

A decorative graphic consisting of a thin gold circle on the left and a horizontal bar with a gold-to-white gradient on the right. A large black left square bracket is positioned on the left side of the bar, and a large gold right square bracket is on the right side.

# IPv6 CIDR Report

[ <http://www.cidr-report.org/v6> ]

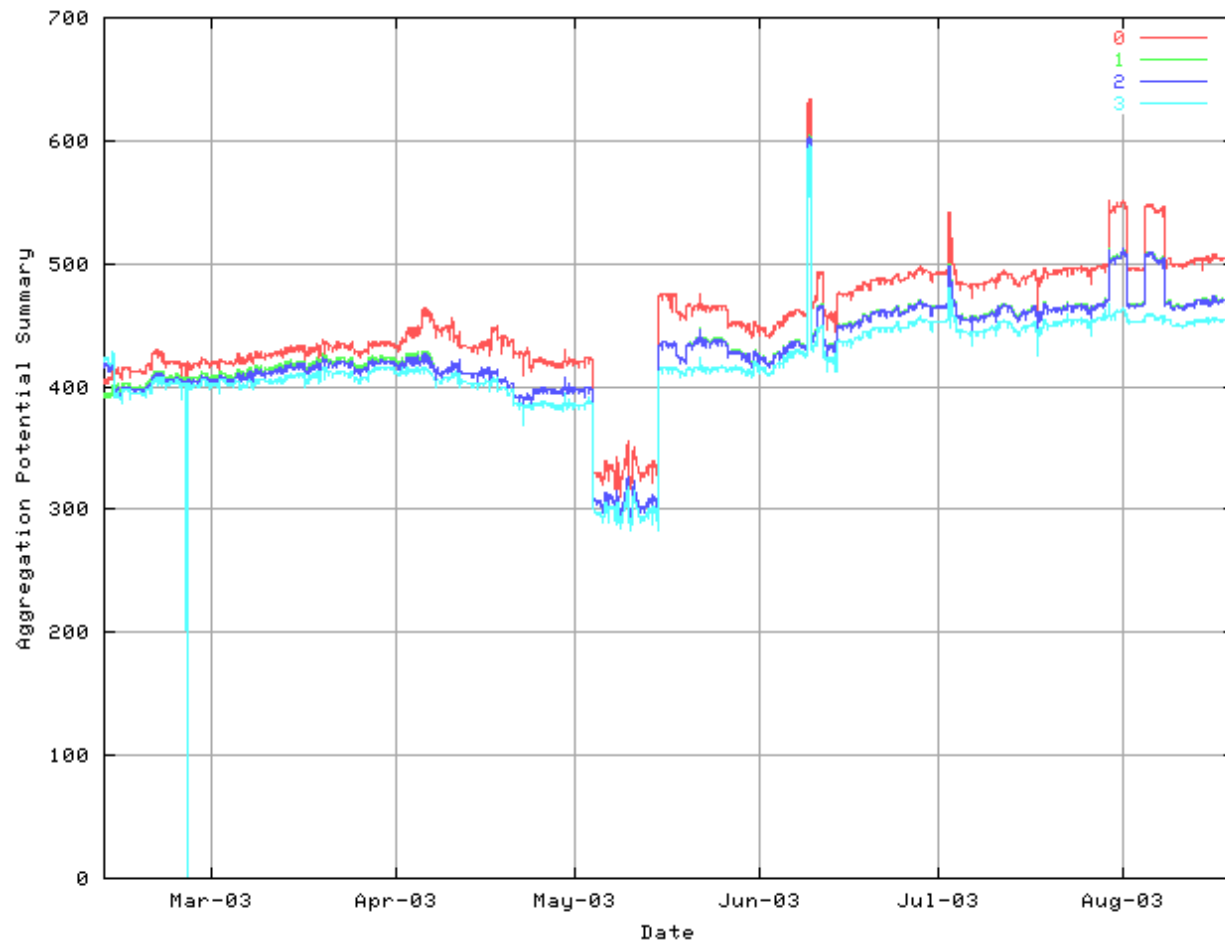


# [ The V6 CIDR Report ]

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- Tracking the aggregation behaviour of the IPv6 BGP routing table
- Provides analysis of the combined RIR and 6BONE address space

# [ The Overall Picture ]



# [ The Report ]

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- <http://www.cidr-report.org/v6>

# Summary

## Status Summary

### Table History

| Date     | Prefixes | CIDR Aggregated |
|----------|----------|-----------------|
| 13-08-03 | 504      | 469             |
| 14-08-03 | 503      | 468             |
| 15-08-03 | 503      | 472             |
| 16-08-03 | 507      | 469             |
| 17-08-03 | 504      | 471             |
| 18-08-03 | 505      | 470             |
| 19-08-03 | 504      | 468             |
| 20-08-03 | 502      | 468             |

