CLOUDIFICATION OF HOME WI-FI ACCESS POINTS

New business models and opportunities

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AGENDA

EVOLUTION OF HOME WI-FI 2005-2020

NEW CHALLENGES, ARCHITECTURES, AND OPPORTUNITIES

CLOUDIFICATION OF HOME WI-FI ACCESS POINTS

THE INDUSTRY PERSPECTIVE
The Home Wi-Fi Evolution

Shift in expectations from Wi-Fi speed to Wi-Fi anywhere

**2005–2015**
- **Great** speed near the access point
- Super MIMO monolithic access point

**2016–2020**
- **Good** speed in every room
- Distributed “multi room” access point
NEW CHALLENGES

Range extender

Broadband gateway

Privacy hole

WPA2

WPA2
5G capacity will rely on greater densification... Carriers will deploy many more small cells, homespots, and hotspots with a coverage measured in meters.

5G looks to be following the experience of Wi-Fi ... unlicensed spectrum enables Wi-Fi to simply address a broad range of multi-operator use cases ... enabling the vertical to operate as the Neutral Host provider, using a shared Wi-Fi infrastructure.

Non-customers could generate useful incremental Wi-Fi revenue ... Wholesales Wi-Fi offers significant revenue from a diverse range of players.
Home Wi-Fi is evolving with distributed architectures of multi-room access points.

The Cloud WPA architecture can deliver secure, end-to-end community access over any home networks—legacy and modern.

Cloud WPA is a way for virtual service providers to provide secured Internet access over neutral host home Wi-Fi.

The potential for service providers is enormous—from cost-effective 5G and smart cities to new revenue models and services.

Look for the results of Intel's Cloudification pilot with industry partners in early 2018.
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