

M³AAWG @ LACNIC Update: Developing an Anti-Abuse Community

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27 September 2016 LACNIC 26, San Jose, Costa Rica



LACNIC-M³AAWG Partnership Why Are We Here?





Messaging Malware Mobile Anti-Abuse Working Group

Comunicado de prensa Para publicación inmediata

LACNIC y la comunidad latinoamericana de seguridad operacional se unen a M³AAWG para combatir las amenazas en línea

San Francisco, 31 de marzo de 2016 – LACNIC, el Registro Regional de Internet para América Latina y el Caribe, se ha unido al Grupo de Trabajo Antiabuso de Mensajes, Malware y Móvil para colaborar en temas globales de ciberseguridad. LACNIC es también el foro que convoca al Grupo de Operadores de Red de LAC; LACSEC, el Foro de Seguridad de Redes de la región; y LAC-CSIRT, un foro regional de respuesta a incidentes de seguridad. Como parte de una asociación mutua para luchar contra las amenazas en línea, M³AAWG también se ha unido a LACNIC para interactuar con estos proveedores de servicios y comunidades de seguridad en línea.

Esta interacción continua permitirá que el M³AAWG tenga acceso a expertos regionales en tendencias operacionales y antiabuso y les dará la oportunidad de desarrollar soluciones conjuntas relevantes que aborden las tendencias actuales en el área de la ciberseguridad y la ciberdelincuencia. LACNIC, el Registro de Direcciones de Internet para América Latina y el Caribe, tendrá acceso a la variada experiencia de los miembros del M³AAWG y su permanente trabajo en el desarrollo de mejores prácticas.

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Developing a LAC Anti-Abuse Community Presentations This Week



Title	Presenters	Time	Location
M ³ AAWG Best Common Practices	Dennis Dayman, M3AAWG Board and Vice-Chair	1800-1900 Tuesday 27 September	Greco
Economics of Abuse Operations: Concepts and Application to Hosting	Tobias Knecht, CEO Abusix Jesse Sowell, M ³ AAWG, Stanford Matthew Stith, M ³ AAWG, Rackspace	1630-1800 Wednesday 28 September	Aguamarina

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Overview



- → What abuse and anti-abuse?
- \rightarrow What is M³AAWG?
- → What is M³AAWG's role in anti-abuse?

→ How to contribute!



Anti-Abuse Dynamics

Anti-Abuse and Attribution The Blame Game



Unraveling precisely why a network is on a blocking list is not always easy

What are the pragmatics of anti-abuse and attribution?

- What constitutes abuse?
- → How have abuse indicators evolved?
- Fundamental economics of abuse and anti-abuse operations



Anti-Abuse and Attribution **Prescriptive Ethos**



"all information exchanges on the Internet *should be consensual*, and unless you choose to receive [traffic] from a third party, you should not *have to* accept it"¹

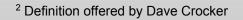
Just because there is a *legitimate route* to a destination doesn't mean all traffic *using that route* is legitimate

Provides a *prescriptive ethos*, but doesn't help with *practical application*



Anti-Abuse and Attribution **Evolution, Issues, and Pragmatics**

- "abuse is what customers complain about"²
- **1.** Subjective \rightarrow Objective indicators
- 2. Indicators are *always* error-prone
- **3.** Continuous development and evaluation of indicator performance
- 4. Focus has shifted from inbound to outbound (attribution)
- 5. Who bears the burden?
- Economics of indicators and anti-abuse operations











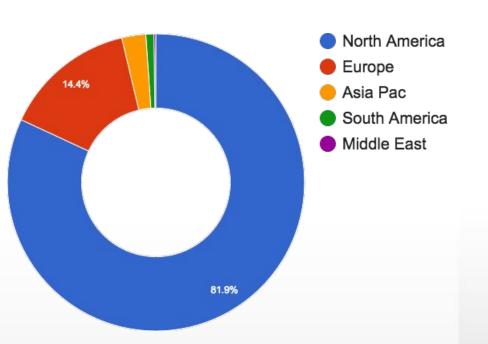
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M³AAWG Overview

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Who is M³AAWG? Industry Anti-Abuse Organization

- "The Messaging, Malware and Mobile Anti-Abuse Working Group (M³AAWG) is where the industry comes together to work against botnets, malware, spam, viruses, DoS attacks and other online exploitation"
- → 200 member orgs worldwide
- → 300-400 conference participants
- technology-neutral, non-political working body focusing on operational issues of Internet abuse
 - Supporting technologies
 - Industry collaboration
 - Informing Public Policy

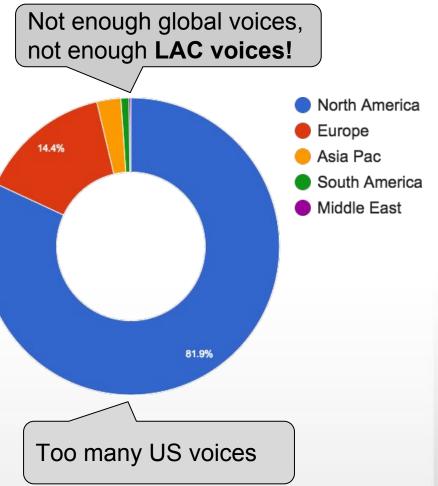




Who is M³AAWG? We Need LAC Contributions

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Mobile: addressing messaging and malware issues emerging on mobile as an increasingly ubiquitous platform