Plot: [BGP Table Size](#)

### AS Summary

|                        |                                                      |
|------------------------|------------------------------------------------------|
| 355                    | Number of ASes in routing system                     |
| 254                    | Number of ASes announcing only one prefix            |
| 23                     | Largest number of prefixes announced by an AS        |
|                        | <a href="#">AS1221</a> : ASN-TELSTRA Telstra Pty Ltd |
| 2211908157440 (/22.99) | Largest address span announced by an AS (/64s)       |
|                        | <a href="#">AS2914</a> : VERIO Verio, Inc.           |

Plot: [AS count](#)

Plot: [Average announcements per origin AS](#)

Report: [ASes ordered by originating address span](#)

Report: [Autonomous System number-to-name mapping](#) (from Registry WHOIS data)

# Aggregation Summary

## Aggregation Summary

The algorithm used in this report proposes aggregation only when there is a precise match using AS path so as to preserve traffic transit policies.

— 20Aug03 —

ASnum NetsHow NetsAggr NetGain % Gain Description

|         |     |     |    |       |                                                                        |
|---------|-----|-----|----|-------|------------------------------------------------------------------------|
| Table   | 501 | 467 | 34 | 6.8%  | ALL ASes                                                               |
| AS1221  | 23  | 3   | 20 | 87.0% | ASN-TELSTRA Telstra Pty Ltd <sup>ASN</sup> Internal Routing Table view |
| AS3856  | 9   | 2   | 7  | 77.8% | PCH-AS The Internet Mainstreet                                         |
| AS2510  | 2   | 1   | 1  | 50.0% | INFOWEB (Unknown)                                                      |
| AS2514  | 2   | 1   | 1  | 50.0% | NTTPC NTT PC Communications, Inc.                                      |
| AS4716  | 3   | 2   | 1  | 33.3% | POWERED.COM POWERED.COM, Inc.                                          |
| AS7514  | 2   | 1   | 1  | 50.0% | MEX Media Exchange, Inc.                                               |
| AS11340 | 2   | 1   | 1  | 50.0% | CL-RUNA-LACNIC Red Universitaria Nacional                              |
| AS13944 | 3   | 2   | 1  | 33.3% | ASN-ENTERZONE EnterZone, Inc.                                          |
| AS13285 | 2   | 1   | 1  | 50.0% | OPALTELECOM-AS Opal Telecom                                            |
| Total   | 48  | 14  | 34 | 70.8% | Top 30 total                                                           |

Report: [Aggregation Top 20 summaries for last 7 days](#)

Report: [Full Aggregation Details](#)

### Top 20 Route Count per Originating AS

Prefixes ASnum AS Description

|    |         |                                                                              |
|----|---------|------------------------------------------------------------------------------|
| 23 | AS1221  | ASN-TELSTRA Telstra Pty Ltd                                                  |
| 9  | AS3856  | PCH-AS The Internet Mainstreet                                               |
| 5  | AS2914  | VERIO Verio, Inc.                                                            |
| 4  | AS2611  | BELNET BELNET Autonomous System                                              |
| 4  | AS3263  | TELEBIT Ericsson Telebit A/S                                                 |
| 4  | AS3327  | DATATELECOM Data Telecom Autonomous System                                   |
| 4  | AS9264  | ASNET-AS-APASNET                                                             |
| 4  | AS15982 | VERAT-AS-1 Autonomous System Verat D.O.O. Belgrade, Yugoslavia               |
| 4  | AS17715 | CHTTL-TW ChungHwa Telecom. Co. Telecommunication Lab.                        |
| 3  | AS24    | UNINETT UNINETT, The Norwegian University & Research Network                 |
| 3  | AS293   | ESNET-WEST 293 Energy Sciences Network (ESnet)                               |
| 3  | AS1200  | AMS-IX1 Amsterdam Internet Exchange (AMS-IX) Peering AS                      |
| 3  | AS2500  | WIDEWIDE Project                                                             |
| 3  | AS1752  | BT-CIN-AND-ADASTRAL Used by BT IP networks for Intranet Test and Development |
| 3  | AS3257  | TISCALI-BACKBONE Tiscali Intl Network                                        |
| 3  | AS6939  | HURRICANE Hurricane Electric                                                 |
| 3  | AS4716  | POWERED.COM POWERED.COM, Inc.                                                |
| 3  | AS4555  | EP0-BLK-ASNBLOCK-5 Exchange Point Blocks                                     |
| 3  | AS4618  | INET-TH-AS Internet Thailand Company Limited                                 |
| 3  | AS424   | ATNET-AT ATnet                                                               |

# Weekly Changes

## Last Week's Changes

This is a daily snapshot of changes in routes being withdrawn and added. The deltas are calculated over a rolling 7 day period. Please bear in mind this is purely a "snapshot" and a large fluctuation could be caused by a connectivity problem, for example.

