Steps to setup existing Drupal site on windows computer

1. Technical Specifications used for setup.

   Operating System – Windows
   XAMPP – version 8.1.6 [x64bit Windows] (PHP – 8.1.6)
   https://www.apachefriends.org/download.html
   Drupal – Drupal Core 7.90
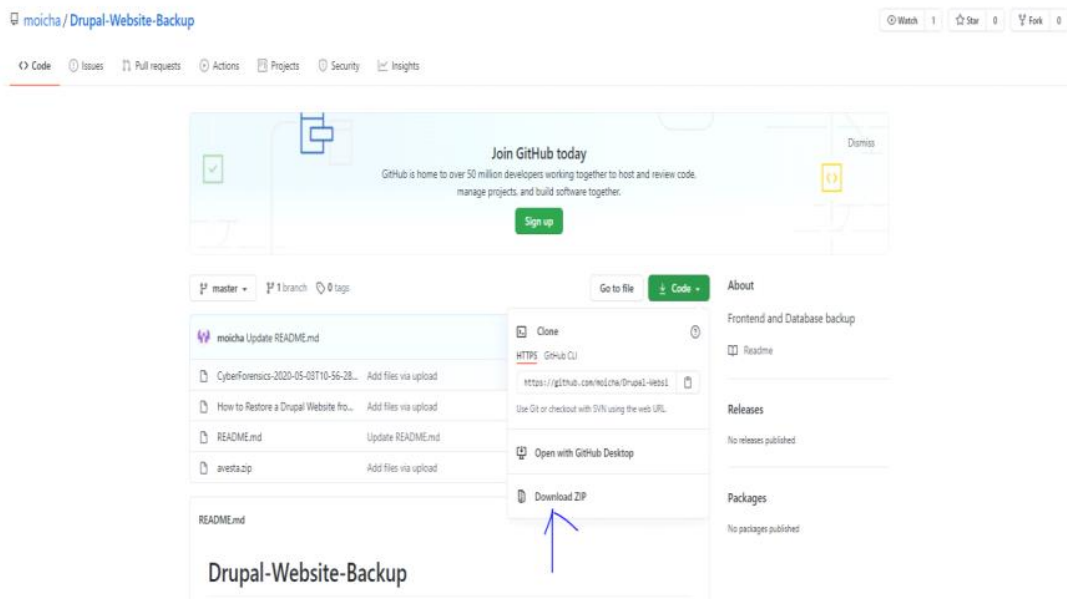   https://www.drupal.org/project/drupal

2. Download github project files and extract them inside a folder.

   Steps:

   - Download the Drupal-Website_backup zipped folder from the following link:

     https://github.com/moicha/Drupal-Website-Backup

   In addition, unzip it at your preferred location.

   (Note: You will find avesta.zip file which should be extracted into avesta folder)

3. Special Notes:
   - Acquia Dev Desktop has been decommissioned in 2021 which is used as underlying server platform for mounting Drupal application along with sql database.
   - As an alternative Acquia is providing cloud-based IDE with subscription charges involved.
   - Also, Acquia has changed traditional file mounting process as shown in this document to a new process where Drupal application is setup on engine like Composer/Drush/Docker etc.
   - To avoid subscription charges, I've used XAMPP (open-source tool) to setup server platform for running Drupal application. This tool provides Apache web server and sql server for running applications.
   - Drupal software has 2 type of setups
     o traditional zip file version called Drupal Core (till v7.x) which can be extracted and run directly on any web server. This gets decommissioned from November 2022.
     o New installable version Drupal (v9.x and more) which should be installed on a server engine like Composer/Drush/Docker etc.

4. Future scope:
   - This project has to be upgraded from traditional zip file (Drupal Core v7.x) to latest installable version (Drupal v9.x)

5. Installing XAMPP:
   - Check if any pre-existing XAMPP software installed on your PC. If so, upgrade PHP version to v8.x or above.
   - Download XAMPP from link provided in Step1 and install the .exe file.
   - After installation is completed, go to installation path and change "C:\xampp\php\php.ini" file. Remove semi-colon ";" in front of line "extension=gd" to enable gd which is required for running Drupal.

```
905    ; 'extension='php_<e
906    ; deprecated in a fu
907    ; move to the new ('
908    ;
909    ; Notes for Windows
910    ;
911    ; - Many DLL files a
912    ;    extension folder
913    ;    Be sure to appro
914    ;
915    extension=bz2
916    extension=curl
917    ;extension=ffi
918    ;extension=ftp
919    extension=fileinfo
920    extension=gd
921    extension=gettext
922    ;extension=gmp
923    ;extension=intl
924    ;extension=imap
925    ;extension=ldap
926    extension=mbstring
927    extension=exif
928    extension=mysqli
```

