

# Jammu Kashmir 2019

On August 5th 2019 India revoked the special status of Jammu Kashmir ([see here](#)) which led to unrest.

It would be interesting to see if there is any impact on the Internet connectivity to Universities in Jammu Kashmir that is correlated with the recent or future changes/responses.

To do this we need targets that are located in Jammu Kashmir. We can find universities that are located in JK using Wikipedia. From Wikipedia Les obtained the following universities in Jammu Kashmir

- The URL is [https://en.wikipedia.org/wiki/List\\_of\\_institutions\\_of\\_higher\\_education\\_in\\_Jammu\\_and\\_Kashmir](https://en.wikipedia.org/wiki/List_of_institutions_of_higher_education_in_Jammu_and_Kashmir)
- If the host does not respond to a ping then the host is not useful to PingER
- If the RTT is <200ms then I posit the host is not in Jammu Kashmir and is not of interest to PingER
- The Lat/long is found using Google maps, searching for the University, moving the mouse over it and right clicking (ctrl click on Mac).
- The AS of the last traceroute hop is found using e.g. <https://www.slac.stanford.edu/cgi-bin/traceroute.pl?target=www.skuast.org&function=traceroute>
- The owner of the AS is found using <http://asn.cymru.com/cgi-bin/whois.cgi>
  - <http://www.uok.edu.in/>, unknown, web no response,
  - <http://www.skuastkashmir.ac.in/>, web site responds, ping 16ms
  - <http://www.jammuuniversity.in/>, 116.193.161.3, web responds, no pings
  - <http://skimsmc.edu.in/>, ,suspended
  - [http://www.skimsmc.edu.in\(166.62.10.226\):](http://www.skimsmc.edu.in(166.62.10.226):) icmp\_seq=1 ttl=48 time=181 ms
  - [https://www.skuast.org\(103.35.120.78\):](https://www.skuast.org(103.35.120.78):) icmp\_seq=1 ttl=43 time=285 ms, web responds, traceroute last (14th) hop [14.140.113.58.static-Delhi-vsnl.net.in](#) (14.140.113.58) [AS4755=TATACOMM-AS TATA Communications formerly VSNL is Leading ISP, IN] 292.209 ms A later traceroute gave hop(20) [vps21.pugmarks.in](#) (103.35.120.24) [AS134255[PUGMARKS-AS Pugmarks InterWeb Pvt. Ltd., IN] /AS38546] 283.701 ms
  - [http://www.cujammu.ac.in/\(205.144.171.55\):](http://www.cujammu.ac.in/(205.144.171.55):) icmp\_seq=1 ttl=112 time=14.3 ms, web responds
  - [http://www.cukashmir.ac.in/\(132.148.80.84\):](http://www.cukashmir.ac.in/(132.148.80.84):) icmp\_seq=1 ttl=114 time=19.5 ms
  - [https://www.smvdu.ac.in/\(166.62.27.186\):](https://www.smvdu.ac.in/(166.62.27.186):) icmp\_seq=1 ttl=48 time=191 ms
  - [http://www.iustlive.com/\(202.66.174.254\):](http://www.iustlive.com/(202.66.174.254):) icmp\_seq=1 ttl=107 time=268 ms, traceroute last AS17439 is NETMAGIC-AP Netmagic Datacenter Mumbai, IN
  - [https://www.bgsbuniversity.org/\(104.27.187.69\):](https://www.bgsbuniversity.org/(104.27.187.69):) icmp\_seq=1 ttl=55 time=1.72 ms

This yields 2 Universities

- [www.skuast.org](http://www.skuast.org)
- [www.iustlive.com](http://www.iustlive.com)

However, we are by no means sure the target hosts are really in Jammu Kashmir (e.g. they may be proxies in say Delhi, or Mumbai).

So I am wondering what the ping times and traceroutes look like from say Amity or NUST. Maybe that can provide more assurance or otherwise that the targets are in JK. Or are there other ideas for finding targets in JK.

