

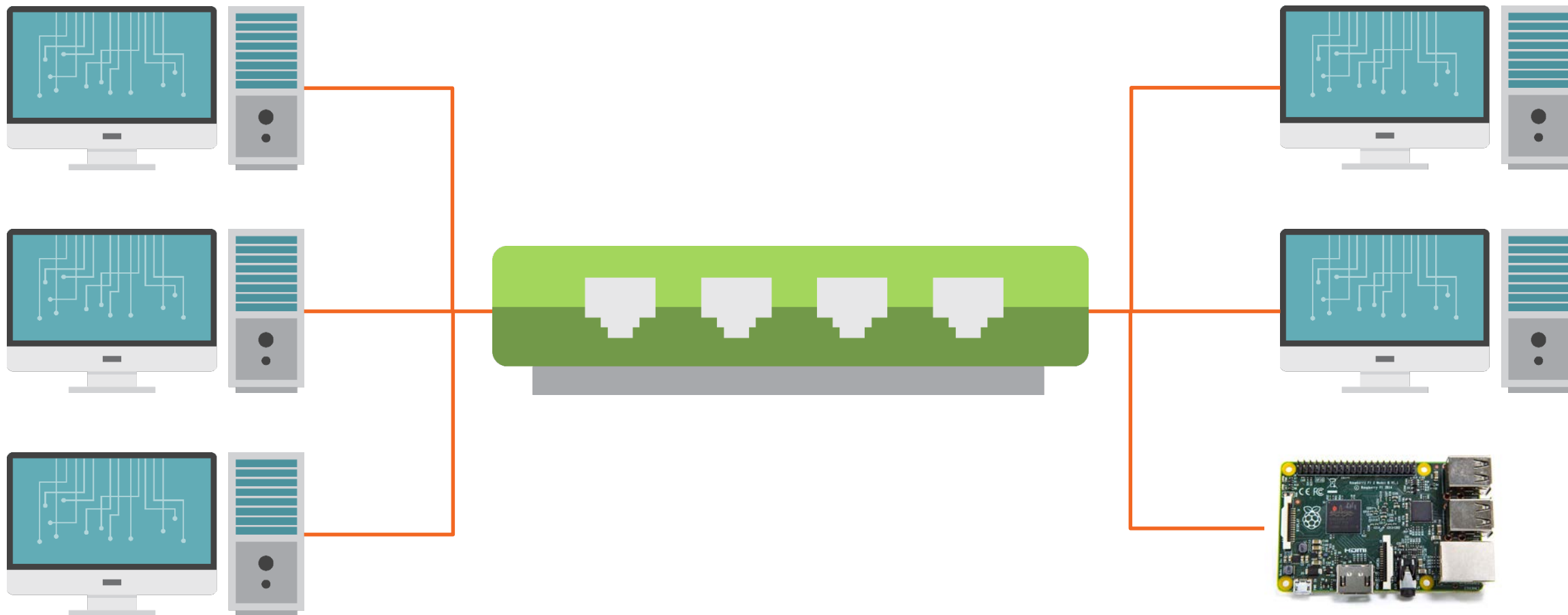
Backing Up the House



