



**RIPE**  
**NCC**

## Lost Stars

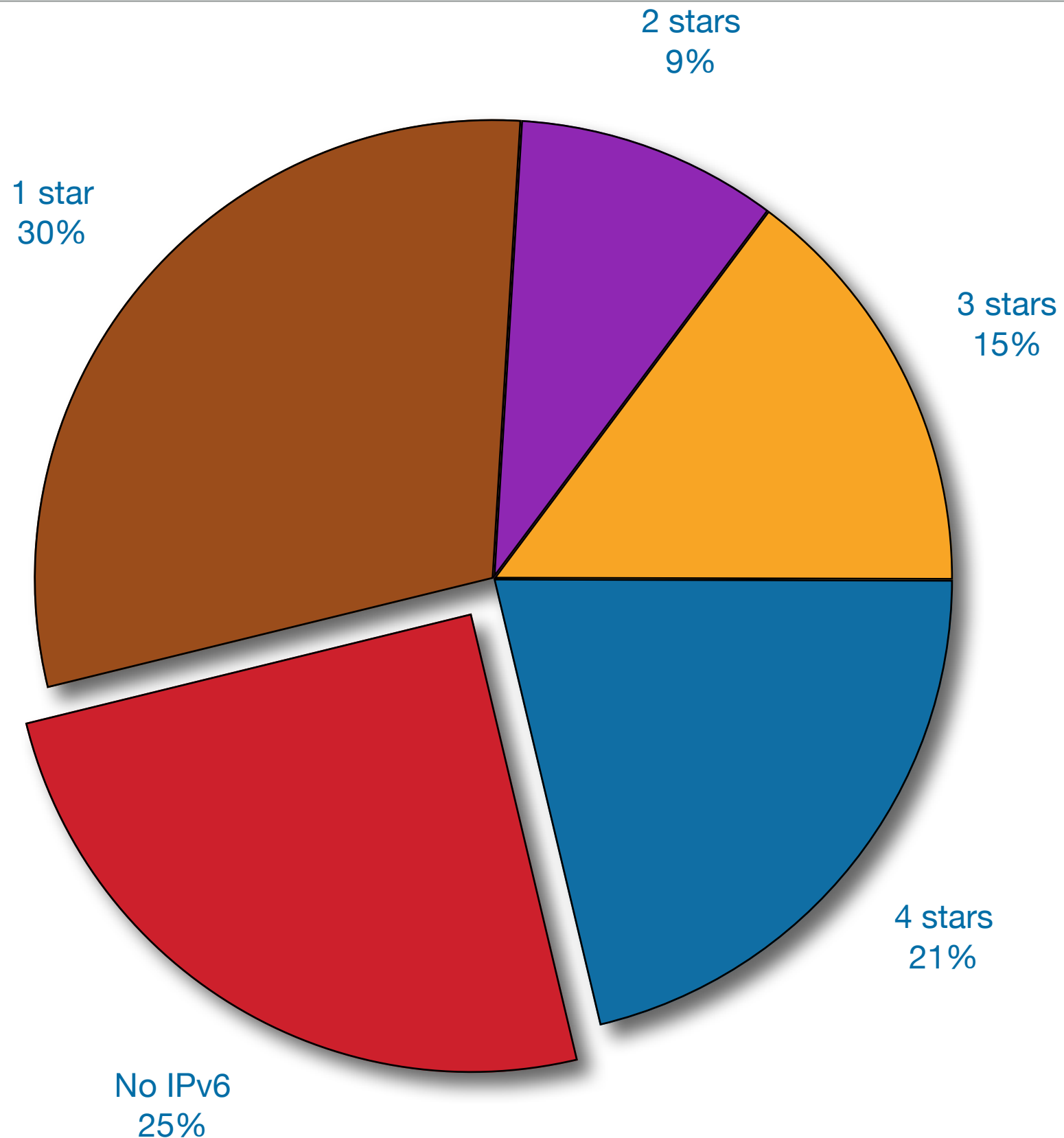
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- Rating system:
  - One star if the LIR has an IPv6 allocation
  - Additional stars if:
    - IPv6 Prefix is announced on router
    - A route6 object is in the RIPE Database
    - Reverse DNS is set up
  - A list of 4-star LIRs:
    - <http://ripeness.ripe.net>





- Actual IPv6 usage at the edge
- For content providers
  - Based on Google flash adds (APNIC measurements)
- For access providers
  - Eyeballs
- <http://ripeness.ripe.net/5star/index.html>

- The R&D team discovered that more than 400 LIRs stopped announcing their IPv6 prefixes in the last 12 months
- 70 LIRs stopped announcing their allocation after more than three years
- No trend in size or location of the LIR

First Day with BGP star	Last day with BGP star	total days with BGP star	max RIPEness score
1-Sep-2008	15-Mar-2015	1609	4
1-Jul-2009	7-Mar-2015	1591	4
1-Jun-2010	3-Mar-2015	1584	4
1-Dec-2009	27-Feb-2015	1577	4
1-Dec-2008	21-Jan-2015	1564	3
19-Nov-2010	22-Mar-2015	1561	3
1-Jan-2008	12-Jan-2015	1556	3
1-Aug-2008	20-Dec-2014	1535	3
1-Jan-2010	13-Jan-2015	1533	4
1-Jan-2008	15-Dec-2014	1529	4
1-Jul-2010	11-Jan-2015	1524	4
1-Jul-2008	10-Jan-2015	1518	3
1-Apr-2010	28-Dec-2014	1515	4
1-Sep-2009	3-Feb-2015	1509	4
1-Sep-2009	13-Dec-2014	1496	3
1-Jan-2008	18-Nov-2014	1491	4
1-Dec-2009	18-Nov-2014	1490	4
1-Feb-2008	21-Dec-2014	1487	4
17-Dec-2010	12-Dec-2014	1444	3
1-May-2010	19-Dec-2014	1423	4
12-Nov-2010	17-Oct-2014	1412	4
1-Jan-2010	17-Feb-2015	1378	4
1-Mar-2011	1-Jan-2015	1367	4

- It could be a number of reasons
  - Getting ready for production
  - Routing table size of IPv4 (TCAM memory)
  - Security
  - ?
  
- I would like to know why
- And offer help if needed





