



2001

EE

an ipv6 space odyssey

ipv6so.nl

Welkom

IPv6 in opkomst

- Overheid
 - Europese Unie
 - Economische Zaken
- Providers
 - BIT
 - Google

Ondersteuning

- Software
 - Besturingssystemen
 - Applicaties
- Hardware
 - Routers
 - Firewalls

Aan de slag

- **Beleid**
 - **RIPE / RIPE NCC**
- **Connectiviteit**
 - **BIT biedt gratis IPv6 transit**
 - **Anders kan met SixXS getest worden**

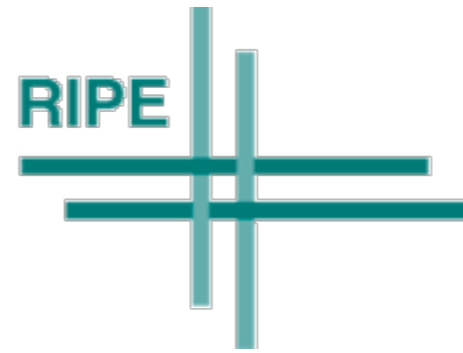
IPv6 adressen

- 1234:5678:90ab:cdef:1234:5678:90ab:cdef
- 2001:4038:0000:0017:0000:0000:0000:0001
- 2001:4038:0:17:0:0:0:1
- 2001:4038:0:17::17

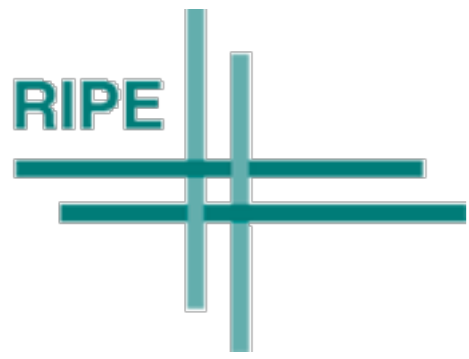
Opbouw

- 2001:4038:a000:0017:0000:0000:0000:0001
 - Elk (hexadecimaal) cijfer is 4 bits
 - Elk deel tussen : is 16 bits
- Standaard krijgt:
 - een LIR (ISP) een /32: 2001:4038::
 - een klant een /48: 2001:4038:a000::
 - een netwerk een /64: 2001:4038:a000:0017::



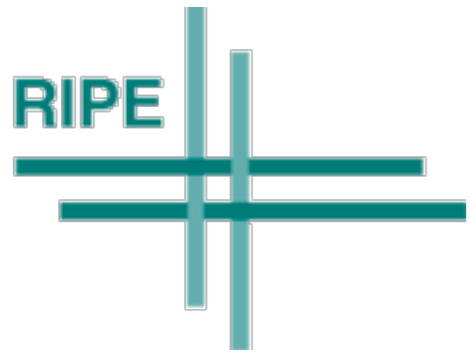


Beleid over uitgave van IP adressen



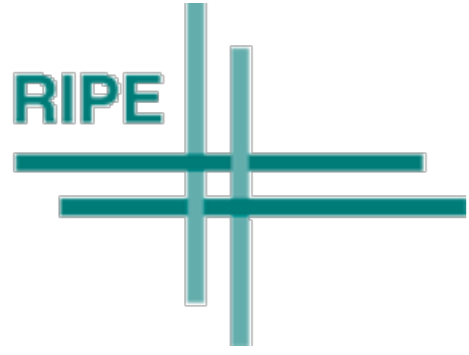
Wat is RIPE?

RIPE (Réseaux IP Européens) is a **collaborative forum** open to all parties interested in wide area **IP networks in Europe** and beyond. The objective of RIPE is to ensure the **administrative and technical coordination** necessary to enable the operation of a pan-European IP network.



Wat is RIPE?