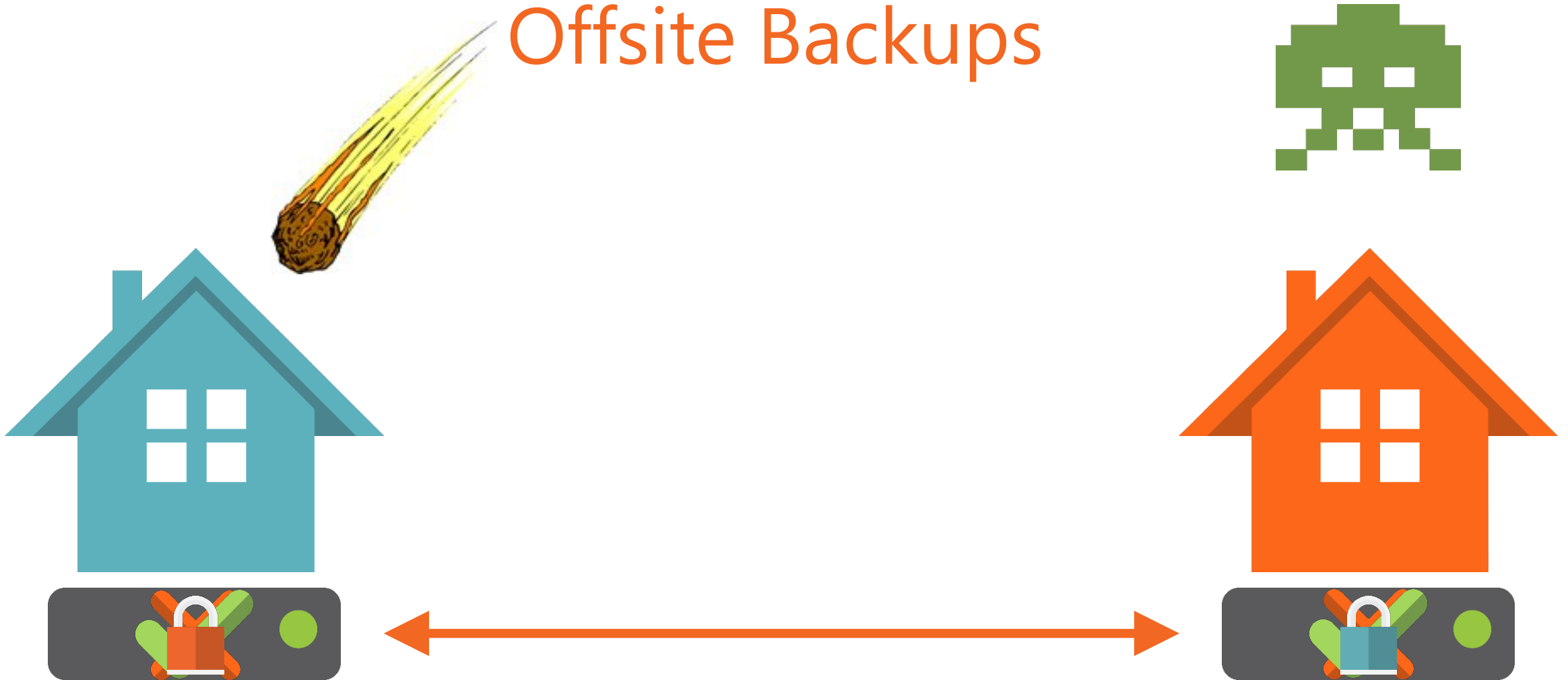
Mel Grubb

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