Exercise 3

Q1

- IP address: 13.185.0.1
- It is a recursive query
- Command: dig www.eecs.berkeley.edu A
- Output:

; «» DiG 9.16.27-Debian «» www.eecs.berkeley.edu A ;; global options: +cmd ;; Got answer: ;; -»HEADER«- opcode: QUERY, status: NOERROR, id: 29444 ;; flags: qr rd ra; QUERY: 1, ANSWER: 3, AUTHORITY: 4, ADDITIONAL: 6

;; OPT PSEUDOSECTION: ; EDNS: version: 0, flags:; udp: 4096 ;; QUESTION SECTION: ;www.eecs.berkeley.edu. IN A

;; ANSWER SECTION: www.eecs.berkeley.edu. 72431 IN CNAME live-eecs.pantheonsite.io. live-eecs.pantheonsite.io. 600 IN CNAME fe1.edge.pantheon.io. fe1.edge.pantheon.io. 300 IN A 23.185.0.1

;; AUTHORITY SECTION: edge.pantheon.io. 127 IN NS ns-644.awsdns-16.net. edge.pantheon.io. 127 IN NS ns-2013.awsdns-59.co.uk. edge.pantheon.io. 127 IN NS ns-1213.awsdns-23.org. edge.pantheon.io. 127 IN NS ns-233.awsdns-29.com.

;; ADDITIONAL SECTION: ns-233.awsdns-29.com. 144643 IN A 205.251.192.233 ns-644.awsdns-16.net. 82154 IN A 205.251.194.132 ns-1213.awsdns-23.org. 78985 IN A 205.251.196.189 ns-1213.awsdns-23.org. 67006 IN AAAA 2600:9000:5304:bd00::1 ns-2013.awsdns-59.co.uk. 77471 IN A 205.251.199.221

;; Query time: 20 msec ;; SERVER: 129.94.208.3#53(129.94.208.3) ;; WHEN: Thu Jun 23 16:04:22 AEST 2022 ;; MSG SIZE rcvd: 369

Q2

The canonical name (CNAME) is fel.edge.pantheon.io

- Having an alias for the server means multiple hostnames will point to the same subdomain, where each hostname could serve a different purpose.

Q3

The details in the Authority section tells us that there are multiple aws dns name servers that have the authority to respond to the query.

The Additional section provides resource records (RRs) which relate to the query but are not strictly answers for the query, like information about the IP addresses of the authoritative DNS servers shown in the Authority section.

1

Q4

nameserver 129.94.242.2

cat /etc/resolv.conf

domain orchestra.cse.unsw.EDU.AU. nameserver 129.94.242.2 nameserver 129.94.242.45 nameserver 129.94.242.33 options rotate search orchestra.cse.unsw.EDU.AU. cse.unsw.EDU.AU. unsw.EDU.AU.

Q5

DNS nameservers are:

- 169.229.60.61
- 169.229.60.153
- 128.32.136.3
- 128.32.136.14
- 192.107.102.142

dig eecs.berkeley.edu A

; «» DiG 9.9.5-9+deb8u19-Debian «» eecs.berkeley.edu A ;; global options: +cmd ;; Got answer: ;; -»HEADER«- opcode: QUERY, status: NOERROR, id: 34576 ;; flags: qr rd ra; QUERY: 1, ANSWER: 1, AUTHORITY: 5, ADDITIONAL: 10

;; OPT PSEUDOSECTION: ; EDNS: version: 0, flags:; udp: 4096 ;; QUESTION SECTION: ;eecs.berkeley.edu. IN A

;; ANSWER SECTION: eecs.berkeley.edu. 72919 IN A 23.185.0.1

;; AUTHORITY SECTION: eecs.berkeley.edu. 47630 IN NS adns3.berkeley.edu. eecs.berkeley.edu. 47630 IN NS adns1.berkeley.edu. eecs.berkeley.edu. 47630 IN NS adns2.berkeley.edu. eecs.berkeley.edu. 47630 IN NS ns.CS.berkeley.edu. eecs.berkeley.edu. 47630 IN NS ns.eecs.berkeley.edu.

