title: NginxPlus Monitoring Integration description: The Sematext monitoring agent can collect many metrics from NginxPlus instances, including requests, reading, writing, waiting, active and more. Utilize built-in anomaly detection, threshold, and heartbeat alerting and send notifications to email and various chatops messaging services. Correlate events & logs, filter metrics by server or time, and visualize your cluster's health with out of the box graphs and custom dashboards

Integration

- Agent: https://github.com/sematext/sematext-agent-nginx
- Instructions: https://apps.sematext.com/ui/howto/Nginx-Plus/overview

Metrics

Metric Name Key *(Type)* *(Unit)*	Description
cache size**nginxp.cache.size** *(long gauge)*	The current size of the cache
max cache size**nginxp.cache.size.max** *(long gauge)*	The limit on the maximum size of the cache specified in the configuration
cold state**nginxp.cache.cold** *(long gauge)*	The number of time cache in cold state
responses hits**nginxp.cache.hits.responses** *(long counter)*	The number of responses read from the cache
responses hits size**nginxp.cache.hits.bytes** *(long counter) (bytes)*	The number of bytes read from the cache
stale responses**nginxp.cache.stale.responses** *(long counter)*	The number of stale responses read from the cache
stale responses size**nginxp.cache.stale.bytes** *(long counter) (bytes)*	The number of stale bytes read from the cache
updating responses**nginxp.cache.updating.responses** *(long counter)*	The number of updating responses read from the cache
updating responses size**nginxp.cache.updating.bytes** *(long counter) (bytes)*	The number of updating bytes read from the cache

Metric Name Key *(Type)* *(Unit)*	Description
revalidated responses **nginxp.cache.revalidated.responses** *(long counter)*	The number of revalidated responses read from the cache
revalidated responses size **nginxp.cache.revalidated.bytes** *(long counter) (bytes)*	The number of revalidated bytes read from the cache
cache missed responses **nginxp.cache.miss.responses** *(long counter)*	The number of responses not taken from the cache
miss responses size **nginxp.cache.miss.bytes** *(long counter) (bytes)*	The number of bytes read from the proxied server
miss responses written **nginxp.cache.miss.responses.written** *(long counter)*	The number of miss responses written to the cache
miss written size **nginxp.cache.miss.bytes.written** *(long counter) (bytes)*	The number of miss bytes written to the cache
expired responses **nginxp.cache.expired.responses** *(long counter)*	The number of expired responses not taken from the cache
expired responses size **nginxp.cache.expired.bytes** *(long counter) (bytes)*	The number of expired bytes written to the cache
expired responses written **nginxp.cache.expired.responses.written** *(long counter)*	The number of expired responses written to the cache
expired responses written size **nginxp.cache.expired.bytes.written** *(long counter) (bytes)*	The number of expired bytes written to the cache
bypass responses **nginxp.cache.bypass.responses** *(long counter)*	The number of bypass responses not taken from the cache
bypass responses size **nginxp.cache.bypass.bytes** *(long counter) (bytes)*	The number of bypass bytes written to the cache
bypass responses written **nginxp.cache.bypass.responses.written** *(long counter)*	The number of bypass responses written to the cache
bypass responses written size **nginxp.cache.bypass.bytes.written** *(long counter) (bytes)*	The number of bypass bytes written to the cache

