TLD-OPS Update
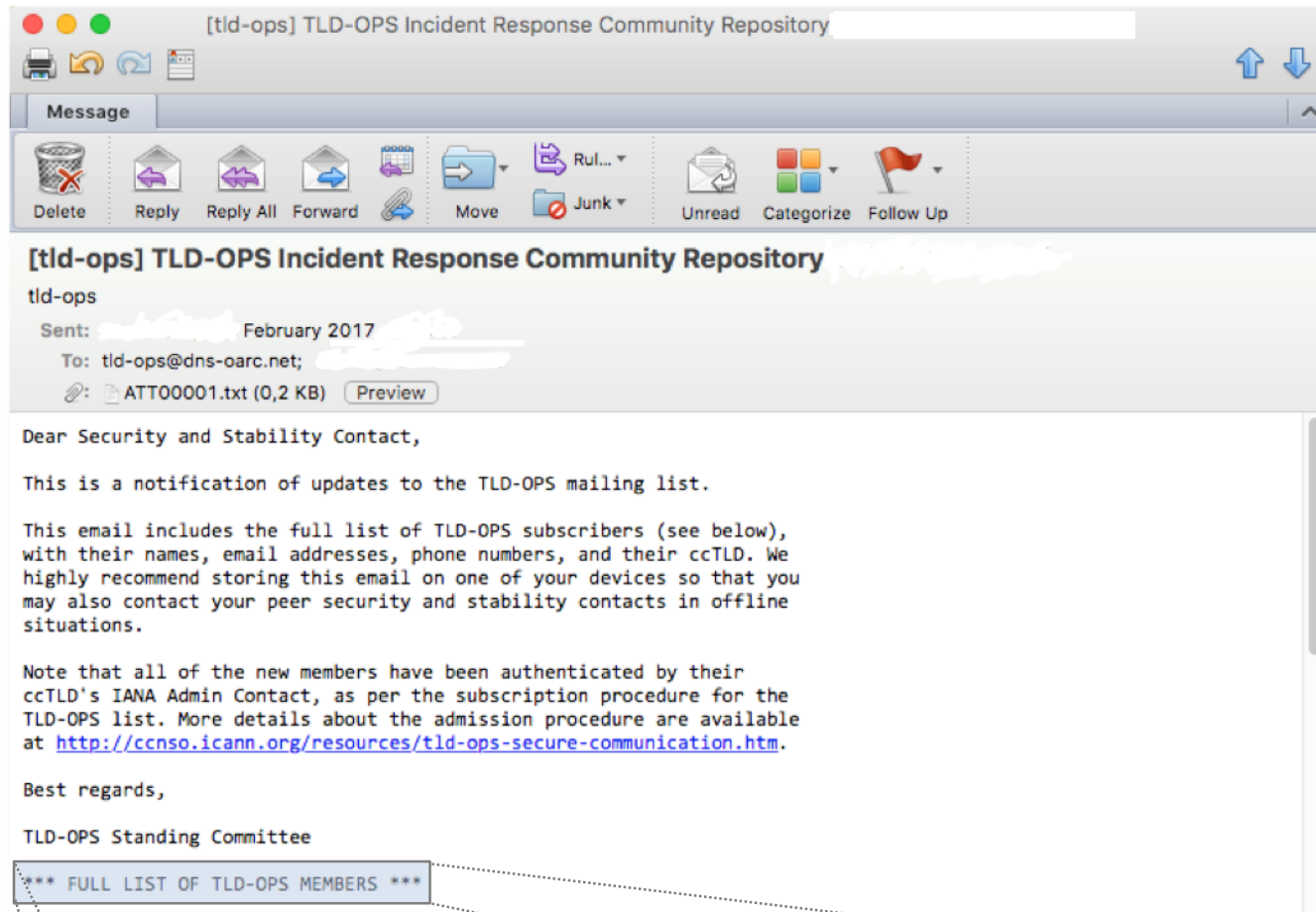## ccTLD Security and Stability Together

ccNSO Members Day

October 31, 2017
ICANN60, Abu Dhabi

Jacques Latour, .ca (TLD-OPS Standing Committee Chair)

ccNSO   ICANN

TLD-OPS

- Global technical incident response community *for and by ccTLDs*, open to *all* ccTLDs

