Device Updated Systems

Program (code) to be used:

* Python

Purpose

1. Collect initial data from all drives
2. Update changes in drives

Steps:

1. Detect drives:
   * Script - You choose the drive (for new drives that would be added in the future as well)
   * Service - Auto run on all Networked drives and newly connected hard drives
2. Get folders in immediate directories(projects):
   * Names of the project folders
   * Get(iterate through and update) last modified date and size
3. Put data in correct data structure based on the specified database:
   * Insert New project folders
   * Update/ Alter if changes occur on the drive
4. Connect to Database: It will send the data that has been collected from the connected drives

**Detect Drives**

**Types**

1. Network drives
2. External drives

**Access Methods**

1. Manual – Initial DB setup
   1. Get drive info(name, size..)
   2. Get drive data
2. Continuous(Synchronized) - For networked drives(threaded)
   1. Run as service including startup
   2. Get folder creation event/ get copy event
3. When Detected - For external drives (threaded)
   1. Get event using Win API/ or sth else
   2. Get copy event
   3. Update data scheme