
SatNOGS

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SatNOGS

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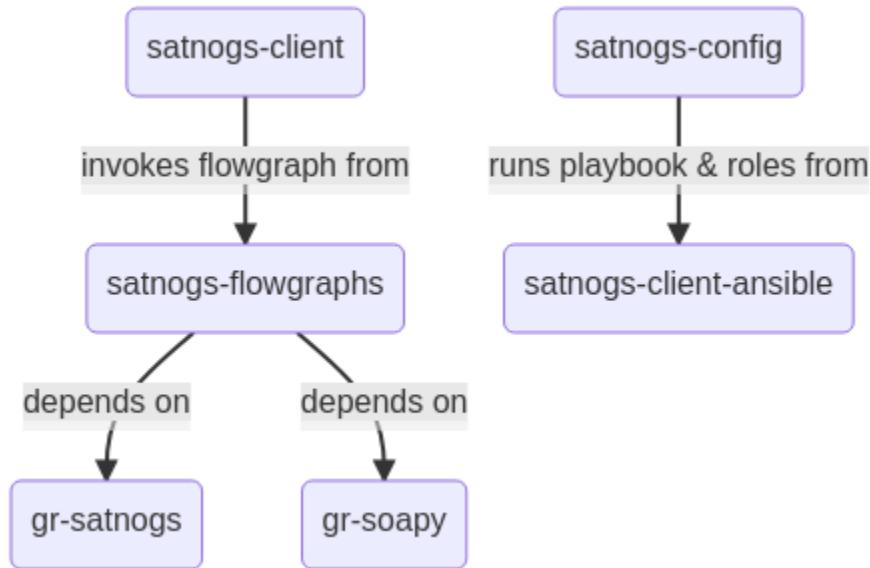
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This is the development documentation for the [SatNOGS](#) project.

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

SATNOGS STATION ARCHITECTURE

1.1 Installed components



- **satnogs-flowgraphs**: Provide the generic & satellites specific GNU Radio flowgraphs.
- **gr-soapy**: A GNU Radio wrapper for the SoapySDR library.
- **gr-satnogs**: GNU Radio Out-Of-Tree Module with blocks required by satnogs-flowgraphs, for example a waterfall sink.
- **satnogs-ansible**: The Ansible playbook & roles for setting up and configuring a SatNOGS Station.
- **satnogs-config**: SatNOGS client system configuration utility. Invokes roles from SatNOGS 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

**CHAPTER
TWO**

INDICES AND TABLES

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