   - Leave all other settings to default values and go to windows search bar and open "XAMPP Control Panel"
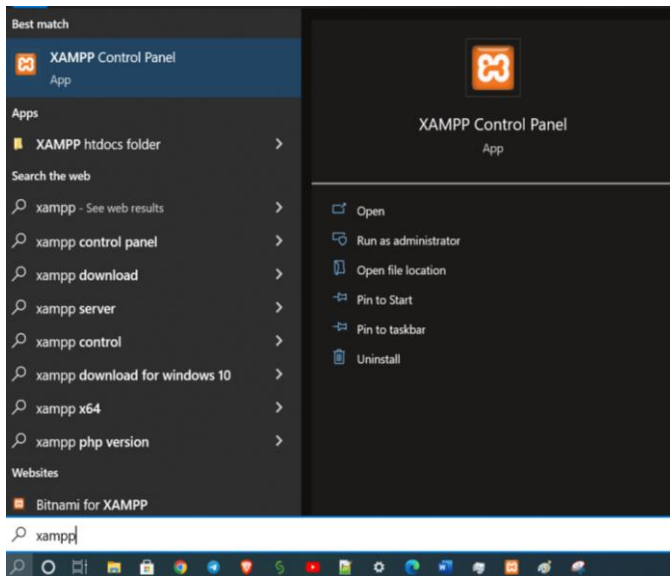
   - Start Apache web server and MySQL server as shown in below screenshot. Leave ports to default values.

   (Note: If any other application is already using these ports, you can edit config file and customize accordingly)
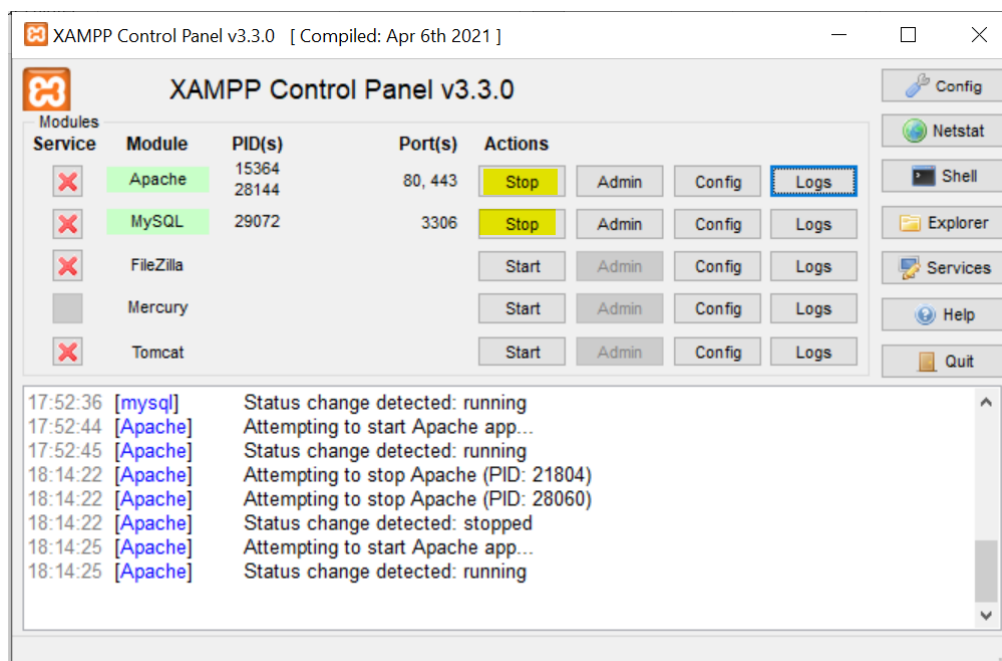
6. Setting up database:

- In continuation of above XAMPP setup, open "XAMPP Control Panel" and start Apache and MySQL servers as shown in above screenshot.
- Click on "Admin" button of MySQL server. It opens phpMyAdmin page on localhost as shown below.
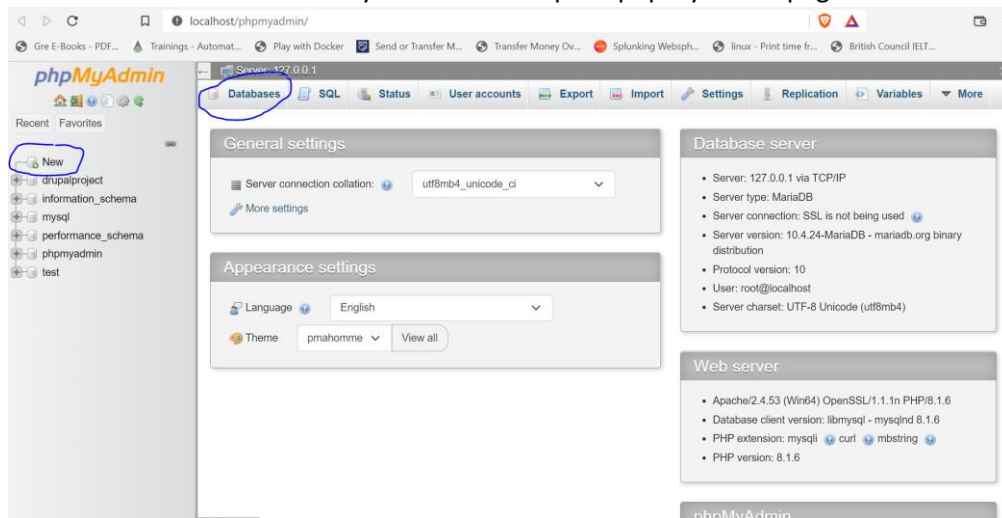
- Click on "Databases" or "New" button as highlighted in above screenshot.
- Put Database Name as "drupalproject" and Collation as "utf8mb4_general_ci" and create a new database.

  (Note: utf8mb4_general_ci is latest encoding format useful for future scope and so is selected intentionally here).
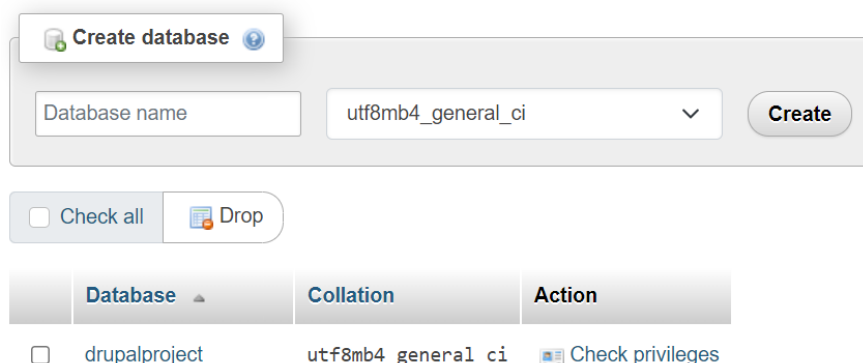
- Now go to drupalproject database, select privileges and click on "Add new user account"
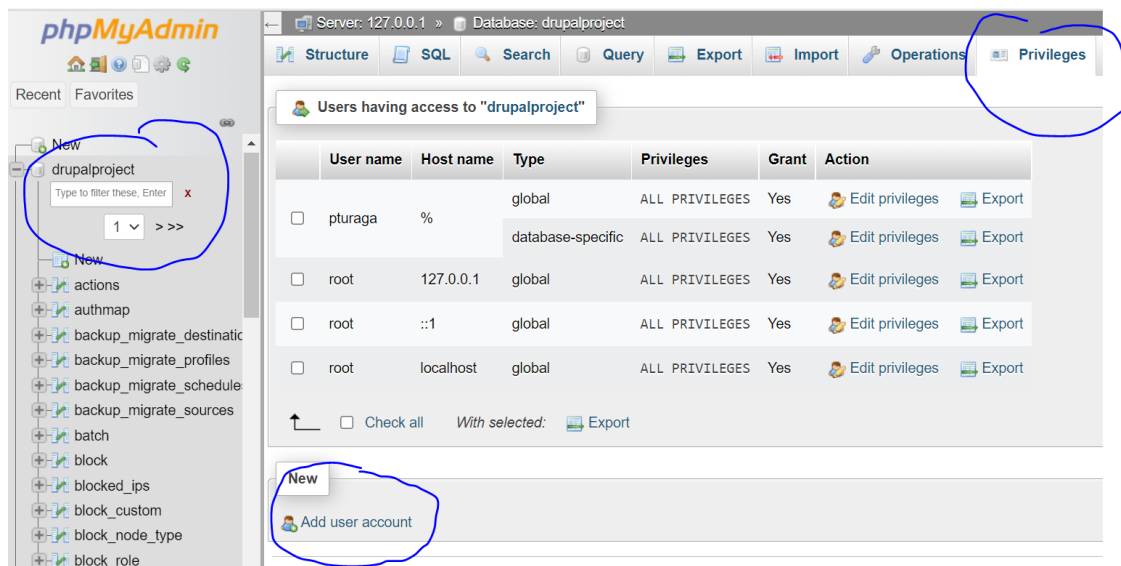
- Put username, password, Grant privileges as Check All and create a new user account. Leave others to default.