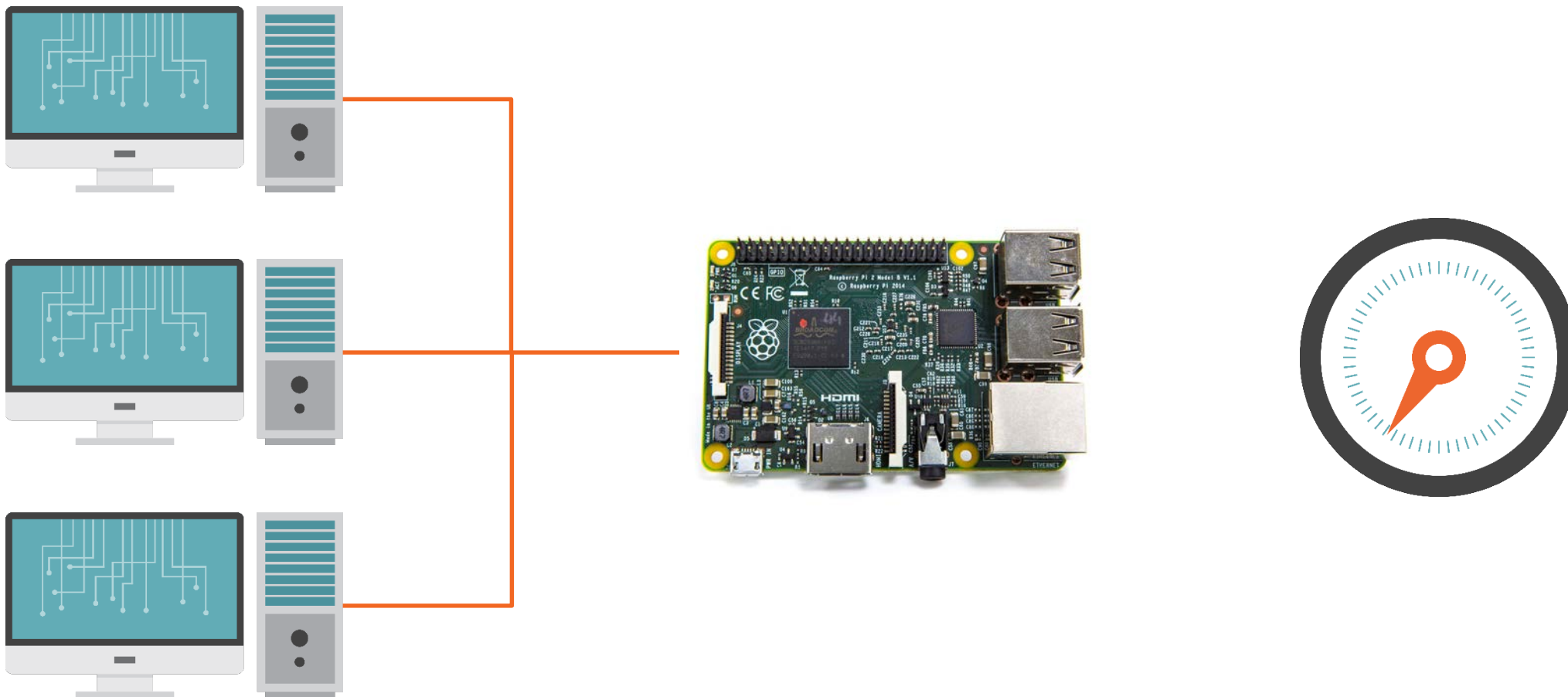
What are the options?



