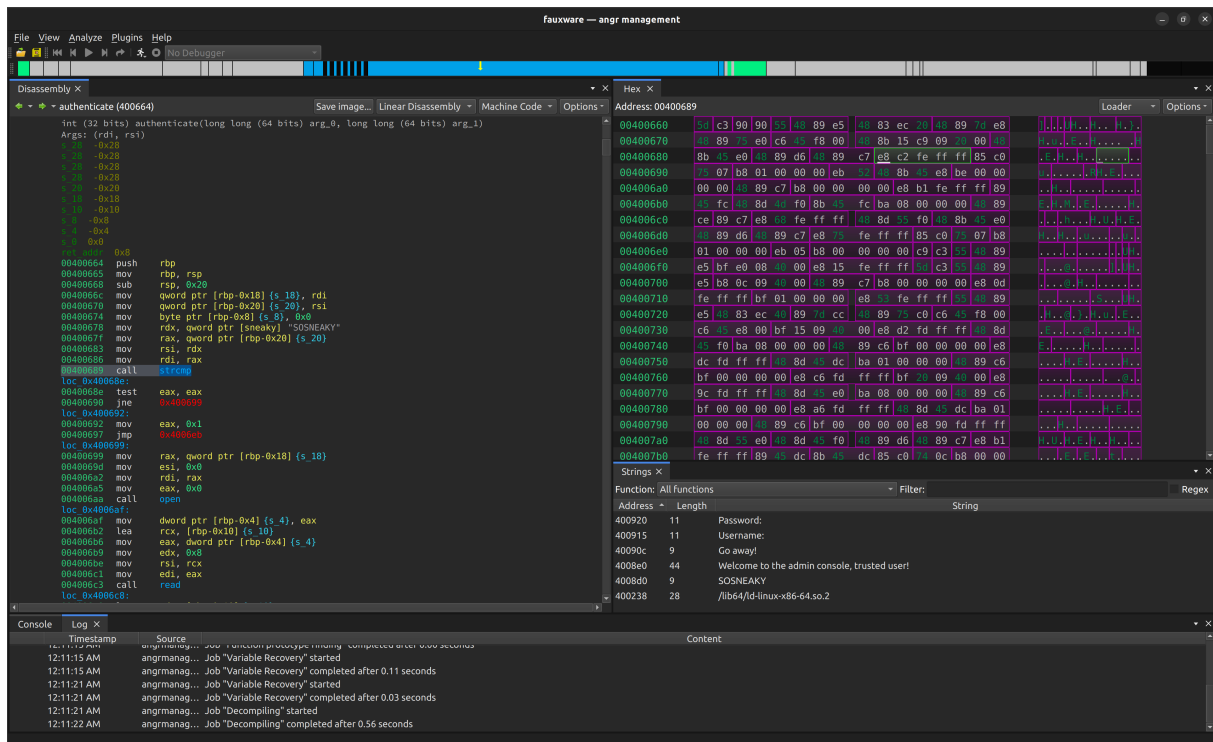


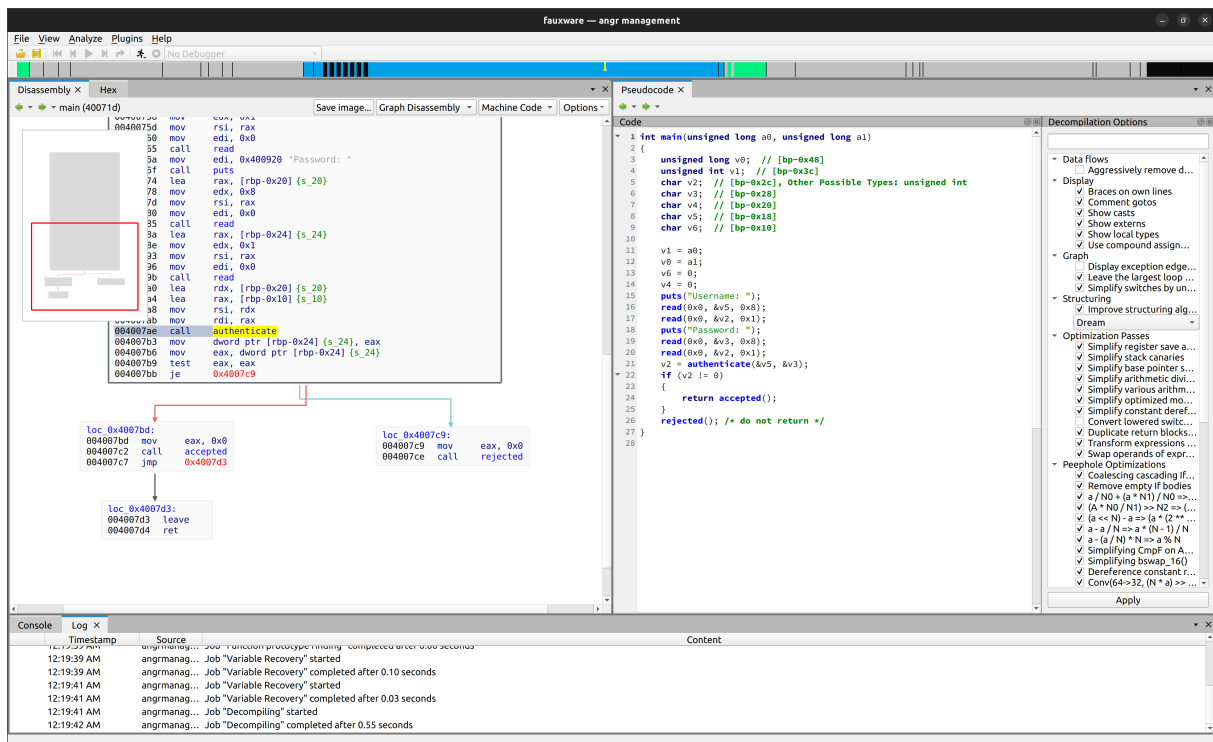
# angr Management

code style black

This is the GUI for angr. Launch it and analyze some binaries!

Some screenshots:





## Installation

### Portable, pre-built executable

The easiest way to run angr-management is by grabbing a bundled release from the releases page: <https://github.com/angr/angr-management/releases>

Builds can be extracted and then run from anywhere. Note that builds are currently unsigned.

### From PyPI

To install angr-management, use pip:

```
1 pip install angr-management
```

angr-management can then be run with the command `angr-management`.

### Development Install

See angr-dev for how to set up a development environment for the angr suite. angr-management is included by default and checked out to `angr-management` directory. If you encounter depen-

---

dependency issues, re-running `setup.sh` or `setup.bat` from `angr-dev` will ensure all dependencies are installed.

`angr-management` can then be run with `angr-management` or `python start.py`.

**FLIRT signatures:** For now, please manually clone FLIRT signatures by running `git clone --recurse-submodules https://github.com/angr/angr-management`, which will clone the `flirt_signatures` submodule.

## Usage

### Shortcuts

- Load a new binary: `Ctrl+O`
- Load a new Docker Image `Ctrl+Shift+O`
- Load a Trace File `Ctrl+Shift+T`
- Save angr database...: `Ctrl+S`
- Save angr database as...: `Ctrl+Shift+S`
- Decompile: `F5`
- Documentation: `Alt+H`
