

## Looking Glass API

### Introduction

The Looking Glass API is for checking domains and email addresses. You do not have to be logged in to use this facility.

The API endpoint can be reached at:

<http://looking-glass.aql.com/lookingGlassApi.php?domain=aql.com>

Exit code	Description
206	Command missing
400	Error processing response
401	Not authorized
500	Internal server error
504	Gateway timeout
600	Command not valid

### Parameters and values

domain (type string) - The domain that is to be monitored. This parameter is **Optional**. Requires a value of a valid domain

ping (type bool) - calls the ping function, pinging the destination given in the domain parameter. This parameter is **Optional**. Requires Domain to be set.

dig (type bool) - calls the dig function to analyse the domain records of domain. The type of record that will be looked up will be dependent on the parameter given in recordType. This parameter is **Optional**. Requires Domain to be set.

recordType (type string) - defines the record that is to be looked up the default is A. If dig is set, then this parameter is **Mandatory**.

portscan (type bool) - scans common network ports 21,25,80,110 and 143 of the given domain to see if they are open. This parameter is **Optional**. Requires domain to be set.

emailAddress (type string) - specifies the email address that is to be analysed. This parameter is **Optional**.

### Whois query

**domain=aql.com&whois=on**

Parameter	Value	Description
whois	On	Perform whois search

```

<response>
<Address>
  <IP>194.145.189.106</IP>
  <DomainName>aql.com</DomainName>
</Address>
<whois server="whois.internic.net">
  <domainName>AQL.COM</domainName>
  <registrar>
    CSL COMPUTER SERVICE LANGENBACH GMBH D/B/A JOKER.COM
  </registrar>
  <whoisServer>whois.joker.com</whoisServer>
  <referralUrl>http://www.joker.com</referralUrl>
  <nameServer>NS0.AQ.NET.UK</nameServer>
  <nameServer>NS1.AQ.NET.UK</nameServer>
  <nameServer>NS2.AQ.NET.UK</nameServer>
  <nameServer>NS3.AQ.NET.UK</nameServer>
  <status>clientTransferProhibited http://www.icann.org/epp</status>
  <updatedAt>29-oct-2014</updatedAt>
  <creationDate>10-nov-1997</creationDate>
  <expirationDate>09-nov-2020</expirationDate>
</whois>
</response>

```

## Dig query

**domain=aql.com&dig=on&recordType=MX**

Parameter	Value	Description
dig	On	Perform DNS lookup
recordType	MX,NS,A,CNAME,PTR,TXT,SOA,all	DNS record type

```

<response>
<Address>
  <IP>194.145.189.106</IP>
  <DomainName>aql.com</DomainName>
</Address>
<Dig>
  <MX>
    <host>aql.com</host>
    <pri>0</pri>
    <target>inderstar3.a-q.co.uk</target>
    <class>IN</class>
    <ttl>600</ttl>
  </MX>
</Dig>
</response>

```

## Ping query

domain=aql.com&ping=on

Parameter	Value	Description
ping	On	Perform ping

```
<response>
  <Address>
    <IP>194.145.189.106</IP>
    <DomainName>aql.com</DomainName>
  </Address>
  <Ping>
    <packet1 icmp_req="1" ttl="62" rtt="6.92" from="194.145.189.106"/>
    <packet2 icmp_req="2" ttl="62" rtt="6.43" from="194.145.189.106"/>
    <packet3 icmp_req="3" ttl="62" rtt="6.22" from="194.145.189.106"/>
    <packet4 icmp_req="4" ttl="62" rtt="6.29" from="194.145.189.106"/>
    <packet5 icmp_req="5" ttl="62" rtt="6.83" from="194.145.189.106"/>
    <PingStats>
      <stats packetsSent="5" packetsReceived="5" packetLoss="0" time="4004"/>
    </PingStats>
  </Ping>
</response>
```

## Trace query

domain=aql.com&trace=on

Parameter	Value	Description
trace	On	Perform trace

```
<response>
  <Address>
    <IP>194.145.189.106</IP>
    <DomainName>aql.com</DomainName>
  </Address>
  <traceRoute>
    <traceRoute TraceTo="aql.com"/>
    <traceRoute hop1="traceroute to 194.145.189.106 (194.145.189.106), 30
hops max, 60 byte packets "/>
    <traceRoute hop2="rt.the.aql.com (194.145.190.1) 2.706 ms 2.663 ms 2.652
ms"/>
    <traceRoute hop3="unassigned.aql.com (194.145.188.182) 7.691 ms 7.700 ms
7.713 ms"/>
    <traceRoute hop4="rt1.hex.aql.com (194.145.189.246) 9.036 ms 9.037 ms
9.029 ms"/>
  </traceRoute>
</response>
```



## Portscan query

**domain=aql.com&portscan=on**

Parameter	Value	Description
portscan	On	Perform portscan

```
<response>
<Address>
  <IP>194.145.189.106</IP>
  <DomainName>aql.com</DomainName>
</Address>
<PortScan>
  <FTP-21>504</FTP-21>
  <SMTP-25>504</SMTP-25>
  <Finger-79>504</Finger-79>
  <HTTP-80>
    HTTP/1.1 200 OK
    Date: Mon, 05 Oct 2015 13:32:15 GMT
    Server: Apache
    Set-Cookie: PHPSESSID=d34d5d1fda4372c6abd684a699acfa6f; path=/
    Expires: Thu, 19 Nov 1981 08:52:00 GMT
    Cache-Control: no-store, no-cache, must-revalidate, post-check=0, pre-
    check=0
    Pragma: no-cache
    Connection: close
    Content-Type: text/html; charset=iso-8859-1
  </HTTP-80>
  <POP3-110>504</POP3-110>
  <IMAP-143>504</IMAP-143>
</PortScan>
</response>
```

## Email query

**email=support@aql.com**

```
<response>
<EmailCheck>
  <preference>0</preference>
  <exchange>inderstar3.a-q.co.uk</exchange>
  <ip>78.40.242.17</ip>
  <SMTPSession>
    220 inderstar3.a-q.co.uk ESMTP Mon, 5 Oct 2015 14:36:13 +0100
  </SMTPSession>
  <SMTPSession>EHLO aql.com</SMTPSession>
  <SMTPSession>
    250-inderstar3.a-q.co.uk Hello service.aql.com [109.239.103.15], pleased
    to meet you
  </SMTPSession>
  <SMTPSession>250-ENHANCEDSTATUSCODES</SMTPSession>
  <SMTPSession>250-PIPELINING</SMTPSession>
  <SMTPSession>250-8BITMIME</SMTPSession>
  <SMTPSession>250-SIZE</SMTPSession>
  <SMTPSession>250-DSN</SMTPSession>
```



```
<SMTPSession>250-ETRN</SMTPSession>
<SMTPSession>250-DELIVERBY</SMTPSession>
<SMTPSession>250 HELP</SMTPSession>
<SMTPSession>MAIL FROM: <looking-glass@uk.aql.com></SMTPSession>
<SMTPSession>250 2.1.0 <looking-glass@uk.aql.com>... Sender
ok</SMTPSession>
<SMTPSession>RCPT TO:<support@aql.com></SMTPSession>
<SMTPSession>553 5.3.0 <support@aql.com>...
>support<@aql.com.</SMTPSession>
<SMTPSession>RSET</SMTPSession>
<SMTPSession>250 2.0.0 Reset state</SMTPSession>
<SMTPSession>QUIT</SMTPSession>
<SMTPSession>221 2.0.0 inderstar3.a-q.co.uk closing
connection</SMTPSession>
</EmailCheck>
</response>
```