;; ADDITIONAL SECTION: ns.CS.berkeley.edu. 75466 IN A 169.229.60.61 ns.eecs.berkeley.edu. 52520 IN A 169.229.60.153 ns.eecs.berkeley.edu. 32340 IN AAAA 2607:f140:8:2160::30 adns1.berkeley.edu. 405 IN A 128.32.136.3 adns1.berkeley.edu. 405 IN AAAA 2607:f140:ffff:fffe::3 adns2.berkeley.edu. 405 IN A 128.32.136.14 adns2.berkeley.edu. 405 IN AAAA 2607:f140:ffff:fffe::e adns3.berkeley.edu. 405 IN A 192.107.102.142 adns3.berkeley.edu. 405 IN AAAA 2607:f140:a000:d::abc

;; Query time: 0 msec ;; SERVER: 129.94.242.2#53(129.94.242.2) ;; WHEN: Mon Jun 27 22:44:32 AEST 2022 ;; MSG SIZE rcvd: 351

Q6

DNS name: webserver.seecs.nust.edu.pk

nslookup 111.68.101.54

Server: 129.94.242.2 Address: 129.94.242.2#53

Non-authoritative answer: 54.101.68.111.in-addr.arpa name = webserver.seecs.nust.edu.pk.

Authoritative answers can be found from: 101.68.111.in-addr.arpa nameserver = ns1.hec.gov.pk. 101.68.111.in-addr.arpa nameserver = ns2.hec.gov.pk. ns1.hec.gov.pk internet address = 103.4.93.5 ns2.hec.gov.pk internet address = 103.4.93.6

Q7

Did not get an authoritative answer because the IP address we used in the query is not in the Authority section meaning it does have the authority to respond to the query.

dig 129.94.242.33 yahoo.com

; «» DiG 9.9.5-9+deb8u19-Debian «» 129.94.242.33 yahoo.com ;; global options: +cmd ;; Got answer: ;; -»HEADER«- opcode: QUERY, status: NXDOMAIN, id: 26458 ;; flags: qr rd ra; QUERY: 1, ANSWER: 0, AUTHORITY: 1, ADDITIONAL: 1

;; OPT PSEUDOSECTION: ; EDNS: version: 0, flags:; udp: 4096 ;; QUESTION SECTION: ;129.94.242.33. IN A

;; AUTHORITY SECTION: . 10800 IN SOA a.root-servers.net. nstld.verisign-grs.com. 2022062700 1800 900 604800 86400

;; Query time: 6 msec ;; SERVER: 129.94.242.2#53(129.94.242.2) ;; WHEN: Mon Jun 27 23:02:12 AEST 2022 ;; MSG SIZE rcvd: 117

;; Got answer: ;; -»HEADER«- opcode: QUERY, status: NOERROR, id: 40330 ;; flags: qr rd ra; QUERY: 1, ANSWER: 6, AUTHORITY: 5, ADDITIONAL: 10

;; OPT PSEUDOSECTION: ; EDNS: version: 0, flags:; udp: 4096 ;; QUESTION SECTION: ;yahoo.com. IN A

;; ANSWER SECTION: yahoo.com. 640 IN A 98.137.11.164 yahoo.com. 640 IN A 98.137.11.163 yahoo.com. 640 IN A 74.6.231.20 yahoo.com. 640 IN A 74.6.231.21 yahoo.com. 640 IN A 74.6.143.26 yahoo.com. 640 IN A 74.6.143.25

;; AUTHORITY SECTION: yahoo.com. 39538 IN NS ns4.yahoo.com. yahoo.com. 39538 IN NS ns2.yahoo.com. yahoo.com. 39538 IN NS ns1.yahoo.com. yahoo.com. 39538 IN NS ns3.yahoo.com. yahoo.com. 39538 IN NS ns5.yahoo.com.

;; ADDITIONAL SECTION: ns1.yahoo.com. 150342 IN A 68.180.131.16 ns1.yahoo.com. 48262 IN AAAA 2001:4998:1b0::7961:686f:6f21 ns2.yahoo.com. 132928 IN A 68.142.255.16 ns2.yahoo.com. 46456 IN AAAA 2001:4998:1c0::7961:686f:6f21

ns3.yahoo.com. 1558 IN A 27.123.42.42 ns3.yahoo.com. 1558 IN AAAA 2406:8600:f03f:1f8::1003 ns4.yahoo.com. 562192 IN A 98.138.11.157 ns5.yahoo.com. 21764 IN A 202.165.97.53 ns5.yahoo.com. 21764 IN AAAA 2406:2000:1d0::7961:686f:6f21

