PCH
Packet Clearing House

Prefix-List Sanity-Checker
A Free Online Tool by and for Network Operators

Version 1.5

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Goals:

An interactive tool to help ISP provisioning techs qualify prefixes that customers want to BGP-advertise.

Generate properly-formatted Cisco and Juniper prefix-lists to cut-and-paste into configurations or provisioning systems.

Input Parsing

Pasted or uploaded text in many formats:

CIDR or classful
Address-ranges (including pre-CIDR)
Cisco or Juniper prefix or filter lists
Cisco route statements
sho ip bgp
sho ip route
RIR whois entries
IRR entries

Analysis

Flag bogons and critical infrastructure like IXP subnets and root / TLD nameservers.

Flag long prefixes.

Table sortable by registrant, country, originating AS, or status.

Graphically map geographic distribution.

Output

Cisco prefix-lists

Juniper prefix-lists

Juniper set-commands

Force-10 Prefix List

Alcatel Prefix-list

Live Demo!

Fingers crossed...

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You need to restart your computer. Hold down the Power button for several seconds or press the Restart button.

Veuillez redémarrer votre ordinateur. Maintenez la touche de démarrage enfoncée pendant plusieurs secondes ou bien appuyez sur le bouton de réinitialisation.

Sie müssen Ihren Computer neu starten. Halten Sie dazu die Einschalttaste einige Sekunden gedrückt oder drücken Sie die Neustart-Taste.

コンピュータを再起動する必要があります。パワーボタンを数秒間押し続けるか、リセットボタンを押してください。

Known Issues

Performance.

The entire service is currently running on test hardware. As usage has picked up, we'll look for a grant to cover a stack of Xserves for it.

Thanks, Beta Testers!

Chris Morrow	John Todd
Marla Azinger	Philip Smith
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David Huberman	Bijal Sanghani
Leo Vegoda	Dorian Kim
Jared Mauch	Ted Seely

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Thanks, and Questions?

Copies of this presentation can be found in PDF and QuickTime formats at:
http:// www.pch.net / resources / papers / prefix-list-sanity-checker
More importantly, the tool discussed in this presentation can be found at:

https:// prefix.pch.net

Please give it a try, and let us know what features would make it more useful to you.

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