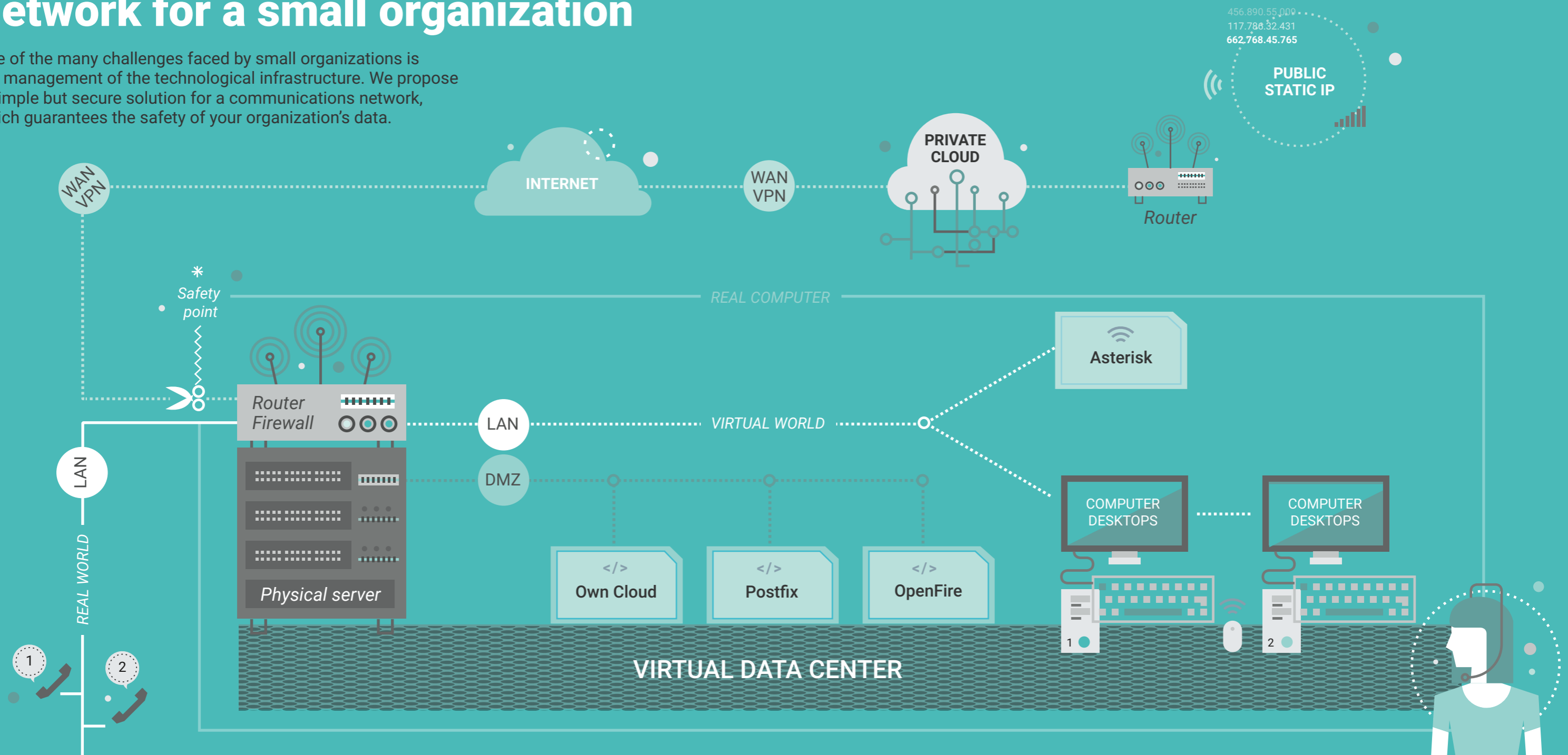


Setting-up a secure communications network for a small organization

One of the many challenges faced by small organizations is the management of the technological infrastructure. We propose a simple but secure solution for a communications network, which guarantees the safety of your organization's data.



1. Installation of a **physical server** in which the virtual data center, the router/firewall and the data management services will be set-up.

2. Creation of a **virtual data center** on VirtualBox.

3. Installation and configuration of a **Linux router/firewall** managing WAN, LAN and DMZ, on the virtual center that has been created.

4. Installation and configuration of basic **data management services**:

- > Document Sharing (OwnCloud)
- > IP Voice (Asterisk)
- > Messaging (Openfire)
- > Email (Sendmail or Postfix)

5. Provision of a **fixed IP** through the use of a Router hosted in a Private Cloud accessible by means of a VPN (OpenVPN with the use of autosigned certificates) which performs NAT between address spaces.

6. **Virtualization of desktop computers**, using remote desktop protocol.