Trouble Ticket					
Trouble Ticket TT-05-2024	No access to head office corporate resources or other remote sites.				
Date	05/04/2024				
Reporting User	On Site Technician				
Status	Open – passed to Networking and Remote Access Team				
Priority	Very Urgent - High				
Location	Remote Site S3				
Affected Users	All users				
Issue	Network down				
Issue Description	A replacement router was sent in after the sudden breakdown of the previous one. The engineer the premises configured the router but doesn't seem to see or get any information from other remote site routers. Other sites confirm not being able to also reach Remote Site S3. This issue affects them with working with other sites and vice versa.				
Action taken by Tier 1 engineer	 Tier 1 logs the problem on the ticketing system for resolution and takes the following action: 1) Checks if the router is powered on and the power cables for any issue and confirms it is indeed turned on and no issues with the supply cables 2) Tests the network cables connected to the physical interfaces and also re-crimps the cable and sure enough they work well. 3) Pings the hub's IP and nothing shows. 				
Test Ping done by Tier 1 engineer	S3#ping 192.168.1.3 Type secape sequence to abort. Sending 5, 100-byte ICMP Echos to 192.168.1.3, timeout is 2 seconds: Success rate is 0 percent (0/5) S3#ping 192.168.1.5 Type escape sequence to abort. Sending 5, 100-byte ICMP Echos to 192.168.1.5, timeout is 2 seconds: Success rate is 0 percent (0/5) S3#ping 192.168.2.2 Type escape sequence to abort. Sending 5, 100-byte ICMP Echos to 192.168.2.2, timeout is 2 seconds: Success rate is 0 percent (0/5) S3#ping 192.168.2.3 Type escape sequence to abort. Sending 5, 100-byte ICMP Echos to 192.168.2.3, timeout is 2 seconds: Success rate is 0 percent (0/5) S3#ping 192.168.2.5 Type escape sequence to abort. Sending 5, 100-byte ICMP Echos to 192.168.2.5, timeout is 2 seconds: Success rate is 0 percent (0/5) S3#ping 192.168.2.5 Type escape sequence to abort. Sending 5, 100-byte ICMP Echos to 192.168.2.5, timeout is 2 seconds: Success rate is 0 percent (0/5) S3#ping 192.168.2.4 Type escape sequence to abort. Sending 5, 100-byte ICMP Echos to 192.168.2.4, timeout is 2 seconds: Success rate is 0 percent (0/5) S3#ping 192.168.2.4 Type escape sequence to abort. Sending 5, 100-byte ICMP Echos to 192.168.2.4, timeout is 2 seconds: Success rate is 0 percent (0/5)				

```
S3#sh ip bgp
BGP routes
                    BGP table version is 23, local router ID is 3.3.3.3
tests
                    Status codes: s suppressed, d damped, h history, * valid, > best, i - internal,
                                     r RIB-failure, S Stale, m multipath, b backup-path, f RT-Filter,
                                     x best-external, a additional-path, c RIB-compressed,
                                     t secondary path,
                    Origin codes: i - IGP, e - EGP, ? - incomplete
                    RPKI validation codes: V valid, I invalid, N Not found
                                              Next Hop
                                                                       Metric LocPrf Weight Path
                          Network
                           3.3.3.3/32
                                                0.0.0.0
                                                                              0
                                                                                           32768 i
                                                                                           32768 i
                                                0.0.0.0
                                                                               0
                           160.1.6.0/24
                    s3#
                    S3#sh ip route
                    Codes: L - local, C - connected, S - static, R - RIP, M - mobile, B - BGP
                           D - EIGRP, EX - EIGRP external, O - OSPF, IA - OSPF inter area N1 - OSPF NSSA external type 1, N2 - OSPF NSSA external type 2 E1 - OSPF external type 1, E2 - OSPF external type 2
                           i - IS-IS, su - IS-IS summary, L1 - IS-IS level-1, L2 - IS-IS level-2
                           ia - IS-IS inter area, * - candidate default, U - per-user static route o - ODR, P - periodic downloaded static route, H - NHRP, 1 - LISP
                           a - application route
                           + - replicated route, % - next hop override, p - overrides from PfR
                    Gateway of last resort is not set
                          3.0.0.0/32 is subnetted, 1 subnets
                             3.3.3.3 is directly connected, Loopback0
                          160.1.0.0/16 is variably subnetted, 4 subnets, 2 masks
                             160.1.5.0/24 is directly connected, GigabitEthernet0/1 160.1.5.2/32 is directly connected, GigabitEthernet0/1
                              160.1.6.0/24 is directly connected, GigabitEthernet0/2
                              160.1.6.1/32 is directly connected, GigabitEthernet0/2
                    s3#
The ticket is
                   Time: 15:54, 05/04/2024
then escalated
                   TT-05-2024
to a Tier 2
                    Re: Urgent- Network Down
engineer for
                   Hello Victor,
further
                   The entire network is down and we cannot reach the other branches and headquarters and as such
troubleshooting
                   all work has come to a halt. The first level have done the ping tests and no address is reachable.
                    Please resolve the issue as soon as possible to enable resumption of operations.
                    Best Regards,
                    Matt Hunnigan
```

ı					
ı					
ı					
ı					
ı					
ı					
ı					
ı					
ı					
ı					
ı					
ı					
ı					
ı					
ı					
ı					
ı					
ı					
ı					
ı					
ı					
ı					
ı					
ı					
ı					
ı					
ı					
ı					
ı					
ı					
ı					
ı					
ı					
ı					
ı					
ı					
ı					
ı					
ı					
ı					
Į					
ı					
ı					
•	·	<u> </u>	<u> </u>	 <u> </u>	