### ASes Added to the Routing Table

#### Prefixes ASnum AS Description

- 1 [AS1897](#) EUNET PT KPNQwest Portugal Backbone AS
- 1 [AS5417](#) DEMON-INTERNET-NL Demon Internet Netherlands, Thus Plc
- 1 [AS12931](#) SPEEDKOM SpeedKom GmbH Kempten, Germany
- 1 [AS24776](#) CARTEL-AS Cartel Securite Autonomous System
- 1 [AS28747](#) REALROOT-AS RealROOT NV

### Top 20 Net Increased Routes per Originating AS

#### Prefixes Change ASnum AS Description

- 2 2+4 [AS15982](#) VERAT-AS-1 Autonomous System Verat D. O. O. Belgrade, Yugoslavia
- 1 0+1 [AS1897](#) EUNET PT KPNQwest Portugal Backbone AS
- 1 1+2 [AS1955](#) AS1955 HUNGARNET
- 1 0+1 [AS5417](#) DEMON-INTERNET-NL Demon Internet Netherlands, Thus Plc
- 1 0+1 [AS12931](#) SPEEDKOM SpeedKom GmbH Kempten, Germany
- 1 0+1 [AS24776](#) CARTEL-AS Cartel Securite Autonomous System
- 1 0+1 [AS28747](#) REALROOT-AS RealROOT NV

### Top 20 Net Decreased Routes per Originating AS

#### Prefixes Change ASnum AS Description

- 2 3+1 [AS8175](#) CETLINK Computer Enhancement Technologies, Inc.
- 2 2+0 [AS3066](#) RS-AS Robert E. Seastrom
- 1 1+0 [AS21238](#) LIPEX London Internet Providers Exchange
- 1 1+0 [AS7247](#) MOJO Mojo Networks
- 1 1+0 [AS7010](#) DRKNGS-ASN DRK Network & Graphics Solutions
- 1 1+0 [AS5617](#) TPNET Polish Telecom's commercial IP network
- 1 1+0 [AS2607](#) SANET Slovak technical university
- 1 1+0 [AS2547](#) BMENET-AS Budapest University of Technology and Economics

# Weekly Changes

## Top 20 Added Routes this week per Originating AS

### Prefixes ASnum AS Description

- 2 [AS15982](#) VERAT-AS-1 Autonomous System Verat D.O.O. Belgrade, Yugoslavia
- 1 [AS1955](#) AS1955 HUNGARNET
- 1 [AS1897](#) EUNETPT KPNQwest Portugal Backbone AS
- 1 [AS5417](#) DEMON-INTERNET-NL Demon Internet Netherlands, Thus Plc
- 1 [AS12931](#) SPEEDKOM SpeedKom GmbH Kempten, Germany
- 1 [AS24776](#) CARTEL-AS Cartel Securite Autonomous System
- 1 [AS28747](#) REALROOT-AS RealROOT NV

## Top 20 Withdrawn Routes this week per Originating AS

### Prefixes ASnum AS Description

- 2 [AS3066](#) RS-AS Robert E. Seastrom
- 2 [AS8175](#) CETLINK Computer Enhancement Technologies, Inc.
- 1 [AS2547](#) BMENET-AS Budapest University of Technology and Economics
- 1 [AS2607](#) SANET Slovak technical university
- 1 [AS5617](#) TPNET Polish Telecom's commercial IP network
- 1 [AS7010](#) DRKNGS-ASN DRK Network & Graphics Solutions
- 1 [AS7247](#) MOJO Mojo Networks
- 1 [AS21238](#) LIPEX London Internet Providers EXchange

## Adds and Wds per Prefix Length

|                   |    |
|-------------------|----|
| <del>/24</del> +1 | -2 |
| <del>/32</del> +4 | -1 |
| <del>/48</del> +3 | -4 |
| <del>/64</del> +0 | -3 |

Report: [Announced and Withdrawn prefix list](#)

Report: [Announced and Withdrawn prefix list - ordered by prefix length](#)

Report: [Announced Route count per Originating AS](#)

Report: [Withdrawn Route count per Originating AS](#)

# Bogon Advertisements

## Possible Bogus Routes and AS Announcements

No Bogus Routes

Report: [Allocated and Reserved IPv4 address blocks](#)

### Possible Bogus ASs

**Bogus AS**

[AS64999](#)

**Announcing AS**

[AS3856](#)

PCH-AS The Internet Mainstreet

Report: [Advertisements with Bogus ASs in the AS Path](#)

Report: [Allocated and Reserved AS blocks](#)

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## Selected AS Report

Enter an AS here to generate an aggregation report for the AS.