- Next Tab: `Ctrl+Tab`
- Previous Tab: `Ctrl+Shift+Tab`

### Configuration

Configuration files locations vary by platform.

- Windows: `~\AppData\Local\angr-management\config.toml`
- macOS: `~/Library/Preferences/angr-management/config.toml`
- Linux: `~/.config/angr-management/config.toml`

### Plugins

Plugins may be installed by placing a subdirectory under `plugins`. The directory must contain an `__init__.py` like that in `TestPlugin`:

---

```
1 from .test_plugin import TestPlugin
2 PLUGIN_CLS_NAME = TestPlugin.__name__
```

This also allows you to import a plugin class from another package entirely. The plugin itself should inherit from `BasePlugin`. Callbacks and events are a work in progress, so the API is subject to change. See `TestPlugin` for an example of a multithreaded plugin sample.

## Scripting

Take a look at [https://docs.angr.io/extending-angr/angr\\_management](https://docs.angr.io/extending-angr/angr_management)!

## Building with PyInstaller

To build a portable executable using PyInstaller, install angr management into a python environment with the `pyinstaller` extra. Do not install anything in editable mode (pip's `-e`), as PyInstaller currently fails to bundle modules installed with editable mode. Then, run `pyinstaller angr-management.spec`.

If things go wrong, the best bet is to reference the nightly build pipeline and the PyInstaller docs. The CI environment that produces nightly builds is at [.github/workflows/nightly-build.yml](#) and [.github/workflows/nightly-build.sh](#).