- Now go to privileges tab and check if user has all privileges. (You can edit this later according to requirement).
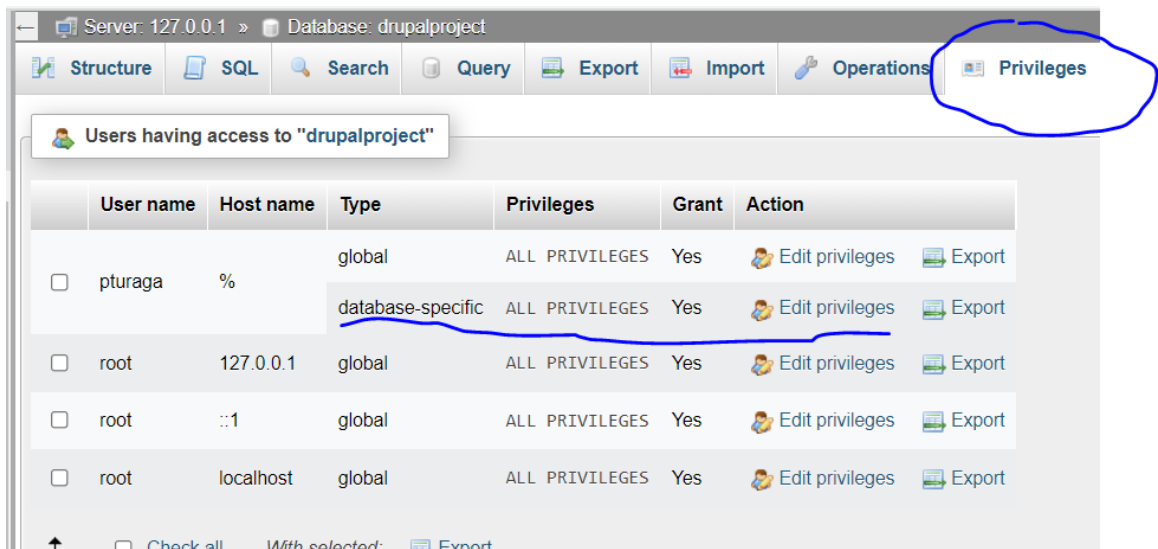
(Note: In case, if database-specific is "No", you can click on "Edit privileges" and tick mark "Check All" and save again. It will make Grant as "Yes")

