

Cloud SOHO Services

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Observations

- Small Office/Home Office to be prominent in the coming years
- Fast and reliable Internet connectivity is essential for any business
- People don't want to (and can't) configure things

Concept

- Move network functions to the Cloud
- Use the CPE as a simple bridge
- Use LISP to seamlessly connect SOHO network to the Cloud

Demo

Lessons learned

- It works!
- but...

Lessons learned

- LISP is not fully ready for NAT and ACL/firewall
 - Multihoming may be an issue
 - Map-Request/Map-Reply scheme to be rethought
 - NAT/ACL traversal with TCP?

Lessons learned

- Lack of a “zeroconf” capability
 - compensated by API

Lessons learned

- Lack of built-in monitoring/measurements capability
 - compensated by API

The Cloud SOHO Services re-charter dream

- Bulletproof NAT/ACL/firewall traversal
- Zeroconf functionality
- Monitoring/measurements capability

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