- Open forum
- Belanghebbenden bepalen zelf het beleid
- Administratieve en technisch coördinatie



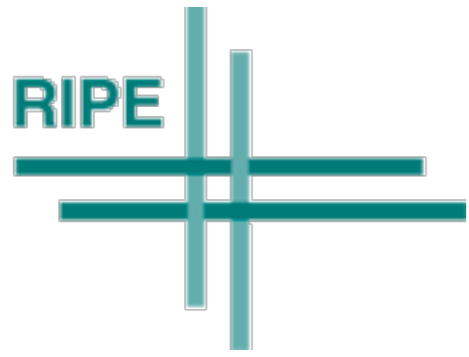
RIPE meetings





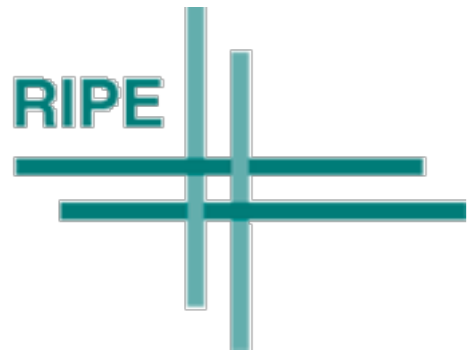
Wat is RIPE NCC?

The RIPE NCC is an **independent, not-for-profit membership organisation** that supports the infrastructure of the Internet through technical co-ordination in its service region. The most prominent activity of the RIPE NCC is to act as the **Regional Internet Registry (RIR)** providing global Internet resources and related services (**IPv4, IPv6 and AS Number** resources) to members in the RIPE NCC service region.



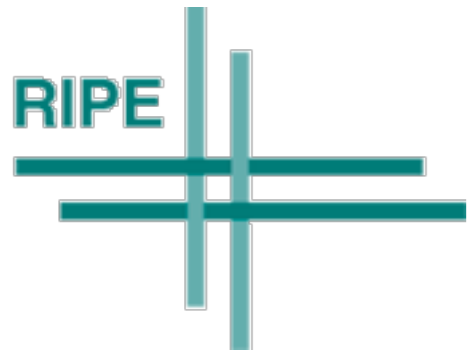
Beleid maken

- iedereen kan meebeslissen
- Mailing lists
- Consensus



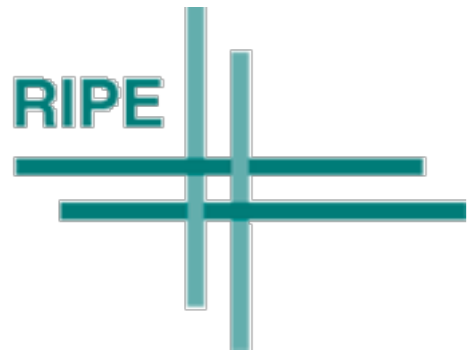
Beleid maken

1. Voorstel indienen
2. Discussiefase
3. Reviewfase
4. Afronding



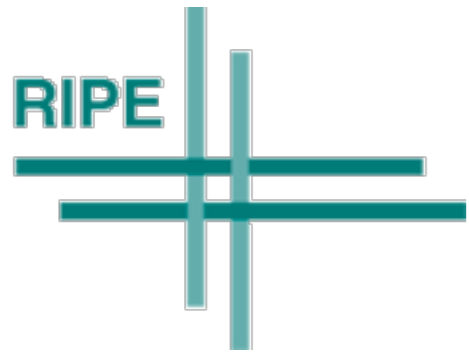
Voorstel 2007-01

- Contracten voor PI adreshouders
 - Via een LIR (RIPE NCC lid)
 - Zelf lid worden van RIPE NCC



Voorstel 2007-08

- Overdragen van IPv4 adressen
 - RIPE database
 - Alleen tussen LIRs
 - Behoefte aantonen
 - 24 maanden vast



Voorstel 2006-01

- IPv6 PI adressen
 - Niet voor LIRs
 - Multihomed
 - Contract (2007-01)