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# **polyswarm-api Documentation**

**PolySwarm**

**Sep 20, 2023**



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## API REFERENCE

This page contains auto-generated API reference documentation<sup>1</sup>.

### 1.1 conftest

### 1.2 polyswarm\_api

#### 1.2.1 Submodules

`polyswarm_api.api`

##### Module Contents

`polyswarm_api.api.logger`

`class polyswarm_api.api.PolyswarmAPI(key, uri=None, community=None, timeout=None, verify=True, **kwargs)`

Bases: object

A synchronous interface to the public and private PolySwarm APIs.

`engines`

`refresh_engine_cache(self)`

Rrefresh the cached engine listing

`wait_for(self, scan, timeout=settings.DEFAULT_SCAN_TIMEOUT)`

Wait for a Scan to scan successfully

##### Parameters

- `scan` – Scan id to wait for
- `timeout` – Maximum time in seconds to wait before raising a TimeoutException

`Returns` The ArtifactInstance resource waited on

`exists(self, hash_, hash_type=None)`

Search for the latest scans matching the given hash and hash\_type.

##### Parameters

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<sup>1</sup> Created with sphinx-autoapi

- **hash** – A Hashable object (Artifact, local.LocalArtifact, Hash) or hex-encoded SHA256/SHA1/MD5
- **hash\_type** – Hash type of the provided **hash**. Will attempt to auto-detect if not explicitly provided.

**Returns** A boolean if the instance exists for search.

**search** (*self*, *hash*, *hash\_type=None*)

Search for the latest scans matching the given hash and hash\_type.

**Parameters**

- **hash** – A Hashable object (Artifact, local.LocalArtifact, Hash) or hex-encoded SHA256/SHA1/MD5
- **hash\_type** – Hash type of the provided **hash**. Will attempt to auto-detect if not explicitly provided.

**Returns** Generator of ArtifactInstance resources

**search\_url** (*self*, *url*)

Search for the latest scan matching the given url.

**Parameters** **url** – A url to be searched by exact match

**Returns** Generator of ArtifactInstance resources

**search\_scans** (*self*, *hash*)

Search for all scans ever made matching the given sha256.

**Parameters** **hash** – A Hashable object (Artifact, local.LocalArtifact, Hash) or hex-encoded SHA256

**Returns** Generator of ArtifactInstance resources

**metadata\_mapping** (*self*)

**search\_by\_metadata** (*self*, *query*, *include=None*, *exclude=None*, *ips=None*, *urls=None*, *domains=None*)

Search artifacts by metadata

**Parameters**

- **query** – A query string
- **include** – A list of fields to be included in the result (\*. wildcards are accepted)
- **exclude** – A list of fields to be excluded from the result (\*. wildcards are accepted)

**Returns** Generator of ArtifactInstance resources

**iocs\_by\_hash** (*self*, *hash\_type*, *hash\_value*, *hide\_known\_good=False*)

Retrieve IOCs by artifact hash

**Parameters**

- **hash\_type** – Hash type of the provided **hash**
- **hash\_value** – A list of fields to be included in the result (\*. wildcards are accepted)

**Returns** Generator of IOC resources

**search\_by\_ioc** (*self*, *ip=None*, *domain=None*, *ttp=None*, *imphash=None*)

Search artifacts by IOC (ip, domain, ttp, or imphash)

**Parameters**

- **ip** – ip address to search by
- **domain** – domain address to search by
- **ttp** – ttp to search by
- **imphash** – ImpHash to search by

**Returns** Generator of ArtifactInstance resources

**check\_known\_hosts** (*self*, *ips*=[], *domains*=[])

Check if ip addresses or domains are known.

:param ips :param domains :return: Generator of IOC resources

**add\_known\_good\_host** (*self*, *type*, *source*, *host*)

Add a known good ip or domain.

:param type :param source :param host :return: IOC resource

**update\_known\_good\_host** (*self*, *id*, *type*, *source*, *host*, *good*)

Update a known ip or domain.