- Now go to database page and click "import". Here you should select sql file downloaded from github project files (refer Step2 above) and import it with default settings.
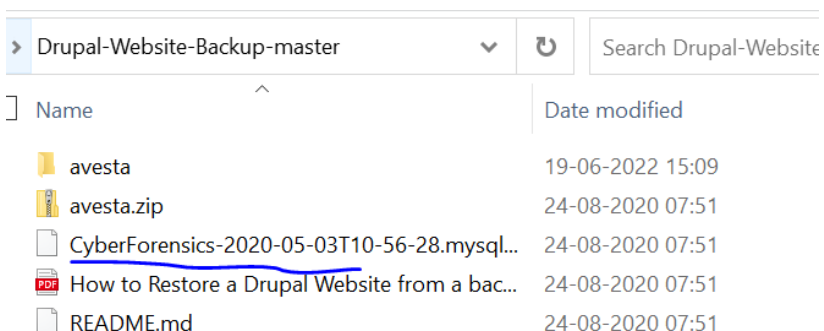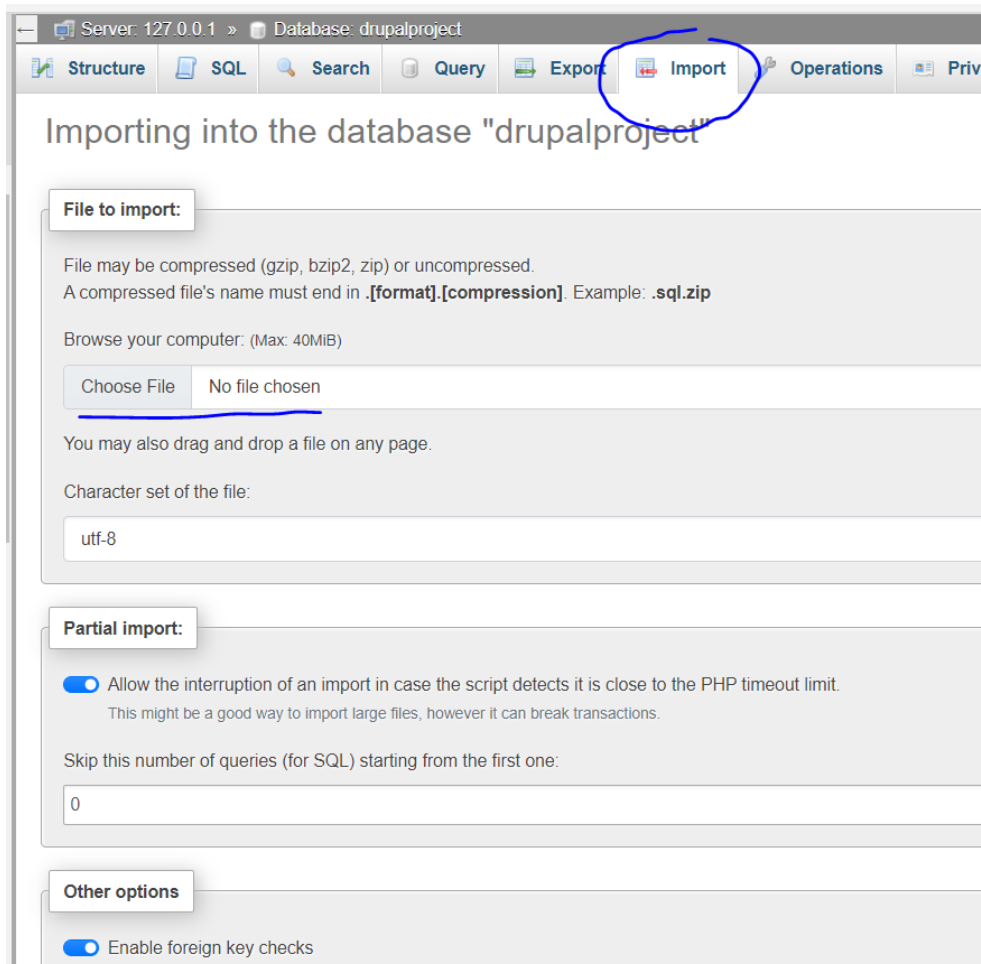
- If you see a successful import screen, database setup is completed. Put a note of database name, username and password for configuring in drupal.