Messaging: abuse on any messaging

Malware: abuse is often just a symptom

and vector for viruses and malicious code

platform, from e-mail to SMS texting

Develop and Publish:

 \rightarrow Best practice papers

 \rightarrow

 \rightarrow

 \rightarrow

- Position statements \rightarrow
- Training and educational videos \rightarrow

Public Policy and Industry Guidelines

https://www.m3aawg.org/for-the-industry/published-comments

The Anti-Bot Code of Conduct for Internet Service **Providers**

https://www.m3aawg.org/abcs-for-ISP-code

What Does M³AAWG Do? **Distill Industry Knowledge into BCPs** The "M" cubed:

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Post-Send V

Tools and F





What Does M³AAWG Do? Distill Industry Knowledge into BCPs

Latest **BCPs**

- → <u>M³AAWG Best Current Practices For</u> <u>Building and Operating a Spamtrap,</u> <u>Ver. 1.2.0</u>
- → Using Generic Top Level Domain Registration Information (WHOIS Data) in Anti-Abuse Operations
- → <u>M³AAWG Introduction to Traffic</u> <u>Analysis</u>

Ongoing Work

- DDoS Protection for All
- → DDoS Victim Preparation Guide



M*AAWG Messaging, Malware and Mobile Anti-Abuse Working Group P.O. Box 29920 = San Francisco, CA 94129-0920 = www.m3aawg.op



What Does M³AAWG Do? Who Do We Work With?

- → Unsolicited Commercial Enforcement Net
 - Operation Safety Net
- → Internet Society
 - Provided training material
- → i²Coalition
 - Hosting BCP
- → EastWest Institute
 - 2013 Cyber Security Award for China & India Work
- → Anti-Phishing Working Group (APWG)
 - Anti-Phishing Best Practices for ISPs and Mailbox Providers

→ LACNIC!

 Looking forward to updating BCPs to reflect dynamics in the LAC region







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Anti-Abuse Community Development

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Developing and Anti-Abuse Community Fostering Collaboration



M³AAWG's work relies on:

- → working group participation, in the spirit of
- → cooperation, to create
- → effective and efficient
 anti-abuse outcomes
- → in a *trusted* environment



Chatham House Rules Community Trust and Safety



Trust is key to all of M³AAWG's activities

→ Respect M³AAWG anonymity: Blogging, tweeting, posting, and publishing content from M³AAWG requires permission from presenters and M³AAWG

Outcome: M³AAWG participants can safely share information critical to solving technical abuse problems without fear of retribution from other industry actors or criminals whose illegitimate businesses impacted by anti-abuse efforts



Chatham House Rules Ongoing Reminder



What occurs in a M³AAWG meeting cannot be shared outside the membership

- New! Attendees can blog, tweet and post about selected, pre-approved sessions only. These sessions open with a GREEN LIGHT slide. No posting or external communications from all sessions with a RED LIGHT slide when the session is closed. Please reference @maawg or #m3aawg37 where we are also tweeting.
- In all cases, respect M³AAWG anonymity: No publishing people or company names, except as cited on the official M³AAWG channels: @maawg, facebook.com/maawg, google plus
- No use of Wireshark or similar products on the M³AAWG network
- No photography No video No audio recording
- Any exception requires written permission from the Executive Director and may require permission from the session members
- All meeting attendees must wear and have their M³AAWG badge visible at all times during the meeting
- Please silence all electronic devices; be courteous to those listening to the presentations
- DO NOT LEAVE YOUR BELONGINGS UNATTENDED. Be aware and cautious at all times

Treat all attendees respectfully in and out of sessions. No less will be tolerated. Please review our meeting Conduct Policy at <u>http://www.m3aawg.org/page/m3aawg-conduct-policy</u>

For questions, please contact Jerry Upton at: jerry.upton@m3aawg.org

Committees, SIGs, and BoFs Where the Work is Done

Technical

Messaging Malware Mobile DDoS SIG Internet of Things BoF **Collaboration Committee** Abuse Desk SIG Anti-Phishing SIG Public Policy Committee Information Sharing SIG **Bot & Messaging Metrics** Senders Committee Hosting Committee Pervasive Monitoring SIG Identity Management SIG Voice & Telephony Abuse SIG **Brands SIG**





Contributing to Working Groups **Participation and Commitments**



	Low	Medium	High
Time	Quick but necessary tasks	Tasks like annotating a document or finding a speaker	Document champion or editor, chairs and vice chairs, board
Expertise	Basic anti-abuse knowledgea willingness to put forth effort and learn!	Experience or with workflows of quick and medium tasks; specialized expertise in a domain	Experience at multiple meetings and in multiple medium leadership roles
Accountability	Ability to turn around short tasks quickly	Ability to organize low tasks and update collaborators on status of medium tasks	Take responsibility for major M ³ AAWG initiatives such as a full session, meeting planning, reports like the Botnet report



www.m3aawg.org

Questions? Volunteers?!!?

Drop me a line at jsowell@m3aawg.org