;; Query time: 4 msec ;; SERVER: 129.94.242.2#53(129.94.242.2) ;; WHEN: Mon Jun 27 23:02:12 AEST 2022 ;; MSG SIZE rcvd: 416

Q8

Similar response to Q7.

dig 169.229.60.61 yahoo.com A

; «» DiG 9.9.5-9+deb8u19-Debian «» 169.229.60.61 yahoo.com A ;; global options: +cmd ;; Got answer: ;; -»HEADER«- opcode: QUERY, status: NXDOMAIN, id: 52992 ;; flags: qr rd ra; QUERY: 1, ANSWER: 0, AUTHORITY: 1, ADDITIONAL: 1

;; OPT PSEUDOSECTION: ; EDNS: version: 0, flags:; udp: 4096 ;; QUESTION SECTION: ;169.229.60.61. IN A

;; AUTHORITY SECTION: . 10800 IN SOA a.root-servers.net. nstld.verisign-grs.com. 2022062700 1800 900 604800 86400

;; Query time: 51 msec ;; SERVER: 129.94.242.2#53(129.94.242.2) ;; WHEN: Mon Jun 27 23:15:26 AEST 2022 ;; MSG SIZE rcvd: 117

;; Got answer: ;; -»HEADER«- opcode: QUERY, status: NOERROR, id: 24790 ;; flags: qr rd ra; QUERY: 1, ANSWER: 6, AUTHORITY: 5, ADDITIONAL: 10

;; OPT PSEUDOSECTION: ; EDNS: version: 0, flags:; udp: 4096 ;; QUESTION SECTION: ;yahoo.com. IN A

;; ANSWER SECTION: yahoo.com. 1800 IN A 74.6.231.20 yahoo.com. 1800 IN A 74.6.143.26 yahoo.com. 1800 IN A 98.137.11.163 yahoo.com. 1800 IN A 74.6.231.21 yahoo.com. 1800 IN A 98.137.11.164 yahoo.com. 1800 IN A 74.6.143.25

;; AUTHORITY SECTION: yahoo.com. 38744 IN NS ns5.yahoo.com. yahoo.com. 38744 IN NS ns4.yahoo.com. yahoo.com. 38744 IN NS ns2.yahoo.com. yahoo.com. 38744 IN NS ns1.yahoo.com. yahoo.com. 38744 IN NS ns3.yahoo.com.

;; ADDITIONAL SECTION: ns1.yahoo.com. 149548 IN A 68.180.131.16 ns1.yahoo.com. 47468 IN AAAA 2001:4998:1b0::7961:686f:6f21 ns2.yahoo.com. 132134 IN A 68.142.255.16 ns2.yahoo.com. 45662 IN AAAA 2001:4998:1c0::7961:686f:6f21 ns3.yahoo.com. 764 IN A 27.123.42.42 ns3.yahoo.com. 764 IN AAAA 2406:8600:f03f:1f8::1003 ns4.yahoo.com. 561398 IN A 98.138.11.157

ns5.yahoo.com. 20970 IN A 202.165.97.53 ns5.yahoo.com. 20970 IN AAAA 2406:2000:1d0::7961:686f:6f21

;; Query time: 100 msec ;; SERVER: 129.94.242.2#53(129.94.242.2) ;; WHEN: Mon Jun 27 23:15:26 AEST 2022 ;; MSG SIZE rcvd: 416

Q9

dig @68.180.131.16 yahoo.com NS

; «» DiG 9.9.5-9+deb8u19-Debian «» @68.180.131.16 yahoo.com NS ; (1 server found) ;; global options: +cmd ;; Got answer: ;; -»HEADER«- opcode: QUERY, status: NOERROR, id: 54507 ;; flags: qr aa rd; QUERY: 1, ANSWER: 5, AUTHORITY: 0, ADDITIONAL: 10 ;; WARNING: recursion requested but not available

;; OPT PSEUDOSECTION: ; EDNS: version: 0, flags:; udp: 1272 ;; QUESTION SECTION: ;yahoo.com. IN NS

;; ANSWER SECTION: yahoo.com. 172800 IN NS ns1.yahoo.com. yahoo.com. 172800 IN NS ns2.yahoo.com. yahoo.com. 172800 IN NS ns5.yahoo.com. yahoo.com. 172800 IN NS ns4.yahoo.com. yahoo.com. 172800 IN NS ns3.yahoo.com.