Metric Name Key *(Type)* *(Unit)*	Description
accepted connections **nginxp.connections.accepted** *(long counter)*	The number of accepted client connections
dropped connections **nginxp.connections.dropped** *(long counter)*	The number of idle client connections
active connections **nginxp.connections.active** *(long gauge)*	The current number of active connections
idle connections **nginxp.connections.idle** *(long gauge)*	The current number of idle client connections
total requests **nginxp.requests** *(long counter)*	The total number of client requests
current active requests **nginxp.requests.current** *(long gauge)*	The current number of client requests
zone total requests **nginxp.zone.requests** *(long counter)*	The total number of client requests received from clients
processing requests **nginxp.zone.requests.processing** *(long gauge)*	The number of client requests that are currently being processed
discarded requests **nginxp.zone.requests.discarded** *(long counter)*	The number of requests completed without sending a response
received clients data **nginxp.zone.traffic.rx.bytes** *(long counter) (bytes)*	Bytes received from clients
sent clients data **nginxp.zone.traffic.tx.bytes** *(long counter) (bytes)*	Bytes sent to clients
1xx responses **nginxp.zone.responses.1xx** *(long counter)*	The number of responses with status codes 1xx
2xx responses **nginxp.zone.responses.2xx** *(long counter)*	The number of responses with status codes 2xx
3xx responses **nginxp.zone.responses.3xx** *(long counter)*	The number of responses with status codes 3xx

Metric Name Key *(Type)* *(Unit)*	Description
4xx responses **nginxp.zone.responses.4xx** *(long counter)*	The number of responses with status codes 4xx
5xx responses **nginxp.zone.responses.5xx** *(long counter)*	The number of responses with status codes 5xx
total responses **nginxp.zone.responses** *(long counter)*	The total number of responses
status backup **nginxp.upstream.server.backup** *(long gauge)*	A value indicating whether the server is a backup server
server weight **nginxp.upstream.server.weight** *(long gauge)*	Weight of the server
state up **nginxp.upstream.state.up** *(long counter)*	Server is up
state down **nginxp.upstream.state.down** *(long counter)*	Server is down
state unavailable **nginxp.upstream.state.unavailable** *(long counter)*	Server is unavailable
state unhealthy **nginxp.upstream.state.unhealthy** *(long counter)*	Server is unhealthy
received data **nginxp.upstream.traffic.rx.bytes** *(long counter) (bytes)*	The number of bytes sent to this server.
sent data **nginxp.upstream.traffic.tx.bytes** *(long counter) (bytes)*	The number of bytes received from this server
upstream check fails **nginxp.upstream.checks.fail** *(long counter)*	The number of unsuccessful attempts to communicate with the server
upstream check unavailable **nginxp.upstream.checks.unavailable** *(long counter)*	How many times the server became unavailable for client requests (state "unavail") due to the number of unsuccessful attempts reaching the max_fails threshold
downtime **nginxp.upstream.downtime** *(long counter) (ms)*	Total time the server was in the unavail/checking/unhealthy states

Metric Name Key *(Type)* *(Unit)*	Description
downstart **nginxp.upstream.downstart** *(long gauge) (ms)*	The start (in milliseconds since Epoch) when the server became unavail/checking/unhealthy
total responses **nginxp.upstream.responses** *(long counter)*	The total number of responses obtained from the server
1xx responses **nginxp.upstream.responses.1xx** *(long counter)*	The number of responses with status codes 1xx
2xx responses **nginxp.upstream.responses.2xx** *(long counter)*	The number of responses with status codes 2xx
3xx responses **nginxp.upstream.responses.3xx** *(long counter)*	The number of responses with status codes 3xx
4xx responses **nginxp.upstream.responses.4xx** *(long counter)*	The number of responses with status codes 4xx
5xx responses **nginxp.upstream.responses.5xx** *(long counter)*	The number of responses with status codes 5xx
upstream health checks **nginxp.upstream.health.checks** *(long counter)*	The total number of health check requests made
upstream health fails **nginxp.upstream.health.fails** *(long counter)*	The number of failed health checks
upstream unhealthy count **nginxp.upstream.health.unhealthy** *(long gauge)*	How many times the server became unhealthy (state unhealthy)
upstream health last passed **nginxp.upstream.health.passed** *(long gauge)*	Value indicating if the last health check request was successful and passed tests
active connections **nginxp.upstream.connections.active** *(long gauge)*	The current number of active connections
keepalive connections **nginxp.upstream.connections.keepalive** *(long gauge)*	The current number of idle keepalive connections
zombie connections **nginxp.upstream.connections.zombies** *(long gauge)*	The current number of servers removed from the group but still processing active client requests