

PySCHC Implementation

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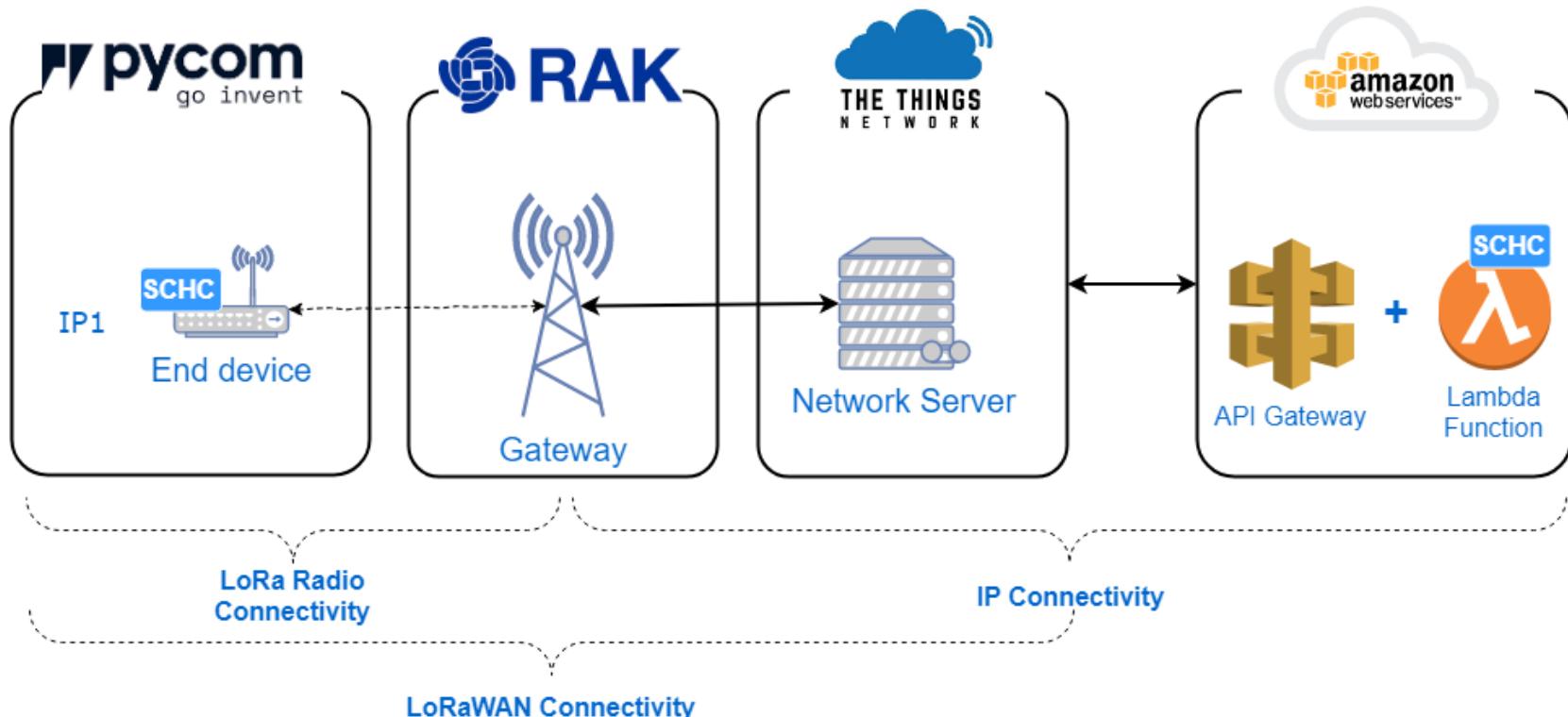
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Status update

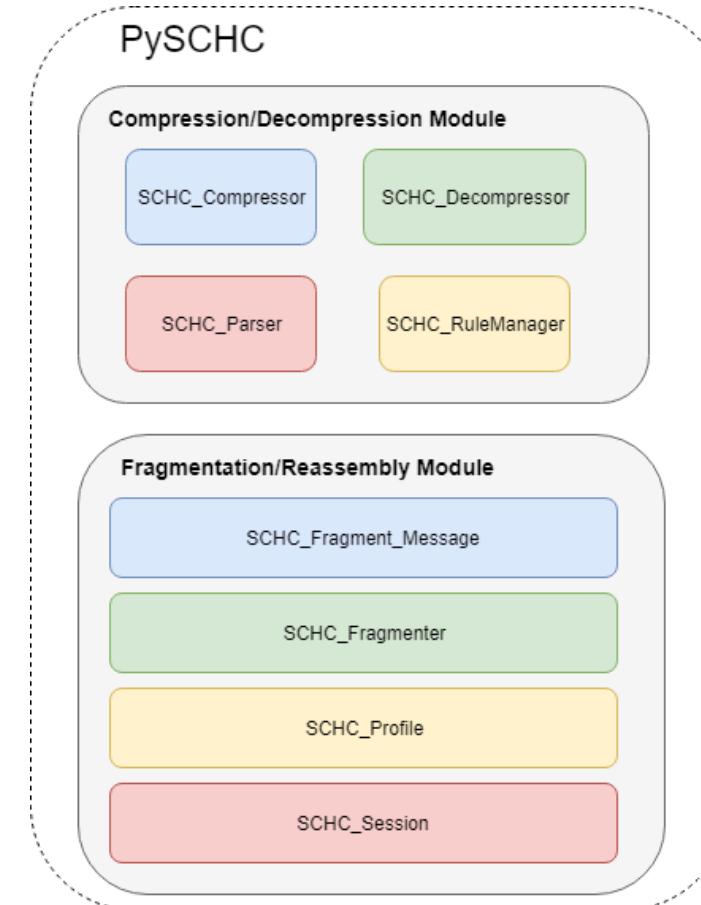
- Implementation Architecture
- Implementation Status
- Next Steps

Implementation Architecture



Implementation Status

- PySCHC
 - Compression/Decompression Module (90%)
 - Fragmentation/Reassembly Module (50%)
- Implementation
 - Communication between TTN and AWS is with HTTP REST
 - Supports uplink and downlink messages with compression
 - The testing environment only includes compression
 - The rules are created outside the modules and are loaded into the SCHC_RuleManager



Next Steps

- To finish the C/D Module
 - Implement *mapping-sent CDA* and *LSB CDA*
- To finish the F/R Module
- Testing environment
 - test downlink compression messages (From AWS to Pycom LoPy4 module)
 - send a message from a node on the Internet to the SCHC module in AWS, so that end-to-end communication is complete