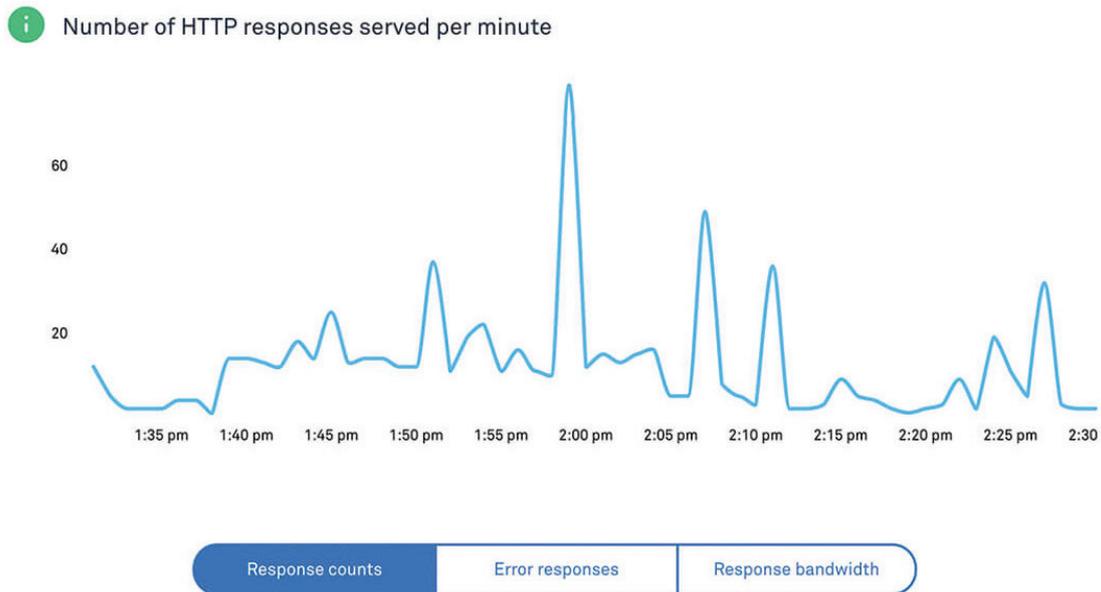


section.io is the only website performance, scalability and security solution which gives developers complete, code-level control over reverse proxy configuration, testing, and global deployment. With DevOps-friendly metrics and logs for continually troubleshooting and tuning selected reverse proxies, section.io enables developers to achieve the highest possible website performance and security.



PRODUCT SHEET

Metrics, Logs and Alerting

section.io was built to integrate with DevOps methods by providing a comprehensive suite of metrics, logs, and alerting tools right within the section.io dashboard. Test configurations, share code and metrics across teams, and use monitoring to continuously diagnose issues and improve your performance and security.

Platform Metrics, Logs and Alerts

section.io gives users to view a complete picture of their website performance and security within one solution. Metrics are backed by Graphite and visualized in customizable Grafana dashboards to provide an aggregated view of how your application is performing over time. ELK Stack logs and flexible alerting ensure you never miss a thing.

Overview Metrics

The overview page in section.io's dashboard shows your reverse proxy "stack" and how your selected proxies interact with your servers and section.io's Edge proxy. The dashboard also shows metrics designed to give a high-level overview of traffic passing through section.io.

- Number of HTTP responses per minute.
- Error responses broken down into 3XX (Redirections), 4XX (Client request errors) & 5XX (Server errors) errors.
- Total amount of bandwidth sent to your customers per minute.

Monitoring

section.io includes robust monitoring data for all accounts so that performance, security, and scalability can continually be monitored and improved within one solution.

Real User Monitoring

RUM data is easily implemented with a simple JavaScript snippet, meaning section.io users can collect valuable data from their visitors before performing a DNS change.

RUM data shows how real-world visitors are experiencing your website performance, broken down by browser and device type. This data can be used to set a baseline before making any performance improvements, and as an ongoing metric to represent how your page load time is holding up over time.

Log Management

section.io gives you your own ELK stack (Elasticsearch, Logstash, and Kibana) within your section.io portal. Request/response logs are available within 10 seconds so you can view logs and troubleshoot in real time.

This enables you to extract the maximum cache hit rate from section.io, ensure your Web Application Firewall is blocking malicious traffic without impacting legitimate users, and identify issues where the content delivery solution may be affecting your web code.

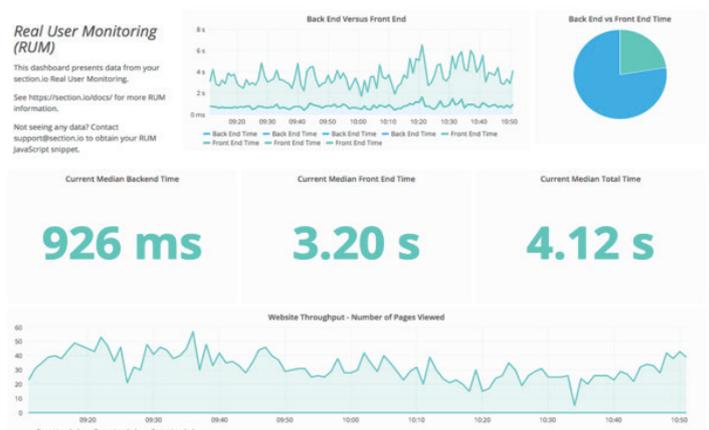
Alerting

Set up custom alerts to immediately inform you when error rates jump, cache hit rates go down, or ModSecurity indicates a potential attack. Use section.io's metrics to trigger alerts or integrate the alerting system with your existing synthetic monitoring system, such as New Relic or Pingdom.