- Brings together 345+ people who are responsible for the operational security and stability of 192 different ccTLDs

- Goal: enable ccTLD operators to collaboratively detect and mitigate incidents that may affect the operational security and stability of ccTLD services and of the wider Internet

- Further *extends* members' existing incident response structures, processes, and tools and *does not* replace them

- Guidance by TLD-OPS Standing Committee
  - ccTLD reps and Liaisons (SSAC, IANA, ICANN's security team)

ccNSO   ICANN

Contact Repository Email

[tld-ops] TLD-OPS Incident Response Community Repository

[tld-ops] TLD-OPS Incident Response Community Repository

tld-ops

Sent: February 2017

To: tld-ops@dns-oarc.net;

📎: ATT00001.txt (0,2 KB) [Preview]

Dear Security and Stability Contact,

This is a notification of updates to the TLD-OPS mailing list.

This email includes the full list of TLD-OPS subscribers (see below), with their names, email addresses, phone numbers, and their ccTLD. We highly recommend storing this email on one of your devices so that you may also contact your peer security and stability contacts in offline situations.

Note that all of the new members have been authenticated by their ccTLD's IANA Admin Contact, as per the subscription procedure for the TLD-OPS list. More details about the admission procedure are available at http://ccnso.icann.org/resources/tld-ops-secure-communication.htm.

Best regards,

TLD-OPS Standing Committee

*** FULL LIST OF TLD-OPS MEMBERS ***

"John Doe, #1, .nl, +31 123456789" john.doe@nic.nl, john@oarc.net
"Jane Doe, #1, .vn, +84 123456789" jane.doe@nic.vn, jane@oarc.net

Stats: 345+ subscribers from 192 ccTLDs

TLD-OPS Standing Committee

ccNSO   ICANN

TLD-OPS Operations Since ICANN59

- Security alerts
  - No new alerts since last ICANN meeting

- Membership updates
  - Joined: Namibia, Lesotho and Greenland
  - Contact updates: 6 (new, removal)
  - All of Europe and North America now covered ☺ Good work!!!

ccNSO   ICANN

Security Alerts and Queries

#	Description	Month
11	Two DDoS attacks on a registry's name servers	Mar-17
10	Registry front-end compromize due to 0-day vulnerability	Mar-17
9	Queries on latency problems with DNS anycast operator	Dec-16
8	Security warning regarding large volumes of Cutwail Traffic	Nov-16
7	Alert: several members reporting large DNS traffic spikes	Nov-16
6	Security warning for a ccTLD that was hacked	Aug-16
5	Helped ccTLD with problems with their DNS anycast service	Jul-16
4	Security warning on DDoS attack on DNS root	Jun-16
3	Alert: spear-phishing attacks against ccTLD operators	Apr-16
2	Large malvertising campaign targeting popular ccTLD websites	Apr-16
1	A ransomware that used domain names of various ccTLDs	Feb-16

No new alerts since last ICANN meeting

ccNSO   ICANN

TLD-OPS Membership Stats

All	Members	%	Missing	%	Total
Total	*192*	66%	*99*	34%	*291*

ASCII	Members	%	Missing	%	Total
Total	*163*	*67%*	*82*	*33%*	*245*
AF	25	49%	26	51%	51
AP	50	61%	32	39%	82
EU	65	100%	0	0%	65
LAC	18	43%	24	57%	42
NA	5	100%	0	0%	5

IDN	Members	%	Missing	%	Total
Total	*29*	63%	*17*	37%	*46*

Last update: October 24, 2017

ccNSO   ICANN

Standing Committee Results Since ICANN59

- ccNSO council has approved the new TLD-OPS charter
  - To co-ordinate, organize and run, Security related workshops
  - Help to develop high level security frameworks, such that less experienced TLD-OPS members may benefit from the experience of others ensuring that the ccTLD space becomes more secure overall.