7. Setting up Drupal:
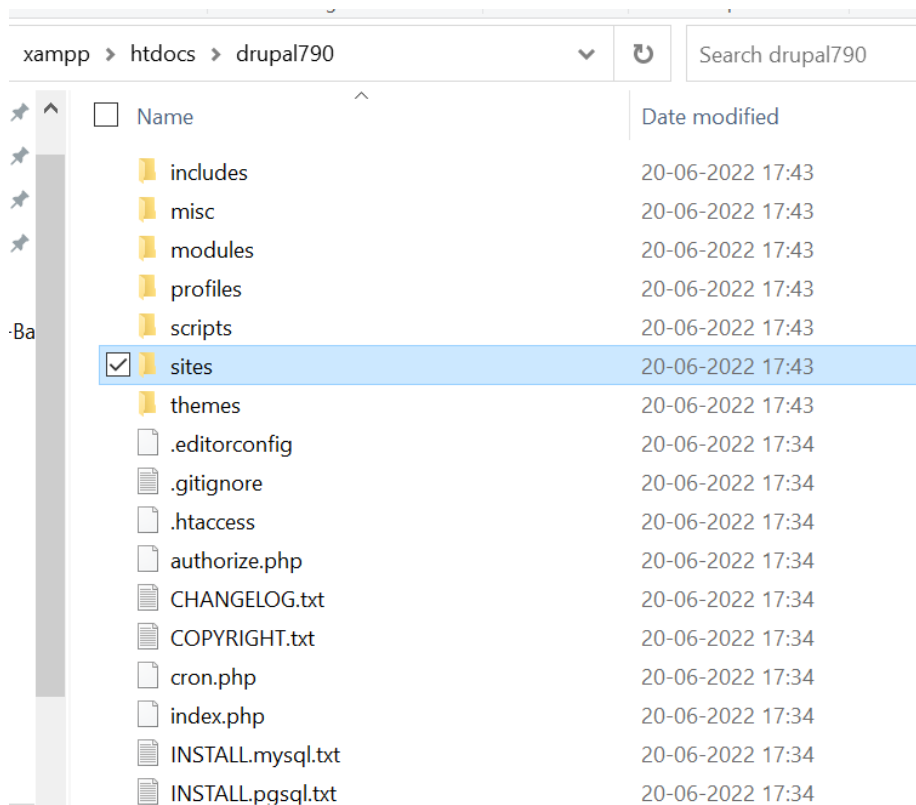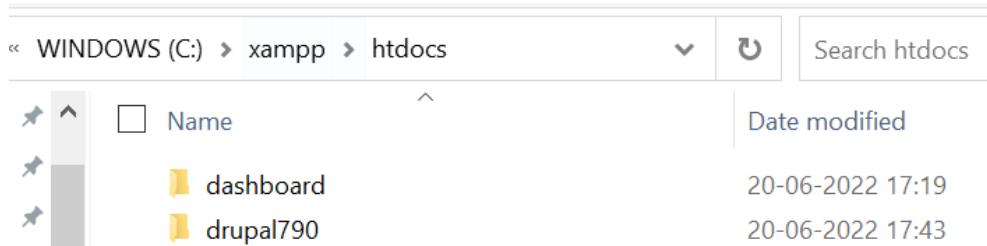   - Inside avesta folder of github project files, search for folder with name as "sites".
    - Now download Drupal Core 7.90 from link provided in Step1.
    - Extract the zip file into a folder.

    📦 drupal-7.90.zip

    📁 drupal-7.90

    - Rename the folder as "drupal790" or any other custom name of your choice and place it at location "C:\xampp\htdocs\" as shown below.

« WINDOWS (C:) > xampp > htdocs		✓ ↻	Search htdocs
☐ Name	^		Date modified
📁 dashboard			20-06-2022 17:19
📁 drupal790			20-06-2022 17:43

xampp > htdocs > drupal790	✓ ↻	Search drupal790
☐ Name	^	Date modified
📁 includes		20-06-2022 17:43
📁 misc		20-06-2022 17:43
📁 modules		20-06-2022 17:43
📁 profiles		20-06-2022 17:43
📁 scripts		20-06-2022 17:43
☑ 📁 sites		20-06-2022 17:43
📁 themes		20-06-2022 17:43
📄 .editorconfig		20-06-2022 17:34
📄 .gitignore		20-06-2022 17:34
📄 .htaccess		20-06-2022 17:34
📄 authorize.php		20-06-2022 17:34
📄 CHANGELOG.txt		20-06-2022 17:34
📄 COPYRIGHT.txt		20-06-2022 17:34
📄 cron.php		20-06-2022 17:34
📄 index.php		20-06-2022 17:34
📄 INSTALL.mysql.txt		20-06-2022 17:34
📄 INSTALL.pgsql.txt		20-06-2022 17:34

(Note: Drupal Core v7.x is pre-configured setup and so doesn't require any installation. Zip file extraction itself creates a Drupal application file system.)
    - Locate the "sites" folder at "C:\xampp\htdocs\drupal790\sites". Now go back to github unzipped Drupal website backup folder location from Step 2 (avesta). Copy files and modules folders present in: **/avesta/sites/default/files** and **/avesta/sites/all/modules** from here and then paste them in your newly created Drupal7 website's "sites" folder "C:\xampp\htdocs\drupal790\sites" under the same sub-directories as written above in bold. This might take some time depending upon the size of the website.

