

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



Marc de Courville

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SoftAtHome  
VP Engineering



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## SoftAtHome / prpl summit 2023

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

Marc de Courville, SoftAtHome engineering VP

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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



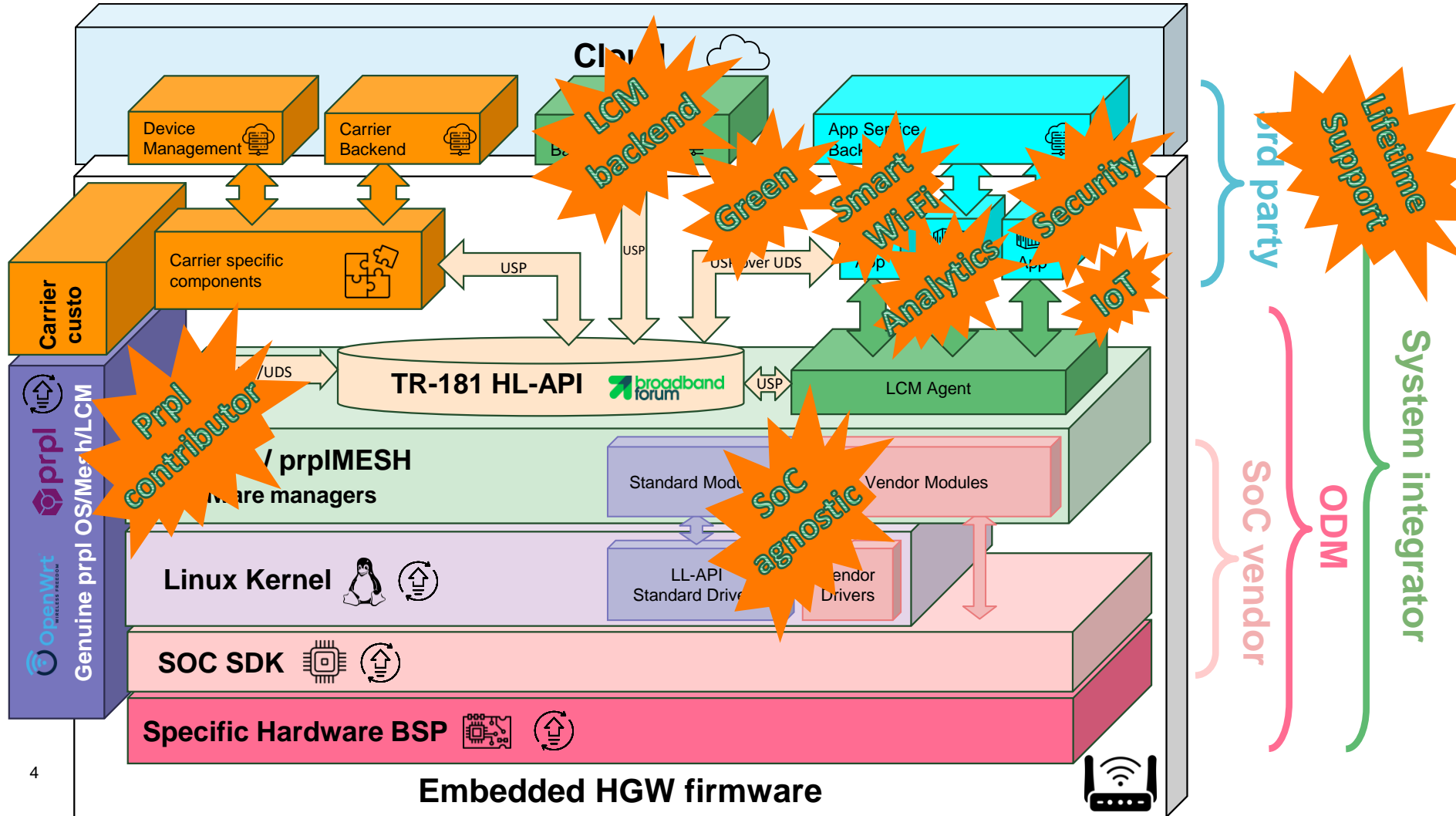
## / Benefits to our industry:

- / 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



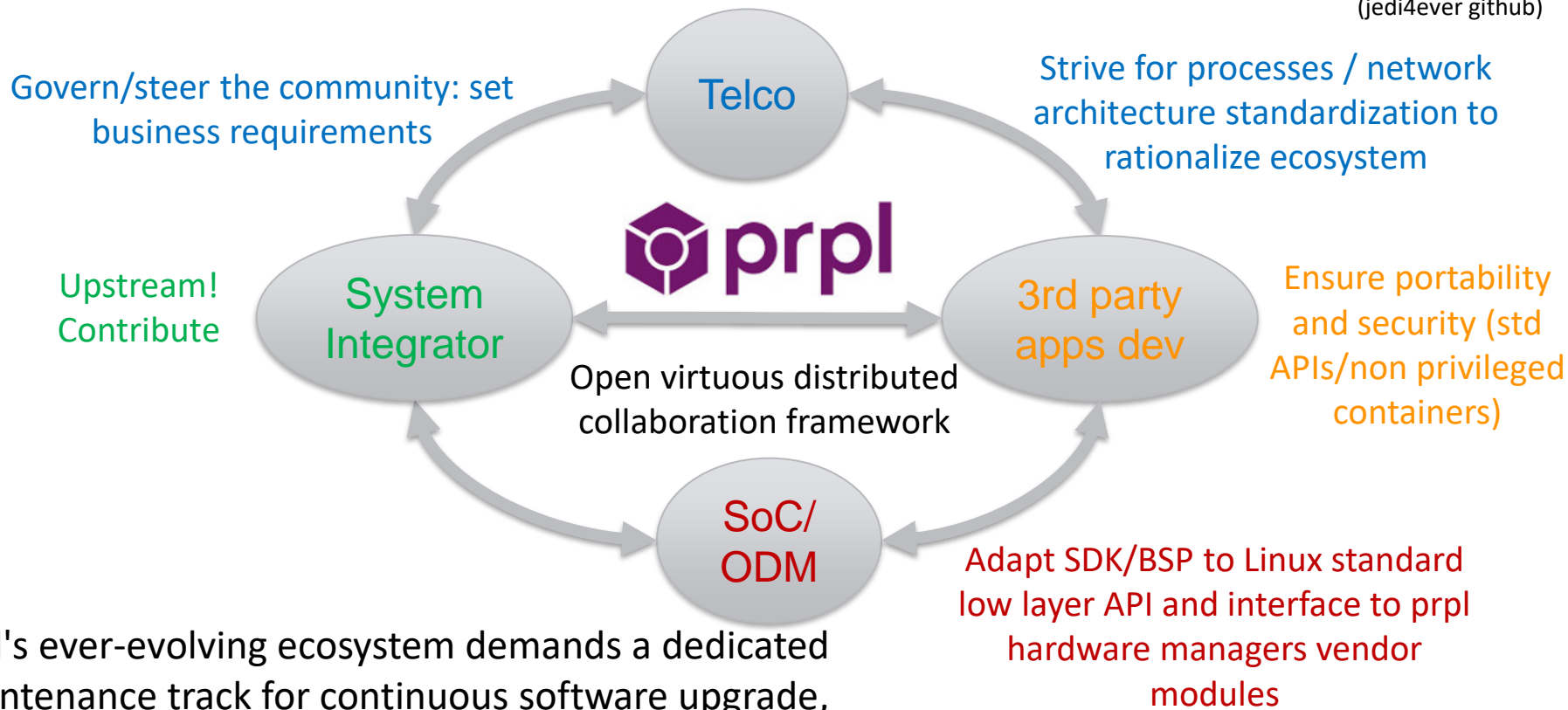
## / SoftAtHome contributions to making it a reality (since last prpl summit)

- / 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 !

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



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



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For more information about  
**SoftAtHome**

**Corporate Headquarter**

9 rue du Débarcadère  
92700 Colombes  
France

**United Arab Emirates office**

Building 6EA office 207  
P.O. Box 371438,  
Dubai Airport Freezone  
United Arab Emirates

**Belgium office**

Vaartdijk 3 701  
3018 Wijkmaal  
Belgium