Offsite Backups



What to Expect



Prerequisites

Hard Drive

Samba

Firewall

Simple Fileshare Example

Create folder

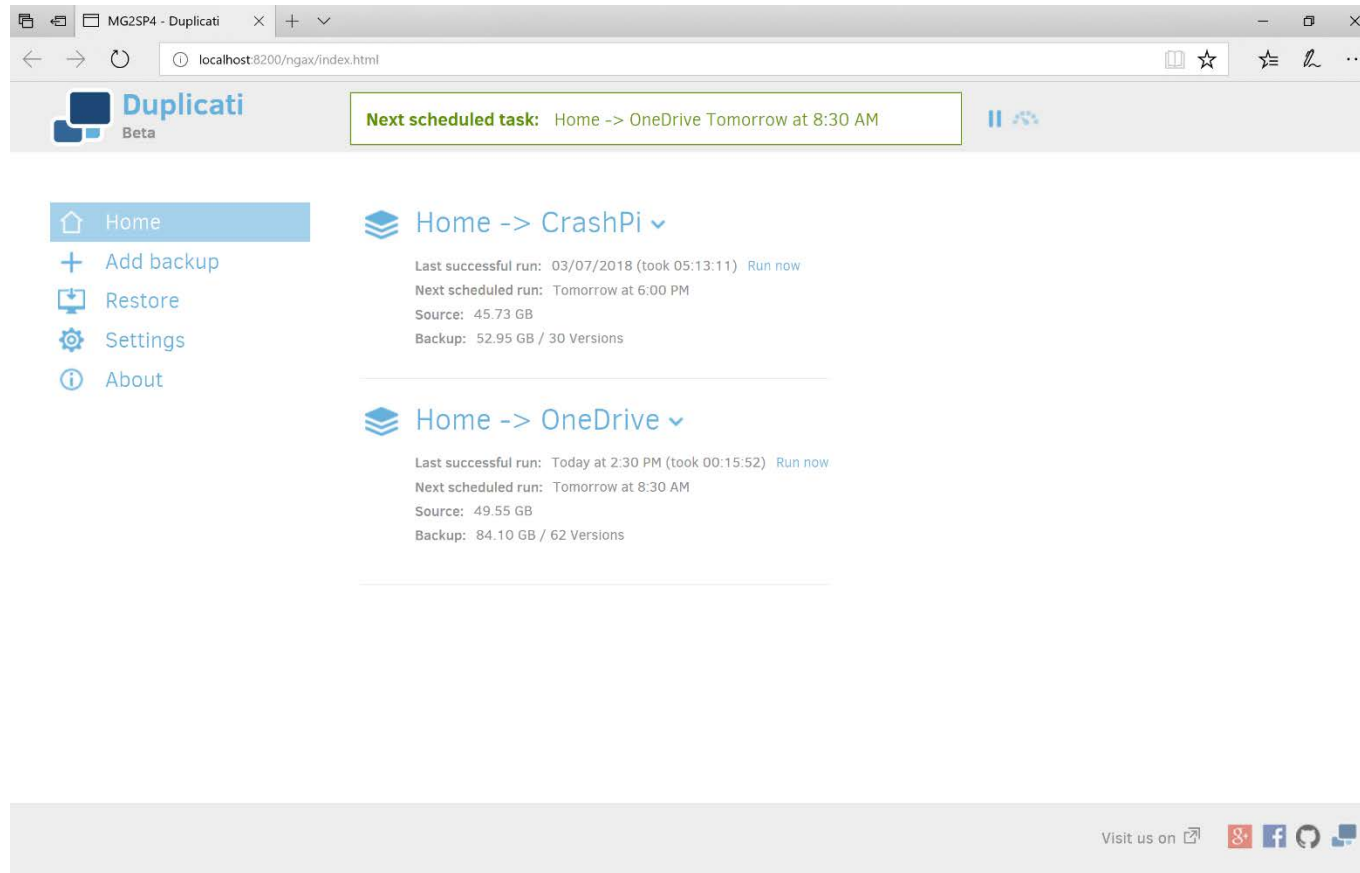
Share folder

Show Windows File History

Show Time Machine



Duplicati



The screenshot shows the Duplicati web interface in a browser window. The browser's address bar displays `localhost:8200/nginx/index.html`. The page header includes the Duplicati logo with "Beta" text and a notification box stating "Next scheduled task: Home -> OneDrive Tomorrow at 8:30 AM".

Left Sidebar:

- Home
- + Add backup
- Restore
- Settings
- About

Main Content Area:

- Home -> CrashPi**
 - Last successful run: 03/07/2018 (took 05:13:11) [Run now](#)
 - Next scheduled run: Tomorrow at 6:00 PM
 - Source: 45.73 GB
 - Backup: 52.95 GB / 30 Versions
- Home -> OneDrive**
 - Last successful run: Today at 2:30 PM (took 00:15:52) [Run now](#)
 - Next scheduled run: Tomorrow at 8:30 AM
 - Source: 49.55 GB
 - Backup: 84.10 GB / 62 Versions

Footer:

