The SNAP Thing Platform just got more powerful.

Why re-invent the wheel? Synapse understands that interacting with mesh networks requires complex programming at the gateway to gather data and issue commands along with deploying solutions and managing the devices. SNAP Thing Services is a collection of modular software that provides configurable solutions to many of the edge networking problems encountered during IoT development.

Built on years of real-world experience and best practices, SNAP Thing Services is available on SNAP-enabled IoT Gateways to eliminate common deployment issues and speed up your time to market.

A web-browser accessible graphical user interface makes configuration of the individual services quick and easy. A REST API is also available to interface custom software to the same capabilities, while the MQTT broker allows remote clients to subscribe to various events such as new data from nodes.
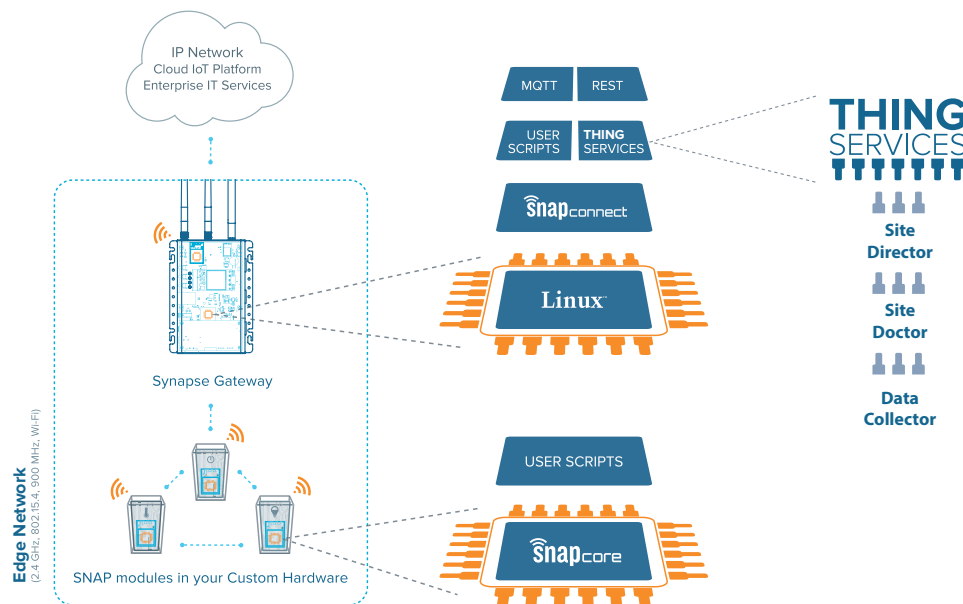
THING
SERVICES

Features

- MQTT and REST API data output options allow you to connect the IoT/ Cloud platform or custom destinations of your choice

- Secure gateway-hosted MQTT broker

- Local GUI for service configuration and status

- Individually licensed services mean you only install what you need

- Pre-installed on Synapse SNAP-based gateways

synapse®

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The initial services, with more coming soon:

Site Director - flexibly upgrade both SNAP device firmware and scripts over the air in large numbers

Site Doctor - quickly identify SNAP mesh network issues such as stranded nodes, single points of failure, and low signal strength via GUI or REST API.

Data Collector - poll SNAP devices for data on a configured interval and then transmits the results to an MQTT broker.

All SNAP Thing Services are available on Synapse SNAP Connect E20 and E12 Gateways as well as through licensing on custom 3rd party devices.