:param type :param source :param host :return: IOC resource

**delete\_known\_good\_host** (*self*, *id*)

**submit** (*self*, *artifact*, *artifact\_type*=resources.ArtifactType.FILE, *artifact\_name*=None, *scan\_config*=None)

Submit artifacts to polyswarm and return UUIDs

#### Parameters

- **artifact** – A file-like, path to file, url or LocalArtifact instance
- **artifact\_type** – The ArtifactType or strings containing “file” or “url”
- **artifact\_name** – An appropriate filename for the Artifact
- **scan\_config** – The scan configuration to be used, e.g.: “default”, “more-time”, “most-time”

**Returns** An ArtifactInstance resource

**lookup** (*self*, *scan*)

Lookup a scan by Scan id.

**Parameters** **scan** – The Scan UUID to lookup

**Returns** An ArtifactInstance resource

**rescan** (*self*, *hash\_*, *hash\_type*=None, *scan\_config*=None)

Rescan a file based on and existing hash in the Polyswarm platform

#### Parameters

- **hash** – Hashable object (Artifact, local.LocalArtifact, or Hash) or hex-encoded SHA256/SHA1/MD5
- **hash\_type** – Hash type of the provided **hash\_**. Will attempt to auto-detect if not explicitly provided.
- **scan\_config** – The scan configuration to be used, e.g.: “default”, “more-time”, “most-time”

**Returns** A ArtifactInstance resources

**rescan\_id** (*self*, *scan*, *scan\_config=None*)

Re-execute a new scan based on an existing scan.

**Parameters**

- **scan** – Id of the existing scan
- **scan\_config** – The scan configuration to be used, e.g.: “default”, “more-time”, “most-time”

**Returns** A ArtifactInstance resource

**\_parse\_rule** (*self*, *rule*)

**live\_start** (*self*, *rule\_id*)

Create a new live hunt\_id, and replace the currently running YARA rules.

**Parameters** **rule\_id** – Yara ruleset id

**Returns** The ruleset with the associated live hunt

**live\_stop** (*self*, *rule\_id*)

Stop a live hunt.

**Parameters** **rule\_id** – Yara ruleset id

**Returns** The ruleset without an associate live hunt

**live\_feed** (*self*, *since=None*, *rule\_name=None*, *family=None*, *polyscore\_lower=None*, *polyscore\_upper=None*, *community=None*)

Get live hunts feed

**Parameters**

- **since** – Fetch results from the last “since” minutes
- **rule\_name** – Filter hunt results on the provided rule name (exact match).
- **family** – Filter hunt results based on the family name (exact match).
- **polyscore\_lower** – Polyscore lower bound for the hunt results.
- **polyscore\_upper** – Polyscore upper bound for the hunt results.
- **community** – Community to retrieve live results from, or public/private.

**Returns** Generator of HuntResult resources

**live\_feed\_delete** (*self*, *result\_ids*)

Delete live feed results

**Parameters** **result\_ids** – Live Feed Result IDs

**Returns** The deleted LiveHuntResult resources

**live\_result** (*self*, *result\_id*)

Get yara ruleset for the live hunt result

**Parameters** **result\_id** – Live result id

**Returns** Generator of HuntResult resources

**historical\_create** (*self*, *rule=None*, *ruleset\_name=None*)

Run a new historical hunt.

**Parameters**

- **rule** – YaraRuleset object or string containing YARA rules to install

- **ruleset\_name** – Name of the ruleset.

**Returns** The created Hunt resource

**historical\_get** (*self, hunt=None*)

Get a historical hunt.

**Parameters** **hunt** – Hunt ID

**Returns** The Hunt resource

**historical\_update** (*self, hunt*)

Cancel a historical hunt :param hunt: The historical hunt id :return: The deleted HistoricalHunt resource

**historical\_delete** (*self, hunt*)

Delete a historical hunts.

