

Business need:

Automatically identify and download firmware images from various vendors' websites for InfoSec Research purposes

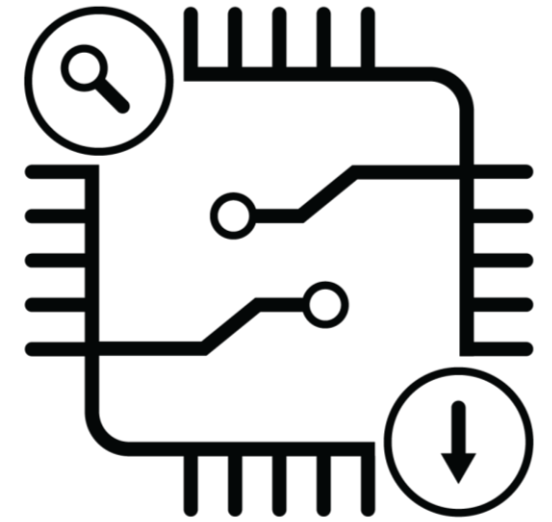
Our solution:

Selenium-based Python software that scrapes thousands of firmware of **18** different vendors

```
python_scrapers_1 | 2023-01-31 16:20:31,139 - Netgear.py: 52 - INFO - Scrap
python_scrapers_1 | 2023-01-31 16:21:34,543 - Netgear.py: 52 - INFO - Scrap
python_scrapers_1 | 2023-01-31 16:22:38,613 - Netgear.py: 52 - INFO - Scrap
python_scrapers_1 | 2023-01-31 16:23:41,730 - Netgear.py: 52 - INFO - Scrap
python_scrapers_1 | 2023-01-31 16:24:45,019 - Netgear.py: 52 - INFO - Scrap
python_scrapers_1 | 2023-01-31 16:25:48,378 - Netgear.py: 52 - INFO - Scrap
python_scrapers_1 | 2023-01-31 16:26:51,638 - Netgear.py: 52 - INFO - Scrap
python_scrapers_1 | 2023-01-31 16:27:55,915 - Netgear.py: 52 - INFO - Scrap
python_scrapers_1 | 2023-01-31 16:28:59,673 - Netgear.py: 52 - INFO - Scrap
python_scrapers_1 | 2023-01-31 16:30:03,489 - Netgear.py: 52 - INFO - Scrap
python_scrapers_1 | 2023-01-31 16:31:07,808 - Netgear.py: 52 - INFO - Scrap
python_scrapers_1 | 2023-01-31 16:32:11,447 - Netgear.py: 52 - INFO - Scrap
python_scrapers_1 | 2023-01-31 16:33:15,701 - Netgear.py: 52 - INFO - Scrap
python_scrapers_1 | 2023-01-31 16:34:19,556 - Netgear.py: 52 - INFO - Scrap
python_scrapers_1 | 2023-01-31 16:35:22,897 - Netgear.py: 52 - INFO - Scrap
python_scrapers_1 | 2023-01-31 16:36:26,351 - Netgear.py: 52 - INFO - Scrap
python_scrapers_1 | 2023-01-31 16:37:40,519 - Netgear.py: 52 - INFO - Scrap
python_scrapers_1 | 2023-01-31 16:38:44,477 - Netgear.py: 52 - INFO - Scrap
python_scrapers_1 | 2023-01-31 16:39:48,411 - Netgear.py: 52 - INFO - Scrap
python_scrapers_1 | 2023-01-31 16:40:52,345 - Netgear.py: 52 - INFO - Scrap
python_scrapers_1 | 2023-01-31 16:41:56,279 - Netgear.py: 52 - INFO - Scrap
```

Functionalities:

- scheduled, iterative searching for firmware
- storing scraped firmware metadata in MySQL database
- identification of new firmware
- downloading new firmware images to filesystem
- docker container for easy startup



AMOS Firmware Scraper

