



Hotspots!

Spreading the joy

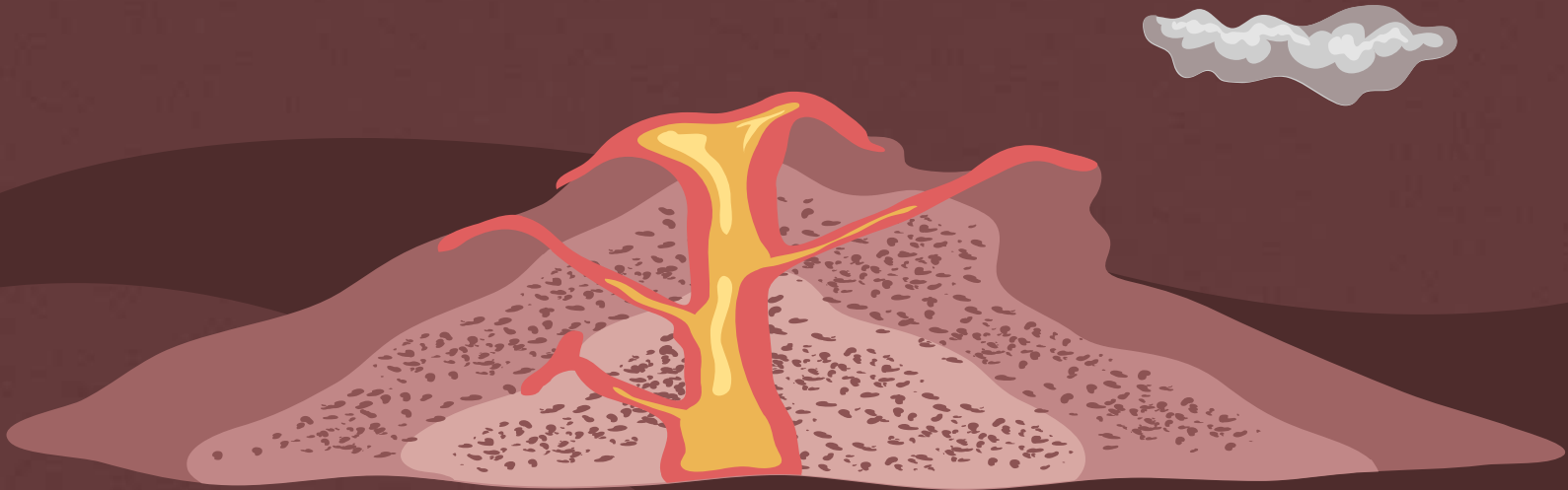
WHY



- Connect Users to the internet using your Host while mobile
- Provide your Host's firewall protections to Users
- Provide a local network between Users

What

- An app or service;
- Provided by a general purpose device like a phone or computer [the Host];
- To give access by other downstream devices [Users] to the internet or network connected to the Host.



How on Android

- Settings ⇒ Network & Internet ⇒ Hotspot
- Hotspot & tethering ⇒
 - WiFi hotspot
 - USB tethering – use USB cable to User
 - Bluetooth tethering
 - Ethernet tethering – use USB to ethernet cable to User



Android Wifi hotspot entries

- Hotspot name – you choose
- Security – use WPA2/WPA3-Personal
- Hotspot password – long, easy to type
- Turn off hotspot automatically
- Speed & Compatibility
- Instant Hotspot – only for devices all connected to the same google account
- Then, connect on Users devices wifi screen



iPhone / Cellular iPad



- Have Users nearby, wifi, bluetooth On
- Settings ⇒ [Cellular ⇒] Personal Hotspot
- Allow Others To Join
- Set password: long, easy to type
- Connect on Users devices
- [tethering] If asked on Host to trust this computer, tap Trust.
- [bluetooth] On Host, Settings ⇒ Bluetooth Pair on Host with Users device

Problems?



- Maybe your cellular ISP forbids hotspots without an additional cost.
Check with them
- Update OS [Operating System] on Host, Users to latest
- Host features that depend on wifi, like backup, may not work until Hotspot off

Wrinkles

- On Windows, you can use NetSetMan to automatically change between wifi and ethernet connections
<https://www.netsetman.com/en/freeware>
- On MacOS, use Network Locations



Questions?