Enter AS (e.g. 'AS1221')

Generate AS Report

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A version of this report is available using [plain text tables](#).

This report has been generated using the BGP table from AS1221 (Telstra)

# [ BGP Table Analysis from AS1221 ]

- All routes

- <http://bgp.potaroo.net/v6/as1221/>

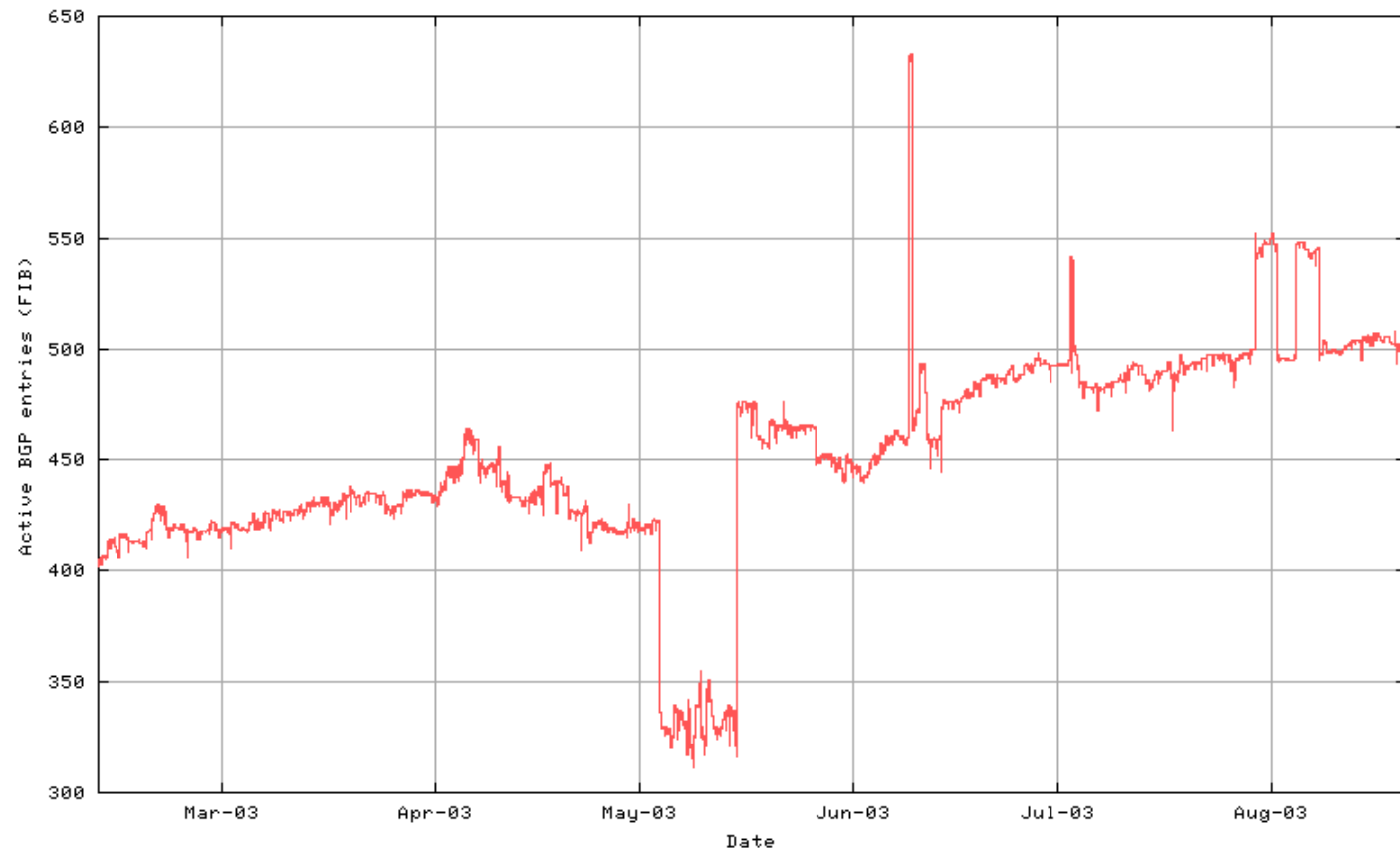
- RIR

- <http://bgp.potaroo.net/v6/as1221/rir/>

- 6Bone

- <http://bgp.potaroo.net/v6/as1221/6bone/>

# [ BGP Table Report ]



# [ Suggestions ]

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- If there is useful data you'd like to have included in these reports – please let me know