

Network Availability and Resiliency

Application availability is the most important function of any network. Network architects are designing networks for resiliency with redundancy and multiple systems. But often these systems are not tested as no one wants to break the network to test it. And we agree. Network assurance needs to provide less, not more disruption. Veriflow is closing the loop on design and implementation of availability and resiliency. Veriflow enables verification across the entirety of your network regardless of vendor or environment, even in the cloud.

5 THINGS TO KNOW ABOUT NETWORK AVAILABILITY AND RESILIENCY

1 REDUNDANCY + FAILOVER DOES NOT ALWAYS EQUAL AVAILABILITY

The intent of your design is not to have multiple paths with a bunch of redundant systems; it is to provide an available and resilient network. Redundancy is of no use until all possible paths are tested and continuously verified.

2 NETWORKS ARE DESIGNED FOR REDUNDANCY BUT ARE NOT ENGINEERED FOR FAILURES

Redundant paths in a network that are not engineered to handle the traffic in the event of a failover can lead to more than just an acceptable degradation of performance. This can overload links and cause a significant amount of packet loss that affects application performance and availability, slowing business.

3 CHANGE IS THE ENEMY

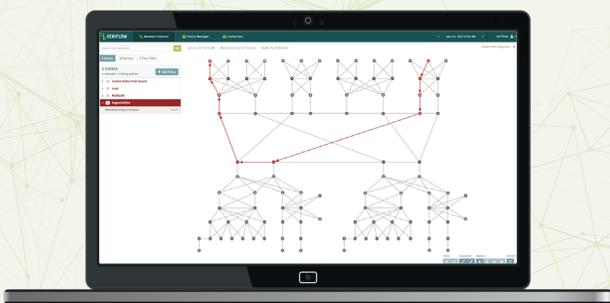
Any small change to the network can introduce a new vulnerability and weaken your network resiliency posture. Network architects and operation teams need to have the ability to continuously verify that the reality of the network meets the business intent — before, during, and after every change.

4 APPLICATION AVAILABILITY STARTS WITH LAYERS 1