

JANET Netsight

The **JANET Netsight** service comprises a set of small network monitoring and status display systems that have been deployed across JANET to collect and display network performance information on: the JANET backbone; the paths to JANET's external connections; the local regional network; and individual client organisations connected to JANET.

If you link to a **Netsight** system you will find that it is largely self explanatory to use, however these notes are designed to provide a brief overview of the status information available. The service is also described at:

<http://www.ja.net/services/netsight/>

The Netsight home page

You can reach **Netsight** at <http://location.netsight.ja.net/> where *location* is the location of the **Netsight** box concerned. For example: <http://london.netsight.ja.net/>. A list of the systems is given overleaf. If you link to a **Netsight** home page you can then choose from the following onward links.

Backbone Status	Gives the status of all the JANET backbone nodes, i.e., whether they can be reached from this Netsight box via the JANET backbone.
External Status	Gives the status of the paths to JANET's external connections.
Regional Status	Gives the access link status as UP, DOWN, or DEGRADED for the client organisations in the local region or MAN.
Login	If you have a user identifier (see note below) and password for this Netsight system, you can obtain more detailed information on the performance of the connections.

Links to **other Netsight monitors** are also available.

A link to find out which **Netsight** system shows your connection is also available.

Login

A user identifier and password will be provided to all customer organisations for use by their IT support staff to allow access to detailed information on the performance of their organisation's JANET access link.

Regional Support Centres have a user identifier and password that allows them to monitor the performance of the connections of the organisations that they support.

Usually regional network staff will have overall responsibility for the **Netsight** system on their regional network with support from the JANET Network Resource Group.

The JANET Service Desk distribute user identifiers and passwords to those concerned in the letter detailing their fault reporting route, or on request.

Notes:

- 1) Depending on the browser you are using, the Login window may ask you for User ID, Name, Username or other similar term. You should enter your 'user identifier'.
- 2) A connection may be shown as DOWN because it is in service but currently unavailable (at present defined as greater than 60% packet loss), has been included in **Netsight** but is not yet in service, was in service but this particular circuit has been terminated, or has been set up but is not responding to signals from the **Netsight** system.

- 3) The circumstances in which a connection should be marked as DEGRADED are being tested. Presently this is defined as a packet loss of between 20% and 60%.

Detailed information

When you login under your customer account, you will be able to link to reports on Traffic, Reliability and Round Trip Times. 'Traffic' reports the measured traffic levels on the access link to the customer. 'Reliability' reports the percentage packet loss on the access link to the customer. 'Round Trip Times' reports the round trip times from the **Netsight** box to the customer.

In each case you will be provided with reports covering the last 24 hours, the last seven days and the last 30 days. Each offers the three graph types vertically aligned to provide an overview of all measurements in that period. There is a further option to customise this report to cover a self-defined period.

Those logging in under an admin account covering a group of connections will be able to access the same information with links to Reliability, Latency (for Round Trip Times) and Traffic for each connection.

Be aware that, depending on your browser settings, the detailed information may be presented from your cache and will only be collected afresh from Netsight if you hit the 'refresh' button.

Availability

These URLs access **Netsight** boxes that are installed and in service:

http://aberdeen.netsight.ja.net/	- for customer organisations connected via AbMAN.
http://belfast.netsight.ja.net/	- for customer organisations in Northern Ireland.
http://birmingham.netsight.ja.net/	- for customer organisations connected via MidMAN.
http://bristol.netsight.ja.net/	- for customer organisations connected via SWERN.
http://cambridge.netsight.ja.net/	- for customer organisations connected via EastNet.
http://cardiff.netsight.ja.net/	- for customer organisations connected via SWMAN.
http://chatham.netsight.ja.net/	- for the customer organisations connected via KentishMAN.
http://dundee.netsight.ja.net/	- for customer organisations connected via FaTMAN.
http://edinburgh.netsight.ja.net/	- for customer organisations connected via EaStMAN.
http://glasgow.netsight.ja.net/	- for customer organisations connected via ClydeNet.
http://lancaster.netsight.ja.net/	- for customer organisations connected via C&NL MAN.
http://leeds.netsight.ja.net/	- for customer organisations connected via YHMAN.
http://london.netsight.ja.net/	- for customer organisations connected via LMN
http://manchester.netsight.ja.net/	- for customer organisations connected via NNW.
http://newcastle.netsight.ja.net/	- for customer organisations connected via NorMAN.
http://nottingham.netsight.ja.net/	- for customer organisations connected via EMMAN.
http://perth.netsight.ja.net/	- for customer organisations connected via the UHI MAN.
http://portsmouth.netsight.ja.net/	- for customer organisations connected via LeNSE.
http://ral.netsight.ja.net/	- for customer organisations connected via Oxford (http://oxford.netsight.ja.net) RAL and Reading JANET Connection Points.
http://ulcc.netsight.ja.net/	- for customer organisations connected via the JANET Connection Point (London and all RBCs).
http://wrexham.netsight.ja.net/	- for customer organisations connected via the North Wales MAN.

All systems are accessible from a WAP phone. A WAP compatible system can be found at: <http://location.netsight.ja.net/start.wml> where *location* is the location of the Netsight box.

Future developments and enhancements to the **Netsight** system are managed by the JANET Network Resource Group. Suggestions for enhancing the system are welcome: please e-mail nrg@ja.net

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