

CbSDK Integration Example

1. Install Docker CE. All CbSDK examples and connectors are now run inside a docker container.

<https://docs.docker.com/install/>

2. Download the latest cbsdk docker image. We will use this image to get the example connector up and running.

```
docker pull cbdevnetwork/cbsdk:latest
```

3. Use git to clone the cb-integration code. This git repository contains the example connector code and configuration files needed to get our example working.

```
git clone https://github.com/carbonblack/cb-integration
cd cb-integration
git checkout cbconnect
```

4. Lets make a copy of the ./vol directory for our work

```
cp -r ./vol ./example-vol
```

5. Modify the local file ./vol/example/example.conf. This serves as a configuration file for our connector.

- a. NOTE: Ensure the Cb Response Server URL and API Key are correct.
- b. Add awful_analyzer_url=http://<ip>:<port> to bottom of example.conf

6. Run the container with example-vol directory bind mounted to /vol from within the container.

Interactive run with delete on exit:

```
docker run -it --rm --name cbsdk --mount
type=bind,source="$(pwd)"/example-vol,target=/vol --mount
type=bind,source="$(pwd)"/connectors,target=/connectors -p 5001:80 -p
9001:9001 cbdevnetwork/cbsdk:latest
```

Run in detached mode:

```
docker run -d --name cbsdk --mount
type=bind,source="$(pwd)"/example-vol,target=/vol --mount
type=bind,source="$(pwd)"/connectors,target=/connectors -p 5001:80 -p
9001:9001 cbdevnetwork/cbsdk:latest
```

a. NOTE: Make sure you are in cb-integration directory

7. View ./example-vol/example.log for debugging information

```
less ./example-vol/example.log
```

8. The example container listens on port 5001. This can be changed by the docker run command above.

To view the feed use:

```
curl localhost:5001/feed.json
```

NOTE: The boilerplate example code will score all binaries with score of 1

9. Stop the connector and run the completed example by modifying ./example-vol/supervisord/supervisord.conf to run example_connector_complete.py instead of example_connector.py

```
$ docker stop cbsdk
```

Or

Ctrl-c if you ran the container interactively

10. Run Awful Analyzer

```
$ python awful-analyzer.py
```

```
* Running on http://0.0.0.0:5000/ (Press CTRL+C to quit)
```

11. From here you should be able to run the example connector and see the connector running and get varying scores for binaries.

```
$ docker start cbsdk
```