Why Is It Taking So Long to Secure Internet Routing?
# Routing Incidents: 31st July – 31st August 2018

Possible Hijack from AU

<table>
<thead>
<tr>
<th>Expected AS</th>
<th>Prefix</th>
<th>AS Description</th>
<th>Detected AS</th>
<th>AS Description</th>
<th>Start time (UTC)</th>
<th>End time (UTC)</th>
</tr>
</thead>
<tbody>
<tr>
<td>AS29484</td>
<td>134.147.203.0/24</td>
<td>RUB-AS, DE</td>
<td>AS9738</td>
<td>BRENANIT-AS9738-AP Brennan IT, AU</td>
<td>31/7/18 10:20</td>
<td>31/7/18 22:08</td>
</tr>
<tr>
<td>AS51852</td>
<td>141.255.160.0/24</td>
<td>PLI-AS, CH</td>
<td>AS9738</td>
<td>BRENANIT-AS9738-AP Brennan IT, AU</td>
<td>31/7/18 10:20</td>
<td>31/7/18 22:08</td>
</tr>
<tr>
<td>AS42570</td>
<td>185.35.62.0/24</td>
<td>EU-CH-KS</td>
<td>AS9738</td>
<td>BRENANIT-AS9738-AP Brennan IT, AU</td>
<td>31/7/18 10:20</td>
<td>31/7/18 22:08</td>
</tr>
<tr>
<td>AS10439</td>
<td>209.126.136.0/24</td>
<td>CARINET - CariNet, Inc., US</td>
<td>AS9738</td>
<td>BRENANIT-AS9738-AP Brennan IT, AU</td>
<td>31/7/18 10:20</td>
<td>31/7/18 20:01</td>
</tr>
<tr>
<td>AS3356</td>
<td>4.79.179.0/24</td>
<td>LEVEL3 - Level 3 Parent, LLC, US</td>
<td>AS9738</td>
<td>BRENANIT-AS9738-AP Brennan IT, AU</td>
<td>31/7/18 10:20</td>
<td>31/7/18 22:07</td>
</tr>
<tr>
<td>AS4134</td>
<td>58.218.198.0/24</td>
<td>CHINANET-BACKBONE, CN</td>
<td>AS9738</td>
<td>BRENANIT-AS9738-AP Brennan IT, AU</td>
<td>31/7/18 10:20</td>
<td>31/7/18 22:08</td>
</tr>
<tr>
<td>AS6939</td>
<td>184.105.139.0/24</td>
<td>Hurricane Electric LLC, US</td>
<td>AS9738</td>
<td>BRENANIT-AS9738-AP Brennan IT, AU</td>
<td>31/7/18 10:19</td>
<td>31/7/18 23:51</td>
</tr>
</tbody>
</table>

Source: www.bgpstream.com
A bogon is a type of resource (IPv4/v6 or ASN) which shouldn't exist on the global Internet. More specifically, "bogon" (derived from the word "bogus") refers to an advertisement of a IPv4/v6 prefix or ASN from a reserved or otherwise unallocated resource block.

Source: www.cidr-report.org
Bogons: Unallocated ASN (31st August 2018)

AS45692  Announced by  AS17668  SPTEL-AP Soul Pattinson Telecommunications Pty Ltd, AU

AS55481  Announced by  AS1221  ASN-TELSTRA Telstra Pty Ltd, AU

AS63976  Announced by  AS7474  OPTUSCOM-AS01-AU SingTel Optus Pty Ltd, AU


AS64512  Announced by  AS56163  APT-NET-AS-AP Asian Pacific Telecommunications, AU

AS63976  Announced by  AS7474  OPTUSCOM-AS01-AU SingTel Optus Pty Ltd, AU

Source: www.cidr-report.org
Bogons: Unallocated IPv4 (31st August 2018)

45.124.164.0/22    AS38803    GOLDENIT-PTY-LTD-AUSTRALIA-AP Goldenit Pty Ltd Australia, AU
45.252.236.0/22    AS38803    GOLDENIT-PTY-LTD-AUSTRALIA-AP Goldenit Pty Ltd Australia, AU
103.24.196.0/22    AS24130    TPG-AU TPG Internet Pty Ltd., AU
103.58.216.0/22    AS38803    GOLDENIT-PTY-LTD-AUSTRALIA-AP Goldenit Pty Ltd Australia, AU
103.221.236.0/22   AS38803    GOLDENIT-PTY-LTD-AUSTRALIA-AP Goldenit Pty Ltd Australia, AU
220.152.112.0/21   AS23871    AINS-AS-AP Australia Internet Solutions, AU
103.56.0.0/22      AS63976    Unknown

Source:www.cidr-report.org
Bogons: Unallocated IPv6 (31\textsuperscript{st} August 2018)

2001:df0:2b7::/48 AS9555VZB-AU-AS Verizon Australia PTY Limited, AU
2404:5f00::/32 AS132029 ASN-TELSTRA-02 Telstra Pty Ltd., AU

Source: www.cidr-report.org
MANRS defines four simple but concrete actions that network operators must implement to dramatically improve Internet security and reliability.

Visit https://www.manrs.org