- Now go to "C:\xampp\htdocs\drupal790\sites\default\settings.php" file and edit database connection details.

```php
$databases = array (
  'default' =>
  array (
    'default' =>
    array (
      'database' => 'drupalproject',
      'username' => 'pturaga',
      'password' => 'pturaga',
      'host' => 'localhost',
      'port' => '3306',
      'driver' => 'mysql',
      'prefix' => '',
    ),
  ),
);
```

- Also, set below parameter to "TRUE" in the same settings.php file. We need this for updating Drupal site without any login.

```php
$update_free_access = TRUE;
```

- Drupal Configurations are completed.
- Now restart Apache and MySQL web servers on XAMPP Control Panel.
- Try opening link on browser http://localhost/drupal790/update.php. This will update Drupal with all changes.
- In case, if you face any exception saying that "Fatal Error: Uncaught exception 'RulesEventSet' class not found in ....", then identify the file having error and apply below patch fix in code.
  (Note: For me, issue came in file at
  C:\xampp\htdocs\drupal790\sites\all\modules\rules\includes\<rulesFile>)

```
diff --git a/rules.module b/rules.module
index 16e2ee3..0ed7a35 100644
--- a/rules.module
+++ b/rules.module
@@ -351,7 +351,9 @@ function &rules_get_cache($cid = 'data') {
          }
        elseif (strpos($cid, 'event_') === 0) {
          $cache[$cid] = FALSE;
-          RulesEventSet::rebuildEventCache();
+          if (class_exists('RulesEventSet')) {
+            RulesEventSet::rebuildEventCache();
+          }
        }
        else {
          $cache[$cid] = FALSE;
```

This patch fix was taken from below forum for reference.
https://www.drupal.org/project/rules/issues/2275963

strawman Credit *commented 8 years ago*   #5

I basically followed this thread here:
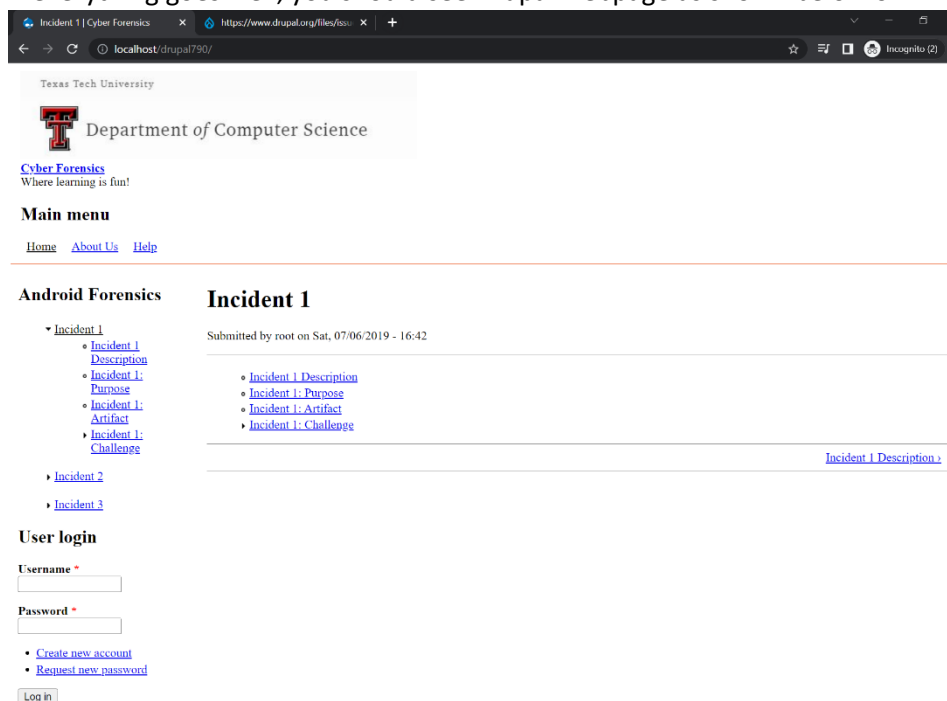https://www.drupal.org/node/1541888#comment-8864473

And applied the patch mentioned in comment 15

All is backup and running apparently even with my recent update to D 7.28 :)
Hope this helps.

Log in or register to post comments

8. If everything goes well, you should see Drupal webpage as shown below on link http://localhost/drupal790

9. Contact:
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