

# Backup Python

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## Problem

I have and see regularly a problem of over-cluttered folders with projects years old. I hope to have this series of scripts solve that by compiling those projects into a compressed and eventually encrypted format. As well I would like the utility of having a more live backup system that syncs local copies and branches in git, without it ever having to go to GitHub.

## Proposal

I propose a python module that serves to hold a backup script and an outer driver script that will unpack the command line parameters that are passed and send it to the module. Then adjacent to the driver, or in a selected directory (through a configuration file, likely JSON format), will be the stored directory where the backup's are stored.

Eventually after the main backup module script is setup, in addition, I will setup a NodeJS server that will receive requests and forward them to the backup driver in the proper format, after sanitizing them.

Next, will be a sub-module that will handle communication with the NodeJS server and allow the user to communicate and send requests, sanitation will happen here as well, before the request is sent.

Finally, encryption and multi-user support will be added for the server-client, and I will implement an archive system that will compress the backup's down and store them way back; then will delete them from the client's computer.

## Timeline

Feature	Start-Date	End-Date	Notes
Initial Setup	2018-12-11	2018-12-12	
Local Backup	2018-12-13	2018-12-14	
Server Middleman	2018-12-15	2018-12-16	
Client → Server			
Encryption: Client → Server			
Archive & Encryption			

**Time-Log**

Date	Start-Time	End-Time	Total-Time	Work (Feature / Topic)
2018-12-11	21:30	22:21	.85 hours	Initial Setup