

Detection Rules

 github.com/elastic/detection-rules

elastic



python 3.8+  Unit Tests passing chat #security-detection-rules ATT&CK Navigator

Detection Rules is the home for rules used by Elastic Security. This repository is used for the development, maintenance, testing, validation, and release of rules for Elastic Security's Detection Engine.

To confirm that everything was properly installed, run with the `--help` flag

```
$ python -m detection_rules --help
```

```
Usage: detection_rules [OPTIONS] COMMAND [ARGS]...
```

```
Commands for detection-rules repository.
```

```
Options:
```

```
-d, --debug / -n, --no-debug  Print full exception stacktrace on errors
-h, --help                    Show this message and exit.
```

```
Commands:
```

```
create-rule  Create a detection rule.
dev          Commands for development and management by internal...
es          Commands for integrating with Elasticsearch.
import-rules Import rules from json, toml, or Kibana exported rule...
kibana      Commands for integrating with Kibana.
mass-update  Update multiple rules based on eql results.
normalize-data Normalize Elasticsearch data timestamps and sort.
rule-search  Use KQL or EQL to find matching rules.
test        Run unit tests over all of the rules.
toml-lint   Cleanup files with some simple toml formatting.
validate-all Check if all rules validates against a schema.
validate-rule Check if a rule staged in rules dir validates against a...
view-rule   View an internal rule or specified rule file.
```

The [contribution guide](#) describes how to use the `create-rule` and `test` commands to create and test a new rule when contributing to Detection Rules.

For more advanced command line interface (CLI) usage, refer to the [CLI guide](#).

How to contribute

We welcome your contributions to Detection Rules! Before contributing, please familiarize yourself with this repository, its [directory structure](#), and our [philosophy](#) about rule creation. When you're ready to contribute, read the [contribution guide](#) to learn how we turn detection ideas into production rules and validate with testing.

Licensing

Everything in this repository — rules, code, RTA, etc. — is licensed under the [Elastic License v2](#). These rules are designed to be used in the context of the Detection Engine within the Elastic Security application. If you're using our [Elastic Cloud managed service](#) or the default distribution of the Elastic Stack software that includes the [full set of free features](#), you'll get the latest rules the first time you navigate to the detection engine.

Occasionally, we may want to import rules from another repository that already have a license, such as MIT or Apache 2.0. This is welcome, as long as the license permits sublicensing under the Elastic License v2. We keep those license notices in `NOTICE.txt` and sublicense as the Elastic License v2 with all other rules. We also require contributors to sign a [Contributor License Agreement](#) before contributing code to any Elastic repositories.

Questions? Problems? Suggestions?

- Want to know more about the Detection Engine? Check out the [overview](#) in Kibana.
- This repository includes new and updated rules that have not been released yet. To see the latest set of rules released with the stack, see the [Prebuilt rule reference](#).
- If you'd like to report a false positive or other type of bug, please create a GitHub issue and check if there's an existing one first.
- Need help with Detection Rules? Post an issue or ask away in our [Security Discuss Forum](#) or the [#security-detection-rules](#) channel within [Slack workspace](#).