

Scope and goals of the project

- We reach the limits of the current Wi-Fi infrastructure (support, feature, design, etc...)
- Need for a full coverage of all office buildings across CERN campus (~200 Blds - ~4.000 APs)
- High density coverage
- High performance Wi-Fi network
- Centralised configuration and monitoring tool
- Seamless roaming within the Wi-Fi coverage area (inside and between buildings)
- Guest Wi-Fi

Solution overview

- Controller Based Wi-Fi infrastructure (centralised configuration, RF settings automations, Guest traffic isolation)
- 802.11ac Wave1/2 to provide the best performances available today
- Interconnection with our existing tools (for configuration automation and high-level monitoring)
- Large project with impact on Building infrastructure (new cabling, new switches, etc...)
- Pilot on going, deployment expected beginning of 2017