
SatNOGS

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This is the development documentation for the [SatNOGS project](#).

If you are looking for documentation on how to use SatNOGS or build a ground station, please visit [our wiki](#).

SATNOGS STATION ARCHITECTURE

1.1 Installed components

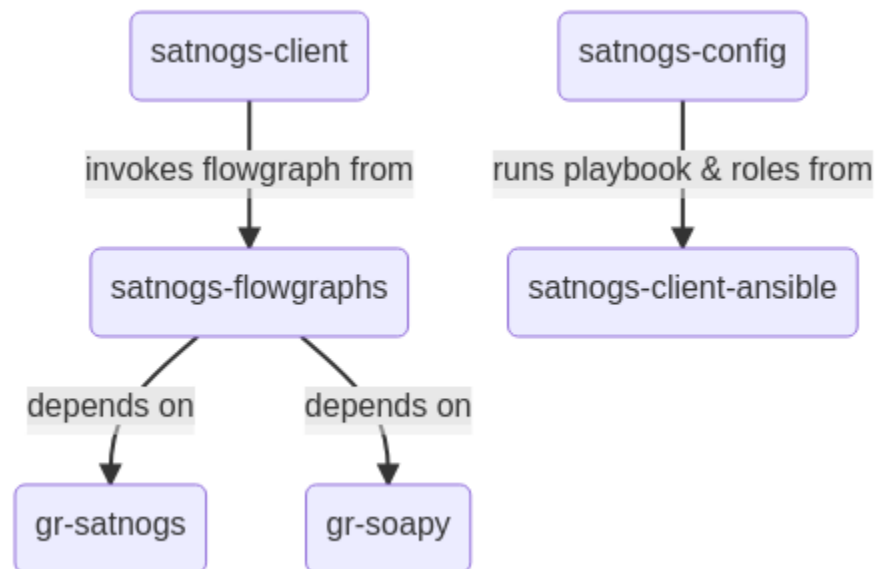


Fig. 1: SatNOGS Station Components Overview

- `satnogs-flowgraphs`: Provide the generic & satellites specific Gnuradio flowgraphs.
- `gr-soapy`: A GNURadio wrapper for the SoapySDR library.
- `gr-satnogs`: Gnuradio Out-Of-Tree Module with blocks required by `satnogs-flowgraphs`, e.g. a waterfall sink.
- `satnogs-client-ansible`: The ansible playbook & roles for setting up and configuring a SatNOGS Station.
- `satnogs-config`: SatNOGS client system configuration utility. Invokes roles from `satnogs-client-ansible` for applying the actual setup & configuration.
- `satnogs-client`: Python Daemon which fetches jobs from SatNOGS network, controls rotators (via `hamlib`), invokes flowgraphs from `satnogs-flowgraphs` for reception and finally uploads the observation results to `satnogs-network`. Optionally also uploads “SatNOGS artifacts” to `satnogs-db`.

1.2 Related components

- `satnogs-pi-gen`: Tool used to create SatNOGS Raspbian images

INDICES AND TABLES

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