**Parameters** **hunt** – Hunt ID

**Returns** The deleted Hunt resource

**historical\_list** (*self, since=None*)

List all historical hunts

**Returns** Generator of Hunt resources

**historical\_result** (*self, result\_id*)

Get historical hunt result

**Parameters** **result\_id** – Historical result id

**Returns** HistoricalHuntResult resource

**historical\_results** (*self, hunt=None, rule\_name=None, family=None, polyscore\_lower=None, polyscore\_upper=None, community=None*)

Get results from a historical hunt

**Parameters**

- **hunt** – ID of the hunt (None if latest hunt results are desired)
- **rule\_name** – Filter hunt results on the provided rule name (exact match).
- **family** – Filter hunt results based on the family name (exact match).
- **polyscore\_lower** – Polyscore lower bound for the hunt results.
- **polyscore\_upper** – Polyscore upper bound for the hunt results.
- **community** – Community to retrieve live results from, or public/private.

**Returns** Generator of HuntResult resources

**historical\_results\_delete** (*self, result\_ids*)

Delete historical scan results

**Parameters** **result\_ids** – Historical Hunt Result IDs

**Returns** The deleted HuntResult resources

**historical\_delete\_list** (*self, historical\_ids*)

Delete a historical hunts.

**Parameters** **historical\_ids** – Historical Hunt IDs

**Returns** The deleted Hunt resource

**ruleset\_create** (*self, name, rules, description=None*)

Create a Yara Ruleset from the provided rules with the given name in the polyswarm platform. :param name: Name of the ruleset :param rules: Yara rules as a string :param description: Description of the ruleset :return: A YaraRuleset resource

**ruleset\_get** (*self, ruleset\_id=None*)

Retrieve a YaraRuleset from the polyswarm platform by its Id. :param ruleset\_id: Id of the ruleset :return: A YaraRuleset resource

**ruleset\_update** (*self, ruleset\_id, name=None, rules=None, description=None*)

Update an existing YaraRuleset in the polyswarm platform by its Id. :param ruleset\_id: Id of the ruleset :param name: New name of the ruleset :param rules: New yara rules as a string :param description: New description of the ruleset :return: The updated YaraRuleset resource

**ruleset\_delete** (*self, ruleset\_id*)

Delete a YaraRuleset from the polyswarm platform by its Id. :param ruleset\_id: Id of the ruleset :return: A YaraRuleset resource

**ruleset\_list** (*self*)

List all YaraRulesets for the current account. :return: A generator of YaraRuleset resources

**tag\_link\_get** (*self, sha256*)

Fetch the Tags and Families associated with the given sha256.

**Parameters** **sha256** – The sha256 of the artifact.

**Returns** A TagLink resource

**tag\_link\_update** (*self, sha256, tags=None, families=None, emerging=None, remove=False*)

Update a TagLink with the given type or value by its id. :param sha256: The sha256 of the artifact. :param tags: A list of tags to be added or removed. :param families: A list of families to be added or removed. :param remove: A flag indicating if we should remove the provided tags/families. :return: A TagLink resource

**tag\_link\_list** (*self, tags=None, families=None, or\_tags=None, or\_families=None*)

Fetch all existing TagLinks for the provided tags. :param tags: A list of tags that must be associated with the TagLinks listed. :param families: A list of families that must be associated with the TagLinks listed. :param or\_tags: A list of tags where the TagLinks must be associated with at least one. :param or\_families: A list of families where the TagLinks must be associated with at least one. :return: A TagLink resource

**tag\_create** (*self, name*)

Create a Tag. :param name: The tag we want to create. :return: A Tag resource

**tag\_get** (*self, name*)

Fetch a Tag. :param name: The tag we want to fetch. :return: A Tag resource

**tag\_delete** (*self, name*)

Delete a Tag. :param name: The tag we want to delete. :return: A Tag resource

**tag\_list** (*self*)

Fetch all existing Tags. :return: A generator of Tag resources

**family\_create** (*self, name*)

Create a Family. :param name: The family name. :return: A MalwareFamily resource

**family\_get** (*self, name*)

Fetch a Family. :param name: The family name. :return: A MalwareFamily resource

**family\_delete** (*self, name*)

Delete a Family. :param name: The family name. :return: A MalwareFamily resource

---

**family\_update** (*self, family\_name, emerging=True*)  
 Update the Family emerging status. :param family\_name: The family name. :param emerging: A flag indicating if the family should be marked as emerging at this point in time. :return: A MalwareFamily resource

