

# IPv6 Tunnel Broker Service

Technical Highlights



What We Set Out To Achieve?

# Example

The screenshot shows a web browser window at [www.sixxs.net](http://www.sixxs.net). The page features a navigation bar with the SixXS logo and the tagline "IPv6 Deployment & Tunnel Broker". Below this is a search bar with the text "Enter website | Enter SSL-Secured website". A central box titled "The IPv6 PoPs are generously provided by:" displays a grid of logos for various ISPs, including Goscomb, ctbc, BURSTNET, INIT, SpeedPartner, IPT, route, #, DIGI, M-net, Y, SURFNET, OCCAID, gnet, IGNUM, ipmax, faststream, UTP, amis, Belnet, TRANCYBER, leaseweb, GCI, YOUR, ITGATE, Comnet, icm, bit, inotel, NETCOLOGNE, interschol, phoner, gyron, HEAnet, nfall telecom, edpnet, PORTAL, scarlet, and Digweb. A copyright notice at the bottom reads "©2001-2012 SixXS".

www.sixxs.net

Latest SixXS News items:  
2012-02-09 - SixXS v4 for all PoPs  
2012-02-02 - AICCU Multiple-Tunnel Adapter update  
2012-01-18 - SixXS goes on Strike  
2012-01-02 - Mini Forum update

Haven't got IPv6?  
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You are missing out  
on Cool IPv6 Stuff!  
175.143.218.253

## SixXS

IPv6 Deployment & Tunnel Broker

Enter website | Enter SSL-Secured website

The IPv6 PoPs are generously provided by:

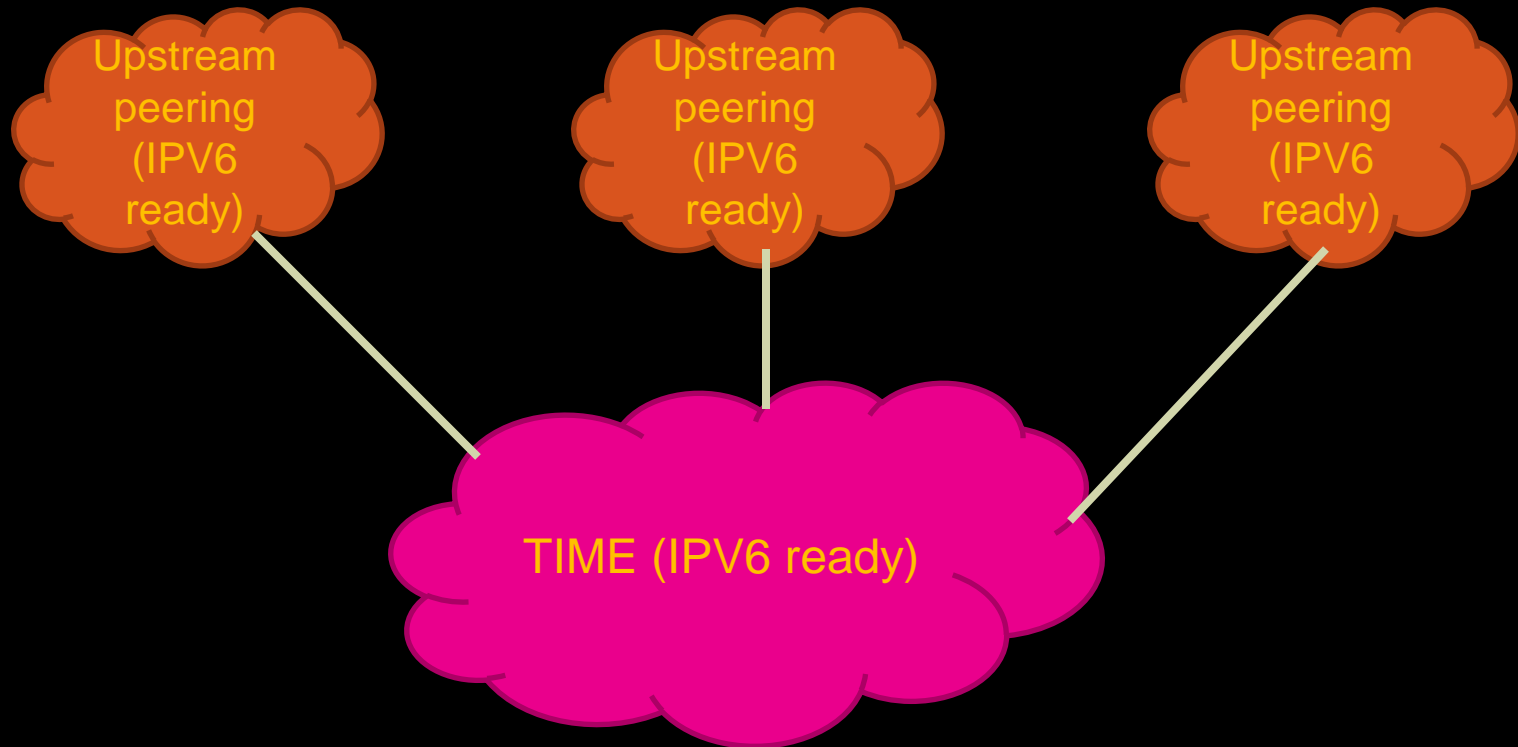
Goscomb ctbc BURSTNET INIT SpeedPartner IPT route # DIGI M-net Y  
SURFNET OCCAID gnet IGNUM ipmax faststream UTP amis Belnet TRANCYBER leaseweb  
GCI YOUR ITGATE Comnet icm bit inotel NETCOLOGNE interschol  
phoner gyron HEAnet nfall telecom edpnet PORTAL scarlet Digweb

