

OVERRIDE

User Guide

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SEO Brain Lab
Advanced Web Traffic Generator
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1. Overview

OverRider is a professional web traffic generator that generates real human-like web traffic with dual browser engine support, advanced multithreading, and real-time monitoring capabilities. Designed for Webmasters, Freelancers, SEO professionals, digital marketers, and web developers, OverRider provides a comprehensive solution for simulating and testing web traffic patterns.

Key Features:

- Dual browser engine support (Engine-1 and Engine-2)
- Advanced multi-threading for concurrent requests
- Human behavior simulation (scrolling, clicking, realistic timing)
- Comprehensive proxy support with authentication
- Real-time monitoring and detailed analytics
- Flexible referrer configuration for organic traffic simulation

2. General Tab

URL Configuration

- **Target URLs:** Enter destination websites, one per line
- Supports both HTTP and HTTPS protocols
- Automatic protocol validation and formatting

Referer Configuration

- **Manual Entry:** Manually input referrer URLs for custom traffic sources
- **Automated Generator:** Use the 'Add Referers' button for quick setup
- **Organic Search:** Generate search engine referrers (Google, Bing, Yahoo) with custom keywords
- **Organic Social:** Simulate traffic from social media platforms (Facebook, Twitter, Instagram, LinkedIn)

Proxy Configuration

- **Supported Formats:** http://user:pass@proxy:port or http://proxy:port
- **Proxy Types:** HTTP and SOCKS5 proxies fully supported
- **Management:** Load/save proxy lists from files or database
- **Rotation:** Automatic proxy rotation for each request

User Agent Configuration

- **System Defaults:** Pre-loaded database of modern browser user agents
- **Custom Agents:** Define your own user agent strings for specific testing scenarios
- **Auto-Rotation:** Randomized user agent selection for each request

Duration Settings

- **Threads:** Configure concurrent connections (1-100 workers)
- **Visits-Based:** Run until a specific number of successful visits
- **Time-Based:** Run for a defined duration (HH:MM format)

3. Advanced Tab

Note: It is recommended to keep default settings for optimal results unless you have specific testing requirements.

Browser Engine Settings

- **Engine-1:** Faster processing with Puppeteer/Selenium. Ideal for high-volume uses
- **Engine-2 (Default):** Better success rate with Playwright. Recommended for production use
- **Human Behavior:** Simulate realistic interactions including mouse movements, scrolling, and random delays

Resource Loading Control

- **Load Images:** Toggle image loading for bandwidth optimization
- **Load CSS:** Control stylesheet loading
- **Load JavaScript:** Enable/disable JavaScript execution

Timing Configuration

- **Page Load Wait:** Maximum time to wait for page loading (default: 30 seconds)
- **Min Stay Time:** Minimum time to stay on each page (default: 30 seconds)
- **Max Stay Time:** Maximum time to stay on each page (default: 120 seconds)

4. Engines

Engine Installation

- **Engine-1 Installation:** Click 'Install Engine-1 Browser' to download Puppeteer Chrome (~150MB)
- **Engine-2 Installation:** Click 'Install Engine-2 Browser' to download Playwright Chromium (~300MB)
- **Background Installation:** UI remains responsive during download and installation
- **Auto-Detection:** Status updates automatically upon completion
- **Startup Check:** Missing engines are detected at startup with installation prompt

5. Logs & Results Tab

Real-time Statistics Dashboard

- **Elapsed Time:** Total runtime with progress indicator
- **Requests/Second:** Current throughput rate
- **Success Rate:** Percentage of successful requests
- **Average Response Time:** Mean page load time across all requests
- **Active Threads:** Number of currently running workers

Live Traffic Log

- **Worker Identification:** Each activity tagged with worker ID for tracking
- **Status Indicators:** Visual success (✓) and failure (✗) markers
- **Error Details:** Comprehensive error messages for troubleshooting
- **Navigation Tracking:** Referrer setup and page navigation activities logged
- **Request Completion:** Real-time updates on request status

