TRAFFIC CONTROL

A proprietary feature of Crowdcontrol—improving control, visibility, and coverage for crowdsourced security testing

COVERAGE IS KING!

Crowdcontrol™ – A powerful all-in-one platform for simplified vulnerability reporting, management, and bounty payouts, connecting your organization to a global community of trusted hackers, now includes *Traffic Control–augments the way organizations manage their SDL and network infrastructure testing needs.* Traffic Control is a proprietary Bugcrowd feature designed to improve visibility, coverage, reporting, and your organization's security posture.

Traffic Control allows security teams to capture traffic logs and inspect SSL/TLS traffic to designated targets, paving the way for better test coverage and reporting by utilizing VPN technology. Through Traffic Control organizations can have reports generated quantifying the depth and breadth of their programs; thus enabling security teams to convey testing coverage to stakeholders.

The use of a VPN ensures safe point to point connectivity between researchers and organizations. Drive organizational awareness throughout your crowdsourced program giving visibility and coverage regarding the performance of each target. Traffic Control gives organizations a simple solution for provisioning access and controlling tester activity on a per-program basis through the Crowdcontrol platform.

TESTING NEEDS

- **Provisional Access**
  Control what targets are available for testing by providing provisional access through Traffic Control.

- **Security and Visibility Requirements**
  Implement a secure testing methodology which offers visibility into the testing behavior of the researcher community and program health.

- **Greater Test Coverage**
  Measure the depth and breadth of testing to ensure that auditors and stakeholders can visibly see the amount of coverage each target has received.

TRAFFIC CONTROL OFFERS OUR CUSTOMERS

Coverage

Understand the breadth and depth of testing through a program activity report highlighting the number of touches on each URL tested.

Control

Assign access to your testing environment for greater control. Suspend researchers who step outside the lines of your program's policies.

Visibility

Improve your program's health by gaining visibility into researcher activity throughout your program's lifecycle. Drive researchers towards untouched targets.

Security

Create secure point to point tunneling between your organization and the researcher community preventing data leakage. Controlling sensitive information at the endpoint.

Reporting

Create reports highlighting program activity and testing coverage to meet your compliance and regulatory needs.

TRAFFIC CONTROL...

...enables security teams to gain extensive visibility and situational awareness into whether certain URLs have been tested–highlighting the amount of coverage they are receiving.

This allows you to guide researchers into areas with minimal touch points. Our team of experts will help your organization efficiently scope programs and select specific researchers based on skill to maximize results, creating an environment where everyone wins; researchers get more opportunities to collect on bounties while organizations reap the benefits of uncovering more, high-quality vulnerabilities and testing coverage.

...allows customers to control their testing infrastructure.

Provision a stronger security posture by blacklisting unwanted traffic through our Traffic Control solution.

...uncovers the level of testing completed on an organization's targets.

Gain peace-of-mind by highlighting test coverage results on targets against valid vulnerabilities to better measure the strength of your program by communicating the findings to auditors and stakeholders.

"Bugcrowd continues to provide best-in-class support to ensure the success of our crowdsourced security program, and ultimately our platform. The vulnerability information we gain from our program is incredibly important, but the additional data we glean from Traffic Control provides a complete picture of the testing coverage of our platform. Bugcrowd continues to innovate, providing us with the coverage we just could not gain with our internal team alone."

—Johnathan Hunt, VP of Information Security at InVision

...helps identify the source of any inappropriate testing traffic, so corrective actions can be

Each researcher is given a unique set of credentials for instances using Traffic Control's VPN, expediting the processes of detecting who is responsible and quickly restricting access without disrupting the other researchers' testing efforts – eliminating the ability for researchers to share credentials.

WHY THIS BENEFITS YOU

Crowdsourced security testing has proven to be a cost-effective solution for uncovering vulnerabilities in organizations by augmenting their SDL and addressing the shortage of security resources in the industry. It's not uncommon for an organization to question the level of trust and security of an emerging solution that challenges the status quo. The rapid evolution of today's security landscape forces customers to maintain and build a stronger SDL while competing to deliver innovative solutions that meet organizations and stakeholders expectations.