This flexible alerting system gives you the ability to respond to changes in your web application that impact the user experience, rather than only informing you when your entire site is down.

Synthetic Monitoring

section.io's synthetic data monitors your site regularly to provide performance data even when visitors are not accessing your website. This data is useful in showing trends over time and how changes made to your caching and content delivery configuration impacts page load times. Data includes page load times, request types and sizes, SpeedIndex and more.



Reverse Proxy Metrics

When you build your custom reverse proxy stack for performance and security you will have access to proxy-specific metrics for Varnish Cache, PageSpeed, ModSecurity, and other proxies running through section.io. Threat X metrics can be viewed in the separate Threat X Web Application Firewall dashboard.

Varnish Cache Metrics

Varnish Cache metrics are designed to show you how your caching configuration is working and give you opportunities to improve cache hit rate and achieve a higher level of performance. By viewing trend data you can see how your caching performs over time.

- Hit, pass, miss rates by content type including HTML, images, JavaScript, CSS.
- Request counts and bytes per minute.
- Time to serve by Cache Hit/Miss/Pass and response code.
- Throughput by response code.

ModSecurity Metrics

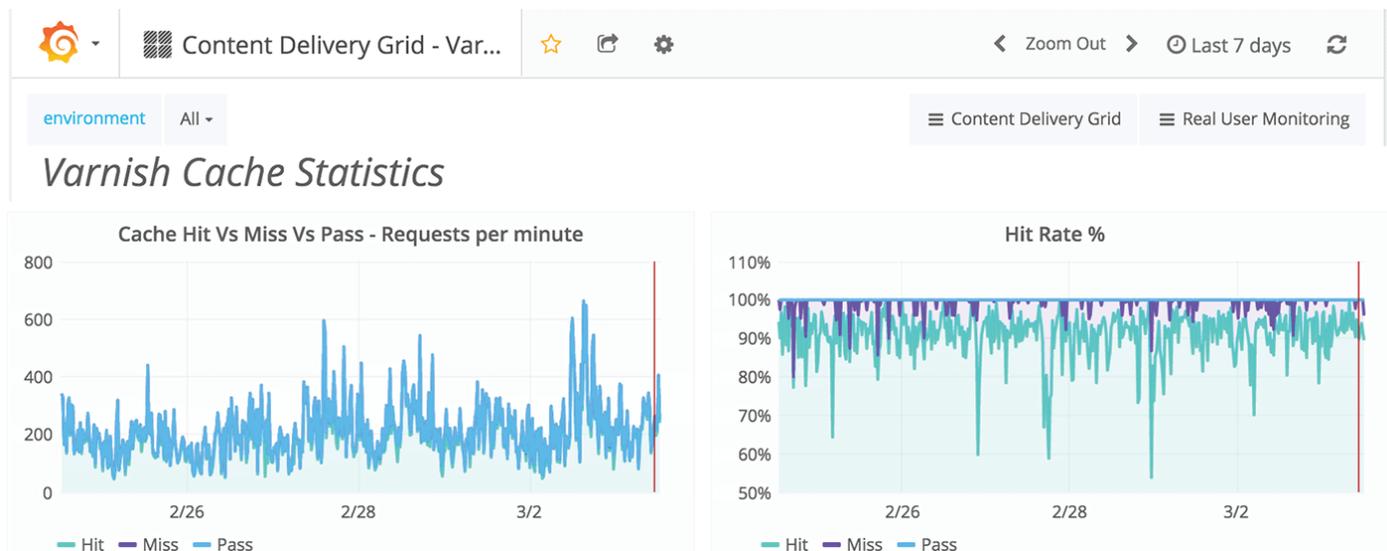
ModSecurity's Web Application Firewall is based on rules you set to block potential threats, and needs regular tuning to make sure malicious activity is being blocked while legitimate traffic comes through. section.io's ModSecurity metrics make this easy by providing:

- Request throughput inspected.
- Most active rules triggered.
- Most active countries triggering rulesets.
- Processing time per response.

PageSpeed Metrics

The metrics for Google's PageSpeed Front End Optimization module allow you to diagnose issues with your PageSpeed set up so you can ensure image optimization, cache control, CSS minification and more are working correctly.

- Resources not loaded due to fetch failure.
- Cache misses and cache lookups expired.
- Image rewrite failures.



GET IN TOUCH

In addition to a comprehensive suite of metrics, logs, and monitoring tools section.io offers a choice of reverse proxies, local development environment, SSL certificates, HTTP/2 and more. To contact section.io and set up a demo of our platform please contact info@section.io or call +1-844-325-9500.