Right now I cannot access:

- <http://202.12.103.71/cgi-bin/traceroute.pl?function=traceroute&target=www.skuast.org&options=-i%200.2> to run a traceroute from Amity.
  - the link <http://maggie2.seecs.edu.pk/cgi-bin/traceroute.pl?function=ping&target=www.slac.stanford.edu&options=-i%200.2> does not appear to get any pings back.
  - In fact, the Amity PingER MA is seldom accessible from SLAC and even when accessible there are few recorded ping measurements. I sent email to Amity requesting someone to take a look at this.
- Pings from pinger.vu.edu.pk to [www.skuast.org](http://www.skuast.org): appear as:

```
Executing exec(traceroute -m 30 -q 3 202.66.174.254 140)
traceroute to 202.66.174.254 (202.66.174.254), 30 hops max, 140 byte packets
 1 111.68.103.46 (111.68.103.46) 2.516 ms 2.596 ms 2.941 ms
 2 pern2-dgw.vu.edu.pk (111.68.103.49) 2.686 ms 2.733 ms 3.026 ms
 3 172.31.252.237 (172.31.252.237) 3.760 ms 4.027 ms 4.068 ms
 4 172.31.240.37 (172.31.240.37) 2.724 ms 3.009 ms 3.052 ms
 5 tw21-static61.tw1.com (117.20.21.61) 3.486 ms 3.550 ms 3.599 ms
 6 110.93.253.226 (110.93.253.226) 19.598 ms 110.93.254.142 (110.93.254.142) 19.219 ms 110.93.253.226 (110.93.253.226) 17.790 ms
 7 110.93.253.166 (110.93.253.166) 21.519 ms 110.93.252.172 (110.93.252.172) 18.901 ms 25.667 ms
 8 9498.sgwg.equinix.com (27.111.228.40) 103.922 ms 104.838 ms 102.564 ms
 9 182.79.190.73 (182.79.190.73) 235.072 ms 182.79.149.252 (182.79.149.252) 237.938 ms 182.79.135.26 (182.79.135.26) 242.661 ms
10 dsl-ncr-static-114.67.16.125.airtelbroadband.in (125.16.67.114) 282.086 ms 287.454 ms 287.204 ms
11 180.179.197.66 (180.179.197.66) 299.453 ms 180.179.197.58 (180.179.197.58) 295.586 ms 294.574 ms
12 180.179.195.181 (180.179.195.181) 294.956 ms 306.754 ms 304.171 ms
13 * * *
```

From monitor.seecs.edu.pk to [www.skuast.org](http://www.skuast.org):

```

Executing exec(traceroute, -m 30 -q 3 -f 3, 103.35.120.78, 140)
traceroute to 103.35.120.78 (103.35.120.78), 30 hops max, 140 byte packets
 4 10.1.100.1 (10.1.100.1) 0.705 ms 0.428 ms 0.366 ms
 5 10.0.11.1 (10.0.11.1) 1.154 ms 1.102 ms 1.289 ms
 6 111.68.101.1.nust.edu.pk (111.68.101.1) 1.983 ms 2.174 ms 2.120 ms
 7 172.31.252.25 (172.31.252.25) 2.559 ms 2.449 ms 2.142 ms
 8 tw23-static237.twl.com (117.20.23.237) 1.707 ms 2.296 ms 10.764 ms
 9 110.93.252.98 (110.93.252.98) 18.836 ms 18.776 ms 18.720 ms
10 110.93.253.166 (110.93.253.166) 21.470 ms 19.279 ms 21.353 ms
11 9498.sgw.equinix.com (27.111.228.40) 106.105 ms 107.032 ms 105.505 ms
12 182.79.149.20 (182.79.149.20) 259.644 ms 182.79.149.18 (182.79.149.18) 272.084 ms 276.134 ms
13 * * *
14 203.100.78.10 (203.100.78.10) 308.708 ms 306.042 ms 306.818 ms
15 vps21.pugmarks.in (103.35.120.24) 308.732 ms 309.289 ms 309.475 ms
16 * * *

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- Pings from monitor.seecs.edu.pk to www.iustlive.com appear as:

