Unleashing prpl by transforming the home gateway ecosystem for home services revolution

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Unleashing prpl: transform the carrier-grade home gateway ecosystem for home services revolution

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Pioneering the future of carrier-grade home gateway ecosystem

The secret ingredients:

- A robust, dynamic open-source foundation powered by OpenWrt
- Fundamental adaptations to meet the service providers needs:
  - Standardized High-Level APIs: build on TR-181 data models and modular architecture
  - Dynamic Configuration: adapts in real-time
  - Standardized Low-Level APIs: expand Linux standard API through hardware manager abstractions to cope with SoC vendor diversity
  - Built-In Container Life Cycle Management: streamline operations

Benefits to our industry:

- Reduced time-to-market and improved quality: minimize fragmentation and duplication, forge a unified carrier-grade core
- Unlock the power of applications: encourage differentiation beyond hardware, thanks to industry-standard APIs

SoftAtHome contributions to making it a reality (since last prpl summit)

- 20+ contributions accepted to BBF TR069/181/369 specs
- 92% prplOS, 35% prplMesh, 47% prplLCM of all code commits
prpl is real: engage and make it a success!

Govern/steer the community: set business requirements

Upstream! Contribute

Telco

Strive for processes / network architecture standardization to rationalize ecosystem

System Integrator

Open virtuous distributed collaboration framework

3rd party apps dev

Ensure portability and security (std APIs/non privileged containers)

SoC/ODM

Adapt SDK/BSP to Linux standard low layer API and interface to prpl hardware managers vendor modules

Prpl's ever-evolving ecosystem demands a dedicated maintenance track for continuous software upgrade, ensuring reliability, peak performance, and security.

"Stop the Fork, before it eats you"
(jedi4ever github)

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