BY ‘password’;*
  + *GRANT ALL PRIVILEGES ON \*.\* TO ‘vrinda’@'localhost' WITH GRANT OPTION;*
  + *FLUSH PRIVILEGES;*
* **Setting up Webdriver IO**
  + Install Node js
    - *sudo apt install nodejs*
    - Verify the installation by checking the version

*node -v*

* + - *sudo apt install npm*
  + Create new folder to install webdriver IO
  + In new terminal of VS code, navigate to the newly created folder
  + Run *npm init -y* which creates a package.json file
  + Run *npm init wdio*
  + Answer the questions accordingly and lastly hit *npm install*
  + To check the installation run

*npm run wdio*

* + To specifically run a particular test run the following command

*npx run wdio ./wdio.conf.js --spec ./test/specs/test.e2e.js*

* + Generate allure report

*allure generate ./allure-results --clean*

*allure open*

* **Installing Composer 2.7.7**

*sudo php composer-setup.php --install-dir=/usr/local/bin --filename=composer*

*sudo composer self-update*

*which composer*

*export PATH="$HOME/usr/local/bin/composer:$PATH"*

*composer -v*

* **Installing BlueSpice locally**
  + Go to <https://gitlab.hallowelt.com>
  + Sign in and get the ssh for the application
  + Create a folder in the var/www/html directory to store the application
  + Open terminal there and run

*git clone* copied\_ssh

* + Use the provided mediawiki folder in branch REL1\_39-4.4x.
  + Composer update on mediawiki folder on vs code
  + Ssh key addition steps ➖

*ssh-keygen*

*cd /home/vrinda/.ssh*

*ls*

*cat id\_rsa.pub*

* + Add this public key on gitlab- preferences/ssh-keys
  + Database setup
    - User setup
    - Username- Diya

Password- hallowelt11

* + localSettings.php file to be pasted on mediawiki folder
  + Mediawiki path on vscode terminal run-

*php maintenance/update.php*

* + After that if there will be an error then paste a folder named data(sent through

Mail) on a folder named BlueSpiceFoundation(path-

/var/tmp/html/blues/mediawiki/extensions/BlueSpiceFoundation)...

* + Uncomment these two lines of localSettings.php file.

#Convenience for debugging

$wgDebugDumpSql = true;

$wgShowExceptionDetails = true;

* + Then again run php maintenance/update.php
  + All the errors will be resolved and if you run
  + localhost/blue/mediawiki
  + You have to login with your created username and password.
  + The setup is done.
* **Incase of errors do the following**
  + Downgrade to php7.4 if necessary

*sudo apt -y install software-properties-common*

*sudo add-apt-repository ppa:ondrej/php*

*sudo apt-get update*

*sudo apt -y install php7.4*

*sudo update-alternatives --set php /usr/bin/php7.4*

*php -v*

* + - Remove php 8.1

*sudo apt-get purge php8.\**

* + Install the necessary php extensions if prompted

*sudo apt install php7.4-gd*

*sudo apt install php7.4-zip*

*sudo apt install php7.4-ldap*

*sudo apt install php7.4-mysql*

* + Try stopping and restarting the apache server

*sudo systemctl status apache2*

*sudo systemctl restart apache2*

*sudo systemctl stop apache2*