**family\_list** (*self*)  
 Fetch all existing Families :return: A generator of MalwareFamily resources

**assertions\_create** (*self, engine\_id, date\_start, date\_end*)

**assertions\_get** (*self, assertions\_id*)

**assertions\_delete** (*self, assertions\_id*)

**assertions\_list** (*self, engine\_id*)

**votes\_create** (*self, engine\_id, date\_start, date\_end*)

**votes\_get** (*self, votes\_id*)

**votes\_delete** (*self, votes\_id*)

**votes\_list** (*self, engine\_id*)

**download** (*self, out\_dir, hash\_, hash\_type=None*)  
 Grab the data of artifact identified by hash, and write the data to a file in the provided directory under a file named after the **hash\_**. :param out\_dir: Destination directory to download the file. :param **hash\_**: The hash we should use to lookup the artifact to download. :param hash\_type: Hash type of the provided **hash\_**. Will attempt to auto-detect if not explicitly provided. :return: A LocalArtifact resource

**download\_id** (*self, out\_dir, instance\_id*)  
 Grab the data of artifact identified by hash, and write the data to a file in the provided directory under a file named after the **hash\_**. :param out\_dir: Destination directory to download the file. :param instance\_id: The instance id we should use to lookup the artifact to download. :return: A LocalArtifact resource

**sandbox** (*self, instance\_id, provider\_slug, vm\_slug*)

**sandbox\_file** (*self, artifact, provider\_slug, vm\_slug, artifact\_type=resources.ArtifactType.FILE, artifact\_name=None*)

**sandbox\_providers** (*self*)  
 List sandboxes available in polyswarm.

**sandbox\_task\_status** (*self, sandbox\_task\_id*)  
 Check the status of a sandbox task.

**sandbox\_task\_latest** (*self, sha256, sandbox*)  
 Check the latest status of a sandbox task.

**sandbox\_my\_tasks\_list** (*self, \*\*kwargs*)  
 Check the latest status of a sandbox task.

**sandbox\_task\_list** (*self, sha256, \*\*kwargs*)  
 Check the list of a sandbox tasks.

**download\_archive** (*self, out\_dir, s3\_path*)  
 Grab the data in the s3 path provided in the stream() method, and write the contents in the provided directory. :param out\_dir: Destination directory to download the file. :param s3\_path: Target S3 object to download. :return: A LocalArtifact resource

**download\_to\_handle** (*self, hash\_, fh, hash\_type=None*)  
 Grab the data of artifact identified by hash, and write the data to a file handle :param **hash\_**: The hash we should use to lookup the artifact to download. :param fh: A file-like object which we are going to write the

contents of the artifact to. :param hash\_type: Hash type of the provided **hash**. Will attempt to auto-detect if not explicitly provided. :return: A LocalHandle resource

**stream**(*self*, *since=settings.MAX\_SINCE\_TIME\_STREAM*)  
Access the stream of artifacts (ask [info@polyswarm.io](mailto:info@polyswarm.io) about access)

**Parameters** `since` – Fetch results from the last “since” minutes (up to 2 days)

**Returns** Generator of ArtifactArchive resources

**rerun\_metadata**(*self*, *hashes*, *analyses=None*, *skip\_es=None*)

**tool\_metadata\_create** (*self, instance\_id, tool, tool\_metadata*)

**tool\_metadata\_list** (*self, instance\_id*)

**\_\_repr\_\_**(self)

## polyswarm\_api.core

## Module Contents

## polyswarm\_api.core.JSONDecodeError

`polyswarm_api.core.logger`

Bases: requests.Session

```
requests_retry_session(self, retries=settings.DEFAULT_RETRIES,  
                      off_factor=settings.DEFAULT_BACKOFF,  
                      tus_forcelist=settings.DEFAULT_RETRY_CODES)
```

**set\_auth** (*self, key*)

**set\_user\_agent** (*self, ua*)

```
class polyswarm_api.core.RequestParamsEncoder
```

Bases: `json.JSONEncoder`

**default** (*self, obj*)

```
class polyswarm_api.core.PolyswarmRequest(api_instance, request_parameters, key=None, result_parser=None, **kwargs)
```

## Bases: object

This class holds a

**result** (*self*)

**execute** (*self*)

### \_bad\_status\_message (se

## \_extract\_json

## **parse\_result**

\_\_iter\_\_(self)

## consume\_result

```
class polyswarm_api.core.BaseResource(content, *args, **kwargs)
Bases: object

    classmethod parse_result(cls, api, content, **kwargs)

class polyswarm_api.core.BaseJsonResource(content, *args, **kwargs)
Bases: polyswarm_api.core.BaseResource

RESOURCE_ENDPOINT

RESOURCE_ID_KEYS = ['id']

__int__(self)

_get(self, path, default=None, content=None)
    Helper for rendering attributes of child objects in the json that might be None. Returns the default value if any item in the path is not present.

classmethod parse_result_list(cls, api_instance, json_data, **kwargs)

classmethod _endpoint(cls, api, **kwargs)
classmethod _list_endpoint(cls, api, **kwargs)

classmethod _create_endpoint(cls, api, **kwargs)
classmethod _get_endpoint(cls, api, **kwargs)
classmethod _head_endpoint(cls, api, **kwargs)
classmethod _update_endpoint(cls, api, **kwargs)
classmethod _delete_endpoint(cls, api, **kwargs)
classmethod _params(cls, method, *param_keys, **kwargs)
classmethod _list_params(cls, **kwargs)
classmethod _create_params(cls, **kwargs)
classmethod _get_params(cls, **kwargs)
classmethod _head_params(cls, **kwargs)
classmethod _update_params(cls, **kwargs)
classmethod _delete_params(cls, **kwargs)
classmethod _list_headers(cls, api)
classmethod _create_headers(cls, api)
classmethod _get_headers(cls, api)
classmethod _head_headers(cls, api)
classmethod _update_headers(cls, api)
classmethod _delete_headers(cls, api)
classmethod _build_request(cls, api, method, url, headers, params, json_params)
classmethod create(cls, api, **kwargs)
classmethod get(cls, api, **kwargs)
classmethod head(cls, api, **kwargs)
classmethod update(cls, api, **kwargs)
```

```
classmethod delete(cls, api, **kwargs)
classmethod list(cls, api, **kwargs)

polyswarm_api.core.is_hex(value)
polyswarm_api.core.is_valid_sha1(value)
polyswarm_api.core.is_valid_md5(value)
polyswarm_api.core.is_valid_sha256(value)

class polyswarm_api.core.Hashable(*args, **kwargs)
    Bases: object

    SUPPORTED_HASH_TYPES

    hash
    hash_type
    raw
    validate(self)
    resolve_hash_type(self)
    __eq__(self, other)

polyswarm_api.core.parse_isofromat(date_string)
Parses the current date format version
```

polyswarm\_api.exceptions

## Module Contents

```
exception polyswarm_api.exceptions.PolyswarmException
    Bases: Exception

exception polyswarm_api.exceptions.PolyswarmAPIException
    Bases: polyswarm_api.exceptions.PolyswarmException

exception polyswarm_api.exceptions.TimeoutException
    Bases: polyswarm_api.exceptions.PolyswarmAPIException

exception polyswarm_api.exceptions.RequestException(request, *args)
    Bases: polyswarm_api.exceptions.PolyswarmException

exception polyswarm_api.exceptions.UsageLimitsExceededException
    Bases: polyswarm_api.exceptions.RequestException

exception polyswarm_api.exceptions.NotFoundException
    Bases: polyswarm_api.exceptions.RequestException

exception polyswarm_api.exceptions.NoResultsException
    Bases: polyswarm_api.exceptions.RequestException

exception polyswarm_api.exceptions.TypeException
    Bases: polyswarm_api.exceptions.PolyswarmException

exception polyswarm_api.exceptions.MissingAPIInstanceException
    Bases: polyswarm_api.exceptions.TypeException
```

```

exception polyswarm_api.exceptions.InvalidJSONResponseException
    Bases: polyswarm_api.exceptions.TypeException

exception polyswarm_api.exceptions.DecodeErrorException
    Bases: polyswarm_api.exceptions.TypeException

exception polyswarm_api.exceptions.InvalidValueException
    Bases: polyswarm_api.exceptions.TypeException

exception polyswarm_api.exceptions.ArtifactDeletedException
    Bases: polyswarm_api.exceptions.TypeException

exception polyswarm_api.exceptions.InvalidYaraRulesException
    Bases: polyswarm_api.exceptions.TypeException

exception polyswarm_api.exceptions.NotImportedException
    Bases: polyswarm_api.exceptions.TypeException

exception polyswarm_api.exceptions.APIWarning
    Bases: Warning

```

## polyswarm\_api.resources

### Module Contents

```

polyswarm_api.resources.yara
polyswarm_api.resources.logger

class polyswarm_api.resources.Engine(content, api=None)
    Bases: polyswarm_api.core.BaseJsonResource
    RESOURCE_ENDPOINT = /microengines

    classmethod _list_headers(cls, api)

    __hash__(self)
    __eq__(self, other)
    __repr__(self)

class polyswarm_api.resources.ToolMetadata
    Bases: polyswarm_api.core.BaseJsonResource
    RESOURCE_ENDPOINT = /artifact/metadata

class polyswarm_api.resources.MetadataMapping
    Bases: polyswarm_api.core.BaseJsonResource
    RESOURCE_ENDPOINT = /search/metadata/mappings

class polyswarm_api.resources.Metadata(content, api=None)
    Bases: polyswarm_api.core.BaseJsonResource
    RESOURCE_ENDPOINT = /search/metadata/query

    KNOWN_KEYS

    __contains__(self, item)
    __getattr__(self, name)

    classmethod _get_params(cls, **kwargs)

```

```
class polyswarm_api.resources.IOC
Bases: polyswarm_api.core.BaseJsonResource

RESOURCE_ENDPOINT = /ioc

@classmethod def iocs_by_hash(cls, api, hash_value, hash_type, hide_known_good=False)
@classmethod def ioc_search(cls, api, ip=None, domain=None, ttp=None, imphash=None)
@classmethod def check_known_hosts(cls, api, ips, domains)
@classmethod def create_known_good(cls, api, type, host, source)
@classmethod def update_known_good(cls, api, id, type, host, source, good)
@classmethod def delete_known_good(cls, api, id)

class polyswarm_api.resources.ArtifactInstance(content, api=None)
Bases: polyswarm_api.core.BaseJsonResource, polyswarm_api.core.Hashable

RESOURCE_ENDPOINT = /instance

malicious_assertions
benign_assertions
valid_assertions

upload_file(self, artifact, attempts=3, **kwargs)
@classmethod def exists_hash(cls, api, hash_value, hash_type)
@classmethod def search_hash(cls, api, hash_value, hash_type)
@classmethod def search_url(cls, api, url)
@classmethod def list_scans(cls, api, hash_value)
@classmethod def submit(cls, api, artifact, artifact_name, artifact_type, scan_config=None)
@classmethod def rescan(cls, api, hash_value, hash_type, scan_config=None)
@classmethod def rescan_id(cls, api, submission_id, scan_config=None)
@classmethod def lookup_uuid(cls, api, submission_id)
@classmethod def metadata_rerun(cls, api, hashes, analyses=None, skip_es=None)
__str__(self)

class polyswarm_api.resources.ArtifactArchive(content, api=None)
Bases: polyswarm_api.core.BaseJsonResource

RESOURCE_ENDPOINT = /consumer/download/stream

class polyswarm_api.resources.AssertionsJob(content, api=None)
Bases: polyswarm_api.core.BaseJsonResource

RESOURCE_ENDPOINT = /consumer/assertions-job

class polyswarm_api.resources.VotesJob(content, api=None)
Bases: polyswarm_api.core.BaseJsonResource

RESOURCE_ENDPOINT = /consumer/votes-job

polyswarm_api.resources._read_chunks(file_handle)
polyswarm_api.resources.all_hashes(file_handle, algorithms=(__sha256, __sha1, __md5))
```

---

```

class polyswarm_api.resources.LocalArtifact (response,      api=None,      handle=None,
                                              folder=None,   artifact_name=None,   arti-
                                              fact_type=None, analyze=False, **kwargs)
Bases: polyswarm_api.core.BaseResource, polyswarm_api.core.Hashable

Artifact for which we have local content

hash

classmethod download (cls, api, hash_value, hash_type, handle=None, folder=None, arti-
                      fact_name=None)
classmethod download_id (cls, api, instance_id, handle=None, folder=None, arti-
                        fact_name=None)
classmethod download_archive (cls, api, u, handle=None, folder=None, artifact_name=None)
    This method is special, in that it is simply for downloading from S3

__getattr__ (self, name)
__iter__ (self)
classmethod from_handle (cls, api, handle, artifact_type=None, analyze=False, arti-
                        fact_name=None, **kwargs)
classmethod from_path (cls, api, path, artifact_type=None, analyze=False, artifact_name=None,
                       **kwargs)
classmethod from_content (cls, api, content, artifact_name=None, artifact_type=None, ana-
                           lyze=False)
analyze_artifact (self, force=False)
_calc_hashes (self, fh)
_run_analyzers (self, fh)
__str__ (self)

class polyswarm_api.resources.YaraRuleset (content, api=None)
Bases: polyswarm_api.core.BaseJsonResource

RESOURCE_ENDPOINT = /hunt/rule

class polyswarm_api.resources.LiveYaraRuleset
Bases: polyswarm_api.resources.YaraRuleset

RESOURCE_ENDPOINT = /hunt/rule/live

class polyswarm_api.resources.LiveHuntResult (content, api=None)
Bases: polyswarm_api.core.BaseJsonResource

RESOURCE_ENDPOINT = /hunt/live

class polyswarm_api.resources.LiveHuntResultList
Bases: polyswarm_api.resources.LiveHuntResult

RESOURCE_ENDPOINT = /hunt/live/list

class polyswarm_api.resources.HistoricalHunt (content, api=None)
Bases: polyswarm_api.core.BaseJsonResource

RESOURCE_ENDPOINT = /hunt/historical

class polyswarm_api.resources.HistoricalHuntList
Bases: polyswarm_api.resources.HistoricalHunt

RESOURCE_ENDPOINT = /hunt/historical/list

```

```
class polyswarm_api.resources.HistoricalHuntResult(content, api=None)
    Bases: polyswarm_api.core.BaseJsonResource

    RESOURCE_ENDPOINT = /hunt/historical/results

class polyswarm_api.resources.HistoricalHuntResultList
    Bases: polyswarm_api.resources.HistoricalHuntResult

    RESOURCE_ENDPOINT = /hunt/historical/results/list

class polyswarm_api.resources.TagLink(content, api=None)
    Bases: polyswarm_api.core.BaseJsonResource

    RESOURCE_ENDPOINT = /tags/link

    RESOURCE_ID_KEYS = ['hash']

    @classmethod _list_params(cls, **kwargs)

class polyswarm_api.resources.MalwareFamily(content, api=None)
    Bases: polyswarm_api.core.BaseJsonResource

    RESOURCE_ENDPOINT = /tags/family

    RESOURCE_ID_KEYS = ['name']

class polyswarm_api.resources.Tag(content, api=None)
    Bases: polyswarm_api.core.BaseJsonResource

    RESOURCE_ENDPOINT = /tags/tag

    RESOURCE_ID_KEYS = ['name']

class polyswarm_api.resources.Assertion(content, api=None, scanfile=None)
    Bases: polyswarm_api.core.BaseJsonResource

    __str__(self)

class polyswarm_api.resources.Vote(content, api=None, scanfile=None)
    Bases: polyswarm_api.core.BaseJsonResource

    __str__(self)

class polyswarm_api.resources.ArtifactType
    Bases: enum.Enum

    FILE = 0

    URL = 1

    static parse(value)

    static to_string(artifact_type)

    decode_content(self, content)

class polyswarm_api.resources.Hash(hash_, hash_type=None, validate_hash=True)
    Bases: polyswarm_api.core.Hashable

    @classmethod from_hashable(cls, hash_, hash_type=None)
        Coerce to Hashable object

        Parameters
            • hash – Hashable object
            • hash_type – Hash type
```

- **polyswarm** – PolyswarmAPI instance

**Returns** Hash

```
__hash__(self)
__str__(self)
__repr__(self)

class polyswarm_api.resources.SandboxTask(content, api=None)
    Bases: polyswarm_api.core.BaseJsonResource
    RESOURCE_ENDPOINT = /sandbox/sandboxtask
    upload_file(self, artifact, attempts=3, **kwargs)
    classmethod get(cls, api, **kwargs)
    classmethod latest(cls, api, **kwargs)
    classmethod my_tasks(cls, api, **kwargs)
    classmethod create_file(cls, api, **kwargs)
    classmethod update_file(cls, api, **kwargs)

class polyswarm_api.resources.SandboxArtifact(content, api=None)
    Bases: polyswarm_api.core.BaseJsonResource
class polyswarm_api.resources.SandboxProvider(content, api=None)
    Bases: polyswarm_api.core.BaseJsonResource
    RESOURCE_ENDPOINT = /sandbox/provider
    classmethod parse_result(cls, api, content, **kwargs)
```

**polyswarm\_api.settings**

## Module Contents

```
polyswarm_api.settings.DEFAULT_GLOBAL_API = https://api.polyswarm.network/v3
polyswarm_api.settings.DEFAULT_PERMALINK_BASE
polyswarm_api.settings.DEFAULT_COMMUNITY = default
polyswarm_api.settings.DEFAULT_SCAN_TIMEOUT
polyswarm_api.settings.RESULT_CHUNK_SIZE = 100
polyswarm_api.settings.POLL_FREQUENCY = 1
polyswarm_api.settings.DEFAULT_HTTP_TIMEOUT = 30
polyswarm_api.settings.DEFAULT_RETRIES = 0
polyswarm_api.settings.DEFAULT_BACKOFF = 1
polyswarm_api.settings.DEFAULT_RETRY_CODES = [502, 504]
polyswarm_api.settings.DEFAULT_USER_AGENT
polyswarm_api.settings.DEFAULT_WORKER_COUNT = 8
polyswarm_api.settings.MAX_HUNT_RESULTS = 20000
```

```
polyswarm_api.settings.MAX_ARTIFACT_BATCH_SIZE = 256
polyswarm_api.settings.FILE_CHUNK_SIZE = 8192
polyswarm_api.settings.MAX_OPEN_FDS = 256
polyswarm_api.settings.DOWNLOAD_CHUNK_SIZE
polyswarm_api.settings.MAX_SINCE_TIME_STREAM
```

## 1.2.2 Package Contents

```
polyswarm_api.__version__ = 3.4.3
```

```
polyswarm_api.__release_url__ = https://api.github.com/repos/polyswarm/polyswarm-api/releases
```

polyswarm-api is a convenient library and command line interface (CLI) for interacting with the PolySwarm marketplace.

Here you'll find auto-generated documentation based on the polyswarm-api source code. Developers seeking to incorporate polyswarm-api as a library may find this useful. Get started by navigating to "API Reference" over to the left.

For polyswarm-api installation and CLI usage instructions, please refer to [README.md](#).

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