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# Solution

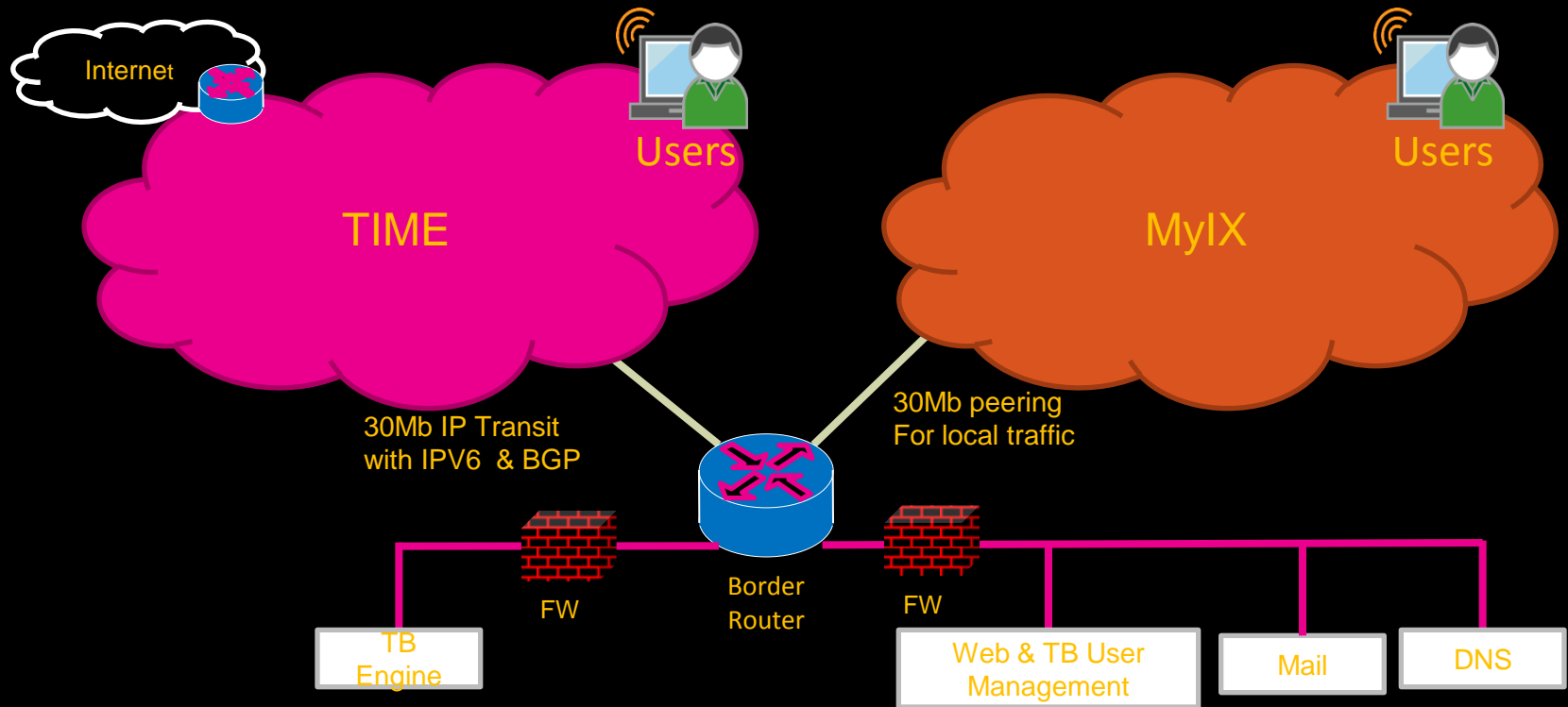


# TIME IPV6 ready



TIME is IPV6 ready with multiple upstream provider.

# Solution diagram



# Components



# Components

IP Transit & IPV6  
BGP Peering

MyIX Peering

Colo & Hosting

Tunnel broker  
server API  
& Client software

Tunnel broker  
hardware

Support &  
Maintenance



# Scope of work

## IPv6 Tunnel Broker Network Design, Development & Qualification

- Dedicated 30Mbps IP transit
- Co-location subscription in AIMS data center
- 30Mbps BGP peering with MyIX
- Domain name subscription
- Public ASN for BGP
- IPv4 & IPv6 address block allocation
- DNS AAAA & PTR record maintenance
- Redundant DNS with backup.
- Necessary firewall for TB network services

# Scope of work

## IPv6 Tunnel Broker Systems Deployment & Integration

- Development and integration of tunnel management server.
- 6-in-4 IPv6 tunnel addresses allocation.
- IPv6 user addresses allocation.
- Tunnel broker system to support up to 200-300 concurrent sessions.
- Web based user management system.

# Scope of work

## IPv6 Tunnel Broker Systems Lifecycle Administration & Maintenance

- Tunnel server service activation and administration.
- 2-years tunnel broker system support.
- 2-years hardware support.
- Reactive bandwidth & availability monitoring.
- Offsite data backup & retention.
- Community based user support e.g. forum and mailing-list

**YOU GET THE ROCKET**  
**WE DO THE SCIENCE**