;; ADDITIONAL SECTION: ns1.yahoo.com. 1209600 IN A 68.180.131.16 ns2.yahoo.com. 1209600 IN A 68.142.255.16 ns3.yahoo.com. 1800 IN A 27.123.42.42 ns4.yahoo.com. 1209600 IN A 98.138.11.157 ns5.yahoo.com. 86400 IN A 202.165.97.53 ns1.yahoo.com. 86400 IN AAAA 2001:4998:1b0::7961:686f:6f21 ns2.yahoo.com. 86400 IN AAAA 2001:4998:1c0::7961:686f:6f21 ns3.yahoo.com. 1800 IN AAAA 2406:8600:f03f:1f8::1003 ns5.yahoo.com. 86400 IN AAAA 2406:2000:1d0::7961:686f:6f21

;; Query time: 141 msec ;; SERVER: 68.180.131.16#53(68.180.131.16) ;; WHEN: Mon Jun 27 23:27:50 AEST 2022 ;; MSG SIZE rcvd: 320

dig @68.180.131.16 yahoo.com MX

; «» DiG 9.9.5-9+deb8u19-Debian «» @68.180.131.16 yahoo.com MX ; (1 server found) ;; global options: +cmd ;; Got answer: ;; -»HEADER«- opcode: QUERY, status: NOERROR, id: 7989 ;; flags: qr aa rd; QUERY: 1, ANSWER: 3, AUTHORITY: 0, ADDITIONAL: 1 ;; WARNING: recursion requested but not available

;; OPT PSEUDOSECTION: ; EDNS: version: 0, flags:; udp: 1272 ;; QUESTION SECTION: ;yahoo.com. IN MX

;; ANSWER SECTION: yahoo.com. 1800 IN MX 1 mta7.am0.yahoodns.net. yahoo.com. 1800 IN MX 1 mta5.am0.yahoodns.net. yahoo.com. 1800 IN MX 1 mta6.am0.yahoodns.net.

;; Query time: 141 msec ;; SERVER: 68.180.131.16#53(68.180.131.16) ;; WHEN: Mon Jun 27 23:29:39 AEST 2022 ;; MSG SIZE rcvd: 117

Q10

129.94.210.20, queried 5 DNS

- Commands:

dig . NS

; «» DiG 9.16.27-Debian «» . NS ;; global options: +cmd ;; Got answer: ;; -»HEADER«- opcode: QUERY, status: NOERROR, id: 62545 ;; flags: qr rd ra; QUERY: 1, ANSWER: 13, AUTHORITY: 0, ADDITIONAL: 27

;; OPT PSEUDOSECTION: ; EDNS: version: 0, flags:; udp: 4096 ;; QUESTION SECTION: ;. IN NS

;; ANSWER SECTION: . 238055 IN NS h.root-servers.net. . 238055 IN NS f.root-servers.net. . 238055 IN NS d.root-servers.net. . 238055 IN NS a.root-servers.net. . 238055 IN NS l.root-servers.net. . 238055 IN NS j.root-servers.net. . 238055 IN NS e.root-servers.net. . 238055 IN NS i.root-servers.net. . 238055 IN NS m.root-servers.net. . 238055 IN NS b.root-servers.net. . 238055 IN NS c.root-servers.net. . 238055 IN NS k.root-servers.net. . 238055 IN NS g.root-servers.net.