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Duplicati Demo

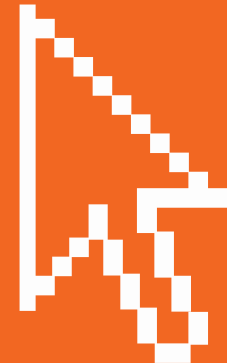
Install Duplicati

Point Duplicati at the same file share

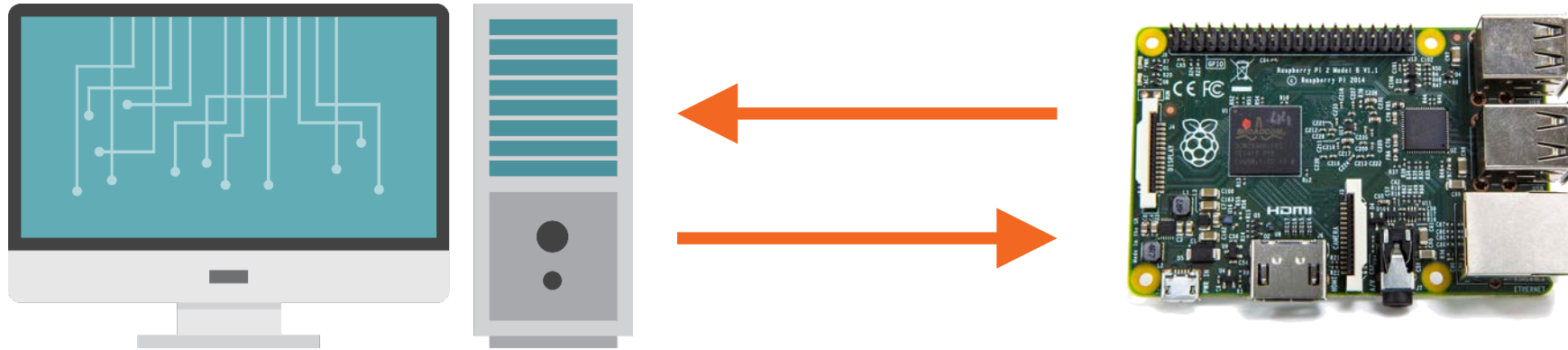


Duplicati Demo 2

Set up Duplicati to use SSH instead



Secure File Transfer Protocol (SFTP)



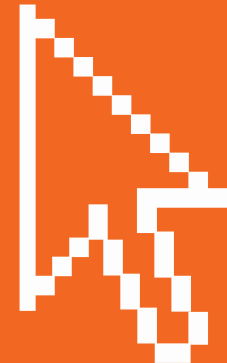
Opening the Firewall



Exposing SSH

Configure SSH to use key-based authentication

Demo while tethered

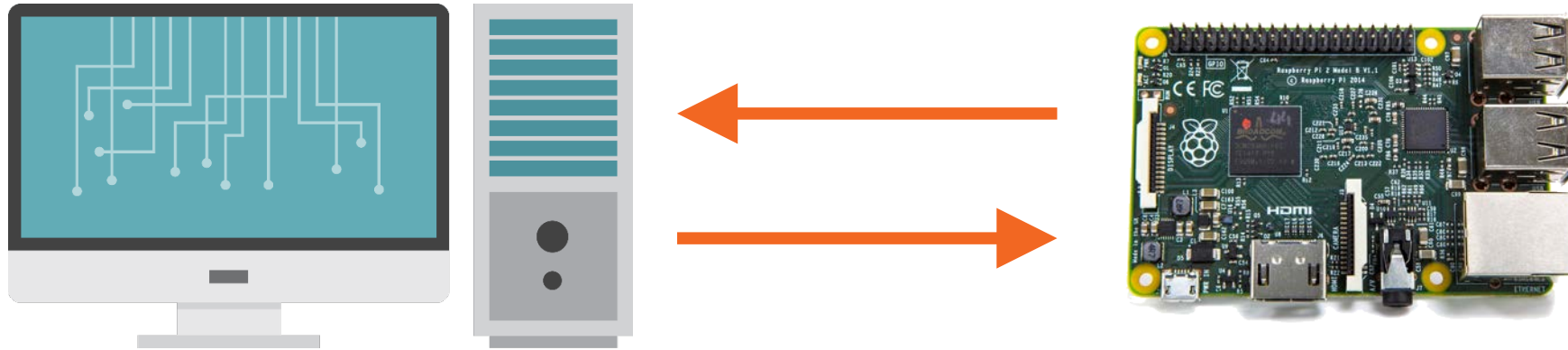


Duplicati Demo 4

Update backup configuration to use SFTP and keys.



Secure File Transfer Protocol (SFTP)



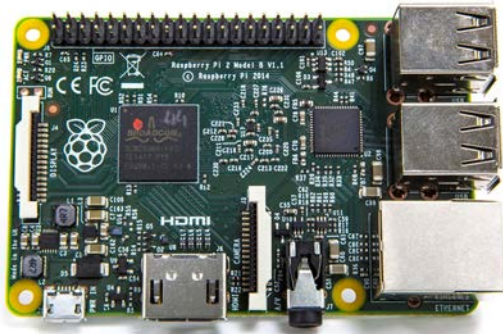
Danger!

Know the risks

Maintain your Pi



Summary



- Used a simple share as a backup target
- Installed and used Duplicati via share
- Used Duplicati via SFTP
- Locked down SSH access
- Exposed SSH port
- Used Duplicati over the internet via SFTP

Make A Backup

Windows

Win32DiskImager

Mac / Linux

```
sudo dd if=/dev/diskn of=~/.pi.img bs=1m
```



What's Next?

OpenVPN