



Australia's Academic and Research Network

Autonomous system numbers

The BGP routing protocol requires an Autonomous System Number for each participating network.

Public ASNs

Multihomed networks need a globally-unique public autonomous system number. These are assigned by the APNIC, ARIN and RIPE region address registries. AARNet is a APNIC member and can obtain a public autonomous system number for multihomed members.

For ready reference, we maintain a list of every public autonomous number which AARNet connects with. Other autonomous system numbers can be found by checking the route registries' servers.

```
whois -h whois.apnic.net AS12345
```

Private ASNs

Single-homed networks cannot be assigned a public autonomous system number. AARNet assigns numbers from the private autonomous system number range for these networks.

Format

Each list is actually a list of directories. In each directory is supporting information (emails, text messages) about the AS allocation number (contact name and phone number, email address). Each directory is named with the convention of AS number first (digits) followed by a short description of the network involved, based upon the applicant's domain name (using lower case letters, digits and hyphens only).