Detailed Traffic Results Table

- **Request Details:** URL, status code, response time, total time
- **Response Time:** Shows '-' when timeout occurs before response received
- **CSV Export:** Export complete results for external analysis
- **Sortable Columns:** Click headers to sort by any metric
- **Worker Tracking:** Identify which worker handled each request

6. Traffic Control

Starting Traffic Simulation

- Click 'Start Traffic' button or use keyboard shortcut **Ctrl+S**
- Workers initialize and start in background threads
- UI remains fully responsive during execution
- Real-time statistics and logs update automatically

Stopping Traffic Simulation

- **Normal Stop:** Click 'Stop Traffic' button or press **Ctrl+T**
- **Graceful Shutdown:** Workers complete current requests before stopping
- **Auto Force-Stop:** After 10 seconds, option to force-terminate appears if workers haven't stopped
- **Process Cleanup:** Force stop safely kills only child browser processes
- **Background Operation:** Force stop runs in background thread to maintain UI responsiveness

7. Best Practices

Performance Optimization

- Start with 5-10 threads and gradually increase based on system performance
- Use headless mode for better resource utilization
- Disable image/CSS/JS loading if full page rendering isn't required

Traffic Quality

- Use realistic referrers that match your target analytics profile
- Configure at least 5-6 diverse referrers to simulate multiple traffic sources
- Use system default user agents for maximum compatibility
- Enable human behavior simulation for more authentic traffic patterns

Proxy Management

- Use high-quality, residential proxies for better success rates
- Rotate proxies regularly to avoid IP-based rate limiting
- Test proxy connectivity before large-scale operations
- Monitor proxy performance through success rate metrics

Monitoring and Maintenance

- Actively monitor live logs for errors and warnings
- Export results regularly for historical analysis
- Keep software updated for latest features and security fixes
- Install both engines for maximum flexibility (Engine-2 recommended as primary)

8. Keyboard Shortcuts

Action	Shortcut	Description
Start Traffic	Ctrl + S	Begin traffic simulation
Stop Traffic	Ctrl + T	Stop traffic simulation
Exit Application	Ctrl + Q	Close OverRider
User Guide	F1	Open this guide
Keyboard Shortcuts	Ctrl + K	View shortcuts reference
Next Field	Tab	Navigate to next field

Activate Button	Enter	Activate focused button
Close Dialog	Escape	Close active dialog
Switch Tab	Ctrl + Tab	Cycle through tabs

9. Troubleshooting

Request Timeout Errors

- **Symptom:** Seeing 'Request timeout (XXXs exceeded)' errors
- **Cause:** Page load or stay time exceeds calculated timeout threshold
- **Solution:** Increase 'Page Load Wait' and/or 'Max Stay Time' in Advanced tab
- **Note:** Timeout calculation includes retries and referrer navigation time
- **Response Time:** Shows '-' when timeout occurs before HTTP response received

Engine Not Available

- **Check Status:** Navigate to Advance tab to view installation status
- **Install Engine:** Click corresponding install button for missing engine
- **Requirements:** Active internet connection required for download
- **Patience:** Engine-1 (~150MB) and Engine-2 (~300MB) downloads may take time
- **Verification:** Status updates automatically after successful installation

Force Stop Not Working

- **Normal Behavior:** Force stop dialog appears 10 seconds after stop button clicked
- **Safe Operation:** Only child processes spawned by OverRider are terminated
- **Background Processing:** Force stop runs in separate thread - UI stays responsive
- **Manual Cleanup:** If processes persist, check Task Manager for chromium/node processes

High Memory Usage

- **Reduce Threads:** Lower concurrent worker count
- **Enable Headless:** Reduces memory overhead significantly
- **Disable Resources:** Turn off image/CSS loading if not needed
- **Regular Restarts:** Stop and restart simulation periodically for long runs

Low Success Rate

- **Check Proxies:** Verify proxy quality and connectivity
- **Increase Timeouts:** Some sites may be slow to respond
- **Switch Engine:** Try Engine-2 for better success rate
- **Review Logs:** Check live traffic log for specific error patterns

Need Additional Help?

Contact our technical support team for assistance

Email: support@overrider.io