

IPv6Now 6Now Gateway Service

Service summary

- Secure access to the 6Now Gateway (tunnel broker)
- Client software provided
- Thirty minutes interactive installation support
- Routing of the allocated address(es) to the IPv6 Internet
- forward and reverse entries for the Customer tunnel endpoint in the IPv6Now DNS
- 24/7 service availability monitoring
- Excess data at \$5 per 100 megabytes or part thereof

The service also includes any *one* of the following options:

Try6 – singleton static address

- a single IPv6 address
- address will not change if tunnel is torn down/rebuilt
- 50 megabytes outbound per month data allowance

Ready6 – a /64 prefix service, dynamic addresses

- a /64 IPv6 prefix
- reverse delegation of the prefix to a customer-nominated nameserver
- the prefix provided may change if the tunnel is torn down and rebuilt.
- 250 megabytes outbound per month data allowance

Stable6 – a /64 prefix service, static addresses

- a /64 IPv6 prefix
- reverse delegation of the prefix to a customer-nominated nameserver
- the prefix provided will not change if the tunnel is torn down and rebuilt.
- 250 megabytes outbound per month data allowance

Grow6 – an extendable prefix service, static addresses

- a /64 IPv6 prefix
- reverse delegation of the prefix to a customer-nominated nameserver
- the prefix provided will not change if the tunnel is torn down and rebuilt.
- further contiguous /64s may be added (up to a /48) through the Extra6 product.
- 500 megabytes outbound per month data allowance

Tailored6 – Customised services

- IPv6Now is always happy to discuss tailored solutions – non-standard prefix lengths, smaller prefixes (eg. a /48), different data allowances and so on.

Service Technical Description

- Access to the 6Now Gateway is made via client software, and requires a username and password (“Credentials”) as supplied by IPv6Now.
- Gateway modes include v6v4 (for Customers with direct Internet access) and v6udpv4 (for Customers behind NAT devices).
- The service includes up to thirty minutes of interactive support to assist the Customer with the installation and configuration of the client software. Additional technical support and network consultation services may be purchased from IPv6Now at any time.
- With any static option, IPv6Now will ensure that the same address or prefix is allocated each time the tunnel is activated. If technical or other reasons make it necessary to change the allocated address or prefix, IPv6Now will make reasonable efforts to inform the Customer before the change.
- With all services, the name "username.tunnels.ipv6now.com.au" will be entered into the IPv6Now DNS where "username" is the username defined in the Credentials. The name will resolve to the IPv6 address allocated to the Customer endpoint of the tunnel. A reverse entry will also be made for the endpoint address, resolving to the endpoint name.
- With any prefix service, the Customer may configure the Client to communicate a nameserver name to the Gateway. The Gateway will attempt to delegate the allocated prefix to that nameserver. It is entirely the Customer's responsibility to configure the named DNS nameserver appropriately.
- With the “Grow6” product, the first static /64 prefix service purchased will be the first /64 in a /48. Additional /64 prefix services may then be purchased, forming contiguous address space within the /48. The entire /48 will remain reserved for the Customer as long as any /64 service within it is retained by the Customer. Each /64 will be delivered separately unless otherwise arranged.

Data allowances

- Data allowances are calculated for each calendar month.
- Data allowances apply to outbound data – that is, data *from* the customer.
- Data allowances do not carry over from month to month, but do apply on a per customer basis. That is, if the Customer has several services, the total data allowance across all services must be exceeded before excess data charges apply.
- For purposes of calculation, one megabyte is 1048576 bytes.

Notes

- The Customer may have more than one set of Credentials.
- One set of Credentials may only be used to set up one Gateway tunnel service at a time. An attempt to establish a tunnel with a given set of Credentials while another tunnel is already established with those credentials will either fail, or will cause the first tunnel to be disconnected and a new one established.
- If the Customer wishes to use other software compatible with the IPV6Now 6Now Gateway, they may do so, but IPv6Now is unable to support other software.

System Requirements

- IPv4 connectivity
- The ports used by the Tunnel Setup Protocol and the tunnel protocol itself must not be filtered (blocked) by the Customer, nor by any part of the IPv4 network between the Customer and the 6Now Gateway.
- A computer running OSX, Linux, Windows, NetBSD, FreeBSD, OpenBSD or Solaris. Some platforms do not support NAT traversal. Except for Windows, the client software is supplied in source form, however it may be available pre-packaged for some distributions. IPv6Now may be able to assist in obtaining client software for other platforms.