```

Executing exec(traceroute -m 30 -q 3 202.66.174.254 140)
traceroute to 202.66.174.254 (202.66.174.254), 30 hops max, 140 byte packets
 1 10.3.20.1 (10.3.20.1) 0.584 ms 1.000 ms 1.237 ms
 2 10.1.2.254 (10.1.2.254) 0.789 ms 0.443 ms 0.586 ms
 3 10.1.1.22 (10.1.1.22) 10.725 ms 10.962 ms 11.100 ms
 4 10.1.100.1 (10.1.100.1) 0.605 ms 0.383 ms 0.663 ms
 5 10.0.11.1 (10.0.11.1) 1.064 ms 0.780 ms 1.009 ms
 6 111.68.101.1.nust.edu.pk (111.68.101.1) 1.989 ms 1.815 ms 1.746 ms
 7 172.31.252.25 (172.31.252.25) 2.188 ms 2.323 ms 2.073 ms
 8 tw23-static237.twl.com (117.20.23.237) 2.604 ms 2.476 ms 2.521 ms
 9 110.93.252.98 (110.93.252.98) 23.663 ms 23.778 ms 23.716 ms
10 110.93.253.166 (110.93.253.166) 24.523 ms 24.585 ms 24.542 ms
11 9498.sgw.equinix.com (27.111.228.40) 104.193 ms 104.053 ms 104.431 ms
12 182.79.190.69 (182.79.190.69) 239.589 ms 182.79.149.252 (182.79.149.252) 247.328 ms 182.79.135.26
(182.79.135.26) 242.917 ms
13 dsl-ncr-static-114.67.16.125.airtelbroadband.in (125.16.67.114) 296.496 ms 302.597 ms 296.965 ms
14 180.179.197.58 (180.179.197.58) 286.933 ms 180.179.197.66 (180.179.197.66) 297.869 ms 180.179.197.58
(180.179.197.58) 291.975 ms
15 180.179.195.181 (180.179.195.181) 311.129 ms 305.208 ms 304.978 ms
16 * * *

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or later:

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Executing exec(traceroute -m 30 -q 3 103.35.120.78 140)
traceroute to 103.35.120.78 (103.35.120.78), 30 hops max, 140 byte packets
 1 10.3.20.1 (10.3.20.1) 0.486 ms 0.730 ms 0.891 ms
 2 10.1.2.254 (10.1.2.254) 0.633 ms 0.433 ms 0.798 ms
 3 10.1.1.54 (10.1.1.54) 0.822 ms 0.598 ms 1.050 ms
 4 10.1.100.1 (10.1.100.1) 0.375 ms 0.380 ms 0.376 ms
 5 10.0.11.1 (10.0.11.1) 0.841 ms 1.021 ms 0.824 ms
 6 111.68.101.1.nust.edu.pk (111.68.101.1) 1.991 ms 1.840 ms 1.585 ms
 7 172.31.252.25 (172.31.252.25) 2.822 ms 2.810 ms 2.808 ms
 8 tw23-static237.twl.com (117.20.23.237) 1.447 ms 2.441 ms 2.437 ms
 9 110.93.254.140 (110.93.254.140) 23.575 ms 23.581 ms 23.815 ms
10 110.93.253.166 (110.93.253.166) 24.364 ms 24.347 ms 24.331 ms
11 9498.sgw.equinix.com (27.111.228.40) 104.280 ms 104.360 ms 111.019 ms
12 182.79.149.16 (182.79.149.16) 252.888 ms 182.79.149.18 (182.79.149.18) 256.297 ms 182.79.149.20
(182.79.149.20) 257.200 ms
13 aes-static-174.123.17.125.airtel.in (125.17.123.174) 306.220 ms 308.392 ms 306.657 ms
14 203.100.78.10 (203.100.78.10) 308.182 ms 308.236 ms 306.584 ms [AS24515/AS9430/AS4058]

15 vps21.pugmarks.in (103.35.120.24) 308.510 ms 308.721 ms 307.485 ms [AS134255/AS38546]

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I tried using <https://hackertarget.com/as-ip-lookup/> and <https://www.ultratools.com/tools/asnInfo> to find the AS of 9498.sgw.equinix.com (27.111.228.40) as well as 182.79.190.69 but without success.