



Three 3G network coverage API

This API is used to check H3G UK network 3G data coverage information using postcode.

Charges

This API is free for everyone – all you need to have is an account with aql. Please [contact us](#) to obtain an account.

Connection details

The Three coverage API is available via our HTTP POST interface:

https://gw.aql.com/three/data_coverage.api.php (or http)

Although we do offer the standard HTTP gateway, we prefer that your application uses the HTTPS gateway as it prevents sensitive details being “sniffed” across the internet.

Gateway parameters

The gateway expects the following parameters:

Parameter Name	Required	Description
username	Yes	Your aql username
password	Yes	Your aql password
postcode	Yes	The postcode to lookup. In a whitespace-less format, e.g.: LS101JQ

Gateway return values

On success, the gateway will return the following parameters

Parameter Name	Value Description
status	200
desc	OK
postcode	Formatted postcode from the query parameter by removing all whitespace characters.
congestion	Congestion band category. Possible values: Blue: no congestion area. Green: insignificant congestion area. Amber: congested area. Red: heavily congested area.

indoor_type	Indicate if an area has a good indoor/outdoor coverage. Possible values: out-and-indoor: coverage available outdoor and indoor outdoor-only: coverage is available outdoor only
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The default format of the returned data is:

<status>: <description>. <postcode>: <congestion> - <indoor_type>

where the items in angle brackets will be replaced with their actual values.

If the return-mode or return-format parameters are set in the original request, the returned string will be different depending on the format you choose.

Gateway error values

If the call was not successful, the gateway will return the following parameters:

Parameter Name	Value Description
status	Status code for the type of error (see Below)
desc	A string with a short description of the error

The format of the returned data is:

<status>: <desc>

where the items in brackets will be replaced with their actual values.

If the return-mode parameter is set to 'url', the format of the returned data will be different. See below for details.

Status codes

Status	Description
200	OK
401	Authentication error
6200	Invalid postcode parameter
6201	No coverage data available

*Note: *status code 6201 means 3UK 3G Data coverage databases do not contain any information on this particular postcode.*