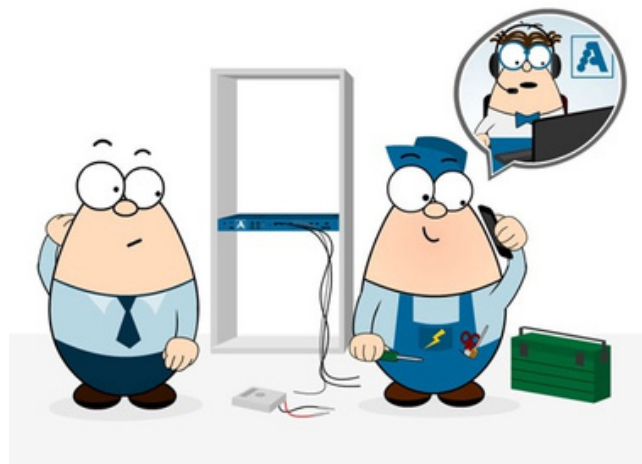




- system **complexity too high**
- **over-reliance** on third parties

May we present  
a **better** alternative?



 **abilis**

- all-in-one appliance, feature rich
- **reliable**, embedded system
- **programmable**
- easiest for **remote** assistance
- enables you to be **autonomous**



## **Use and control several alternate providers, concurrently**

We place a virtual ABILIS router in an Internet 'stronghold' and connect it to your VPN as its main Internet gateway. Then we connect your sites to it with multiple lines, chosen to obtain the best available network diversity, and use them all together.

Your public IP addresses become those of the stronghold. They do not change when lines in the branches are changed.

## **Benefit from mass-market HW and Services for your own purposes.**

The ABILIS device is a low-power PC based on intel x86. Its embedded firmware allows ordinary operations to be performed using only a minimal part (typically < 5%) of its total computing power. This leaves plenty of room for adding special functions. In addition, the huge offer of PC add-ons provides the opportunity to take advantage of extremely convenient computer parts for own professional purposes.

## **Automate your systems privately, do not depend on the Internet!**

ABILIS controls thousands of wired (LAN) and wireless (WLAN and 868MHz) slave devices serving sensors and actuators. Sensors operate 'on interrupt' rather than 'on polling' and offer response times of down to 10 msec. Automation rules are programmable in LUA language or by means of 'spreadsheets' (the relative LUA program is generated by abilis). An embedded DB, suitable to hold millions of events allows to write rules using past readings and feeds a comprehensive diagram generator. In case of alarm, the alert-module of abilis is at hand!

## **Place a VPN router of your own next to your in-Cloud servers.**

The main user of cloud services is often the same company publishing them, hence the connection to them becomes strategic.

By installing a virtual ABILIS router in the same environment (AWS, AZURE, ...) where services are deployed, publishers establish a strong multi-line VPN connection till to their servers.

## **Master the technology you depend on, at your premises.**

Reducing the complexity of the IT system obviously increases the ability to drive and control them, that is, both by users and by their remote assistants.

System-complexity often can't be justified by real users' needs, but rather by those of system-integrators, who often bring huge libraries into their projects in order to achieve results faster. Abilis is an embedded system where what is needed (and only it) is there, has been written by antek, in C++.

## **Check what happens and allow or deny, as you prefer.**

The administrator views the origins or destinations of data-traffic sent/received by each LAN host and controls a Blacklist and a Whitelist. Every two hours the Blacklist is updated with the IP addresses that public servers fighting cyber-crime advise to keep clear from.

The embedded SMTP RELAY service filters incoming spam and malicious emails. The embedded IP-Shaping recognises and gives low priority to M2M traffic.