- Updated the membership procedure to support secondary email addresses
  - We are now accepting secondary emails for contacts
  - To add, send email at: TLD-OPS-Admin@icann.org

- Planned for a second TLD-OPS workshop at ICANN60
  - DDoS mitigation framework / playbook
  - 20+ confirmed registrations

ccNSO   ICANN

Contact Us If Your ccTLD is on This List!

AF	AP	LAC
.ac Ascension Islands	.az Azerbaijan	.ag Antigua and Barbuda
.ao Angola	.bd Bangladesh	.ai Anguilla
.bj Benin	.bt Bhutan	.bo Bolivia
.cd Congo, the Democratic Repub	.ck Cook Islands	.bs Bahamas
.cf Central African Republic	.cx Christmas Islands	.bz Belize
.cg Congo, Republic of	.dj Djibouti	.cu Cuba
.ci Cote d'Ivorie	.gu Guam	.ec Ecuador
.cm Cameroon	.hm Heard and McDonald Islands	.gf French Guiana
.er Eritrea	.io British Indian Ocean Territory	.gs S. Georgia & the S. Sandwich Is
.et Ethiopia	.kg Kyrgystan	.gy Guyana
.ga Gabon	.kp Korea, Democratic People's Re	.ht Haiti
.gn Guinea	.kz Kazakhstan	.hn Honduras
.gq Equatorial Guinea	.mh Marshall Islands	.jm Jamaica
.gw Guinea--Bissau	.mm Myanmar	.kn Saint Kitts and Nevis
.lr Liberia	.mp Northern Mariana Islands	.ky Cayman Islands
.ml Mali	.mv Maldives	.mq Martinique
.mr Mauritania	.nc New Caledonia	.ms Montserrat
.ne Niger	.nf Norfolk Island	.mx Mexico
.sd Sudan	.np Nepal	.pe Peru
.sl Sierra Leone	.nr Nauru	.sr Suriname
.so Somalia	.om Oman	.sv El Salvador
.st Sao Tome and Principe	.pf French Polynesia	.sx Sint Maarten
.sz Swaziland	.pk Pakistan	.tc Turks and Caicos Islands
.td Chad	.pw Palau	.vc Saint Vincent and the Grenadir
.tg Togo	.tc Turks and Caicos Islands	
.zw Zimbabwe	.tj Tajikistan	
	.tk Tokelau	
	.tm Turkmenistan	
	.to Tonga	
	.tv Tuvalu	
	.ws Samoa	
	.ye Yemen	

ccNSO   ICANN

Objectives ICANN60

- Develop and present a revised TLD-OPS charter

- Develop a strategy for TLD-OPS workshops (ICANN workshop and participating in regional workshop)

- Increase membership by 3 to 190 (now at 192)

ccNSO ICANN

Q&A

TLD-OPS Standing Committee
Frederico Neves, .br
Jacques Latour, .ca (chair)
Erwin Lansing, .dk
Ali Hadji Mmadi, .km
Jay Daley, .nz
Abibu Ntahigiye, .tz
Brett Carr, .uk
Warren Kumari (SSAC contact)
John Crain (ICANN's security team contact)
Kim Davies (IANA contact)

ICANN Staff
Kim Carlson

TLD-OPS Home
http://ccnso.icann.org/resources/tld-ops-secure-communication.htm

TLD-OPS Leaflet
https://ccnso.icann.org/workinggroups/tld-ops-enhanced-incident-response-capabilities-cctlds-14apr16-en.pdf
Arabic, Chinese, English, French, Russian, Spanish, Russian

Contact
Jacques Latour
Standing Committee Chair
+1.613.291.1619
jacques.latour@cira.ca