Bugcrowd can help safely test your organization's assets–we offer a trusted, crowdsourced security testing platform through a host of programs via Crowdcontrol. Traffic Control's VPN enables organizations to track testing coverage that can be passed along to auditors and presented to stakeholders. This report provides information that will help your team better understand the breadth and depth of testing in relevance to your program's scope.

Traffic Control adds an additional layer of security and visibility to Crowdcontrol–increasing trust between customers, researchers, and Bugcrowd.

HOW DOES IT WORK?

During program setup, a customer whitelists one or more Bugcrowd-specified IP addresses within a firewall, in front of the target. After launch, researchers are instructed on how to access the target and provided the credentials required to access it via Traffic Control. Improve trust with the researcher community by simplifying access to programs while helping them find a target rich environment. With Traffic Control, researchers don't need to configure complicated upstream forward proxy settings.

- *We will provide each researcher on a Traffic Control enabled program with a Unique VPN Configuration file that they will use with their VPN Application of choice.*

- *Once loaded into the application and started-up, the researcher will be able to access the testing targets.*

Because each credentials file corresponds to an isolated VPN server endpoint that allows one connection at a time, if a researcher is adversely affecting the availability of any targets, Bugcrowd is able to cut off access for that individual researcher while still preserving access for the rest of the researchers on the bounty.

ADDITIONAL SPECS

- Researchers connect using OpenVPN, encrypting traffic between their machine and our server.

- Extensive per-program and per-researcher architectural isolation (as well as isolation from our other Crowdcontrol infrastructure).

- We perform selective SSL/TLS introspection for important domains related to the bounty while leaving SSL/TLS connections to unrelated domains untouched.

WHAT IS CROWDCONTROL?

Bugcrowd's powerful all-in-one platform for simplified vulnerability reporting, management, and payouts, connecting your organization to a global community of trusted hackers. This diverse and skilled crowd of hackers helps you identify security vulnerabilities before the adversaries do. From start to finish, our platform makes running a crowdsourced security program seamless and delivers immense ROI.

You're in control, but we're here to help.

BUGCROWD IS HERE TO HELP

Every Bugcrowd program includes our white glove services, at no additional cost. Our teams provide you with the technical expertise, service consistency, and flexibility across various technologies, and geographies. Reduce your overhead, augment your existing security teams capabilities, and improve efficiency by leveraging Bugcrowd's elasticity, methodologies, and high levels of standardization when it comes to application development and security.

We make setting up and running a program simple, easy, and intuitive:

- *Onboard customers to ensure a proper scope of work is created to successfully to manage your organization's program.*

- *Work one-on-one with the best researchers, determining the severity and validity of vulnerabilities reported.*

- *Enrich vulnerability reports to ensure submissions are actionable.*

- *Manage expectations between researchers and the organization.*

- *Handle incidents and manages direct communication with researchers to facilitate healthy relationships.*

Want to learn more?

Sign-up for a live demo of Crowdcontrol and learn what it takes to run a successful bug bounty program with Bugcrowd.

www.Bugcrowd.com/LiveDemo
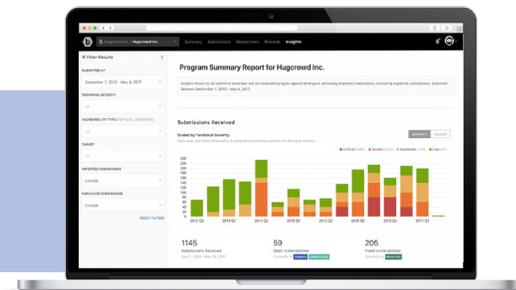
*Disclaimer: Currently VPN traffic control is only available for private Bug Bounty Programs
Targets Include: Internal or Staged Environments*