;; ADDITIONAL SECTION: a.root-servers.net. 148339 IN A 198.41.0.4 a.root-servers.net. 104368 IN AAAA 2001:503:ba3e::2:30 b.root-servers.net. 101068 IN A 199.9.14.201 b.root-servers.net. 107409 IN AAAA 2001:500:200::b c.root-servers.net. 94507 IN A 192.33.4.12 c.root-servers.net. 30663 IN AAAA 2001:500:2::c d.root-servers.net. 101068 IN A 199.7.91.13 d.root-servers.net. 107409 IN AAAA 2001:500:2d::d e.root-servers.net. 462663 IN A 192.203.230.10 e.root-servers.net. 30663 IN AAAA 2001:500:a8::e f.root-servers.net. 65939 IN A 192.5.5.241 f.root-servers.net. 30663 IN AAAA 2001:500:2f::f g.root-servers.net. 504481 IN A 192.112.36.4 g.root-servers.net. 82578 IN AAAA 2001:500:12::d0d h.root-servers.net. 506812 IN A 198.97.190.53 h.root-servers.net. 30663 IN AAAA 2001:500:1::53 i.root-servers.net. 101068 IN A 192.36.148.17 i.root-servers.net. 30663 IN AAAA 2001:7fe::53 j.root-servers.net. 504482 IN A 192.58.128.30 j.root-servers.net. 107409 IN AAAA 2001:503:c27::2:30 k.root-servers.net. 30663 IN A 193.0.14.129 k.root-servers.net. 30663 IN AAAA 2001:7fd::1 l.root-servers.net. 522744 IN A 199.7.83.42 l.root-servers.net. 107409 IN AAAA 2001:500:9f::42 m.root-servers.net. 94506 IN A 202.12.27.33 m.root-servers.net. 107409 IN AAAA 2001:dc3::35

;; Query time: 12 msec ;; SERVER: 129.94.208.3#53(129.94.208.3) ;; WHEN: Thu Jun 23 14:42:11 AEST 2022 ;; MSG SIZE rcvd: 811

dig @198.41.0.4 lyre00.cse.unsw.edu.au NS

; «» DiG 9.16.27-Debian «» @198.41.0.4 lyre00.cse.unsw.edu.au NS ; (1 server found) ;; global options: +cmd ;; Got answer: ;; -»HEADER«- opcode: QUERY, status: NOERROR, id: 13625 ;; flags: qr rd; QUERY: 1, ANSWER: 0, AUTHORITY: 4, ADDITIONAL: 9 ;; WARNING: recursion requested but not available

;; OPT PSEUDOSECTION: ; EDNS: version: 0, flags:; udp: 4096 ;; QUESTION SECTION: ;lyre00.cse.unsw.edu.au. IN NS

;; AUTHORITY SECTION: au. 172800 IN NS q.au. au. 172800 IN NS t.au. au. 172800 IN NS s.au. au. 172800 IN NS r.au.

;; ADDITIONAL SECTION: q.au. 172800 IN A 65.22.196.1 q.au. 172800 IN AAAA 2a01:8840:be::1 t.au. 172800 IN A 65.22.199.1 t.au. 172800 IN AAAA 2a01:8840:c1::1 s.au. 172800 IN A 65.22.198.1 s.au. 172800 IN AAAA 2a01:8840:c0::1 r.au. 172800 IN A 65.22.197.1 r.au. 172800 IN AAAA 2a01:8840:bf::1

;; Query time: 152 msec ;; SERVER: 198.41.0.4#53(198.41.0.4) ;; WHEN: Thu Jun 23 14:44:39 AEST 2022 ;; MSG SIZE rcvd: 291

dig @65.22.196.1 lyre00.cse.unsw.edu.au NS

; «» DiG 9.16.27-Debian «» @65.22.196.1 lyre00.cse.unsw.edu.au NS ; (1 server found) ;; global options: +cmd ;; Got answer: ;; -»HEADER«- opcode: QUERY, status: NOERROR, id: 35442 ;; flags: qr rd; QUERY: 1, ANSWER: 0, AUTHORITY: 3, ADDITIONAL: 6 ;; WARNING: recursion requested but not available

;; OPT PSEUDOSECTION: ; EDNS: version: 0, flags:; udp: 1232 ;; QUESTION SECTION: ;lyre00.cse.unsw.edu.au. IN NS

;; AUTHORITY SECTION: unsw.edu.au. 900 IN NS ns3.unsw.edu.au. unsw.edu.au. 900 IN NS ns1.unsw.edu.au. unsw.edu.au. 900 IN NS ns2.unsw.edu.au.

