

# Looking Glass

A Looking Glass is a web front end giving limited access to a router or route-collector/server for:

- Viewing the BGP table
- Allowing IXP members to verify their outbound BGP policies
- Viewing individual paths
- Checking traceroute and ping to destinations
- Checking RPKI status

## Implementations

There are several Looking Glass implementations:

- [Birdspy](#) (only for bird)
- [G Mazoyer's Looking Glass](#)
- [John Frazier's original](#)
- [John Heasley's built in to RANCID](#)

Some operators (network and IXP) write their own implementations to match their particular requirements.

## Public Looking Glasses

[PeeringDB](#) entries for every AS holder will normally (and are encouraged to) document how to access the operator or IXP's Looking Glass. A common entry point in the past was [www.traceroute.org](http://www.traceroute.org) but that does not seem to have been updated recently.

One of the most popular looking glasses globally is [RouteViews](#) operated by the RouteViews team at the University of Oregon. This has 36 locations around the globe and a large number of BGP feeds terminating at the various collectors globally.

The other commonly used Looking Glass is [bgp.he.net](http://bgp.he.net) which gives Hurricane Electric's perspective of the global internet as seen from all their points of presence around the world.

## Using Looking Glasses

The use of Looking Glasses to ascertain routing information and help with troubleshooting is covered elsewhere in the Toolbox.

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