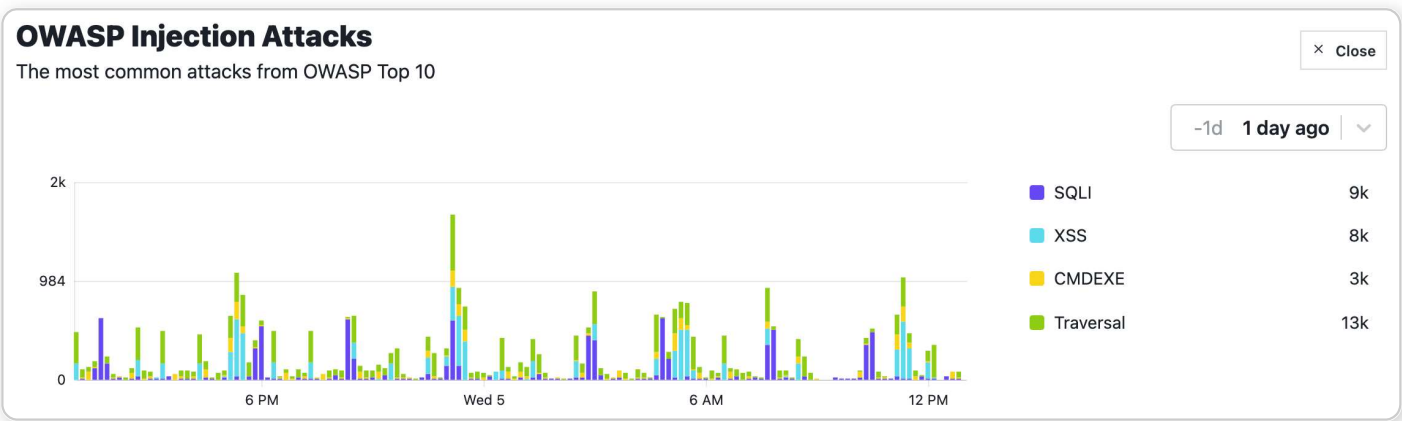


# Data Storage and Sampling

When our agent sends requests to our collectors, we store two types of data: **timeseries data** and **individual request data**.

## Timeseries data

Timeseries data counts the number of signals (e.g., XSS, SQLi, 404s) observed per minute, while individual request data includes individual records of anonymized requests. Timeseries data powers graphs visible throughout the product, as well as metrics such as tallies of request types.



## Individual request data

While all timeseries data is stored and available in the product, a representative sample of individual request data is stored. Individual request data provides detailed information about specific requests, such as the originating IP address and request parameters:

## Requests

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Search for requests within the last 30 days. [View search syntax](#)

Time ▾

Attack signals ▾

Anomaly signals ▾

Bot detection signals ▾

Response codes ▾

from:-7d

Search

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1-100 of 794 results

Refresh

REQUEST	SIGNALS / PAYLOADS	SOURCE	RESPONSE
Aug 26, 10:43:47 AM PDT GET example.com /en-US/webfig/ <a href="#">View request detail</a>	HTTP 404 404	192.0.2.183 example-hostname.com Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/60.0.3112.113 Safari/537.36	Agent: 200 Server: 404 Status: Allowed Response size: 18.4KB Response time: 10 ms
Aug 26, 10:21:53 AM PDT GET example.com /config/getuser <a href="#">View request detail</a>	HTTP 4XX 400	192.0.2.122 hostname not available Mozilla/5.0 (X11; Ubuntu; Linux x86_64; rv:76.0) Gecko/20100101 Firefox/76.0	Agent: 200 Server: 400 Status: Allowed Response size: 280B Response time: 18 ms

## What data does Signal Sciences store?

We store all timeseries data sent to our collectors (powering graphs and metrics throughout the product).

We store individual request data based on the type of signals that requests are tagged with or the way that custom rules are configured. Storage categories include:

- **All:** all requests matching this storage category are stored and available for reference throughout the console.
- **Sampled:** a random sample of requests matching this storage category will be stored and available for reference throughout the console.
- **Timeseries only:** requests matching this storage category aren't stored. Timeseries data for all signals tagged to the request will be stored and visible.
- **Not stored:** requests matching this category aren't stored.

**Note:** Timeseries-only data storage category is only available on agents 3.12 and above. Matching requests processed on earlier agents will be processed according to the Sampled data storage category.

Request signal type	Description	Storage category
Individual requests containing attack signals	Any requests containing 1 or more <a href="#">attack signals</a> (e.g., SQLi, XSS)	All
Individual requests containing CVE signals	Any requests containing 1 or more CVE signals applied by <a href="#">virtual patching rules</a>	All
Individual requests containing only anomaly signals	Requests that contain only <a href="#">anomaly signals</a> (e.g., 404, Tor traffic) but no attack or CVE signals	Sampled
Individual requests containing custom signals	Requests containing custom signals but no attack or CVE signals. See <a href="#">Custom Signals</a> for more information about creating and using signals.	Sampled
Individual requests containing only API or ATO templated rules signals, known as informational signals	Requests which are tagged with <a href="#">only a specific set of API or ATO templated rules signals</a> , and no custom, anomaly, attack, or CVE signals	Timeseries only
Individual requests that aren't tagged with a signal	Requests containing no signals	Not stored

**Note:** Any requests containing at least one attack or CVE signal will be stored,

including requests that also have anomaly, informational, or custom signals.