;; ADDITIONAL SECTION: ns1.unsw.edu.au. 900 IN A 129.94.0.192 ns2.unsw.edu.au. 900 IN A 129.94.0.193 ns3.unsw.edu.au. 900 IN A 192.155.82.178 ns1.unsw.edu.au. 900 IN AAAA 2001:388:c:35::1 ns2.unsw.edu.au. 900 IN AAAA 2001:388:c:35::2

;; Query time: 24 msec ;; SERVER: 65.22.196.1#53(65.22.196.1) ;; WHEN: Thu Jun 23 14:47:00 AEST 2022 ;; MSG SIZE rcvd: 209

dig @129.94.0.192 lyre00.cse.unsw.edu.au NS

; «» DiG 9.16.27-Debian «» @129.94.0.192 lyre00.cse.unsw.edu.au NS ; (1 server found) ;; global options: +cmd ;; Got answer: ;; -»HEADER«- opcode: QUERY, status: NOERROR, id: 30165 ;; flags: qr rd; QUERY: 1, ANSWER: 0, AUTHORITY: 2, ADDITIONAL: 5 ;; WARNING: recursion requested but not available

;; OPT PSEUDOSECTION: ; EDNS: version: 0, flags:; udp: 4096 ;; QUESTION SECTION: ;lyre00.cse.unsw.edu.au. IN NS

;; AUTHORITY SECTION: cse.unsw.edu.au. 300 IN NS maestro.orchestra.cse.unsw.edu.au. cse.unsw.edu.au. 300 IN NS beethoven.orchestra.cse.unsw.edu.au.

;; ADDITIONAL SECTION: beethoven.orchestra.cse.unsw.edu.au. 300 IN A 129.94.242.2 beethoven.orchestra.cse.unsw.edu.au. 300 IN A 129.94.172.11 beethoven.orchestra.cse.unsw.edu.au. 300 IN A 129.94.208.3 maestro.orchestra.cse.unsw.edu.au. 300 IN A 129.94.242.33

;; Query time: 4 msec ;; SERVER: 129.94.0.192#53(129.94.0.192) ;; WHEN: Thu Jun 23 14:50:24 AEST 2022 ;; MSG SIZE rcvd: 171

dig @129.94.242.2 lyre00.cse.unsw.edu.au NS

; «» DiG 9.16.27-Debian «» @129.94.242.2 lyre00.cse.unsw.edu.au NS ; (1 server found) ;; global options: +cmd ;; Got answer: ;; -»HEADER«- opcode: QUERY, status: NOERROR, id: 4237 ;; flags: qr aa rd ra; QUERY: 1, ANSWER: 0, AUTHORITY: 1, ADDITIONAL: 1

;; OPT PSEUDOSECTION: ; EDNS: version: 0, flags:; udp: 4096 ;; QUESTION SECTION: ;lyre00.cse.unsw.edu.au. IN NS

;; AUTHORITY SECTION: cse.unsw.EDU.AU. 900 IN SOA maestro.orchestra.cse.unsw.EDU.AU. hostmaster.cse.unsw.edu.au. 2022062200 2000 300 1209600 900

;; Query time: 12 msec ;; SERVER: 129.94.242.2#53(129.94.242.2) ;; WHEN: Thu Jun 23 14:50:52 AEST 2022 ;; MSG SIZE rcvd: 131

dig @129.94.242.2 lyre00.cse.unsw.edu.au A

; «» DiG 9.16.27-Debian «» @129.94.242.2 lyre00.cse.unsw.edu.au A ; (1 server found) ;; global options: +cmd ;; Got answer: ;; -»HEADER«- opcode: QUERY, status: NOERROR, id: 51828 ;; flags: qr aa rd ra; QUERY: 1, ANSWER: 1, AUTHORITY: 2, ADDITIONAL: 3

;; OPT PSEUDOSECTION: ; EDNS: version: 0, flags:; udp: 4096 ;; QUESTION SECTION: ;lyre00.cse.unsw.edu.au. IN A

;; ANSWER SECTION: lyre00.cse.unsw.EDU.AU. 3600 IN A 129.94.210.20

;; AUTHORITY SECTION: cse.unsw.EDU.AU. 3600 IN NS beethoven.orchestra.cse.unsw.EDU.AU. cse.unsw.EDU.AU. 3600 IN NS maestro.orchestra.cse.unsw.EDU.AU.

;; ADDITIONAL SECTION: maestro.orchestra.cse.unsw.EDU.AU. 3600 IN A 129.94.242.33 beethoven.orchestra.cse.unsw.EDU.AU. 3600 IN A 129.94.208.3

;; Query time: 0 msec ;; SERVER: 129.94.242.2#53(129.94.242.2) ;; WHEN: Thu Jun 23 14:50:58 AEST 2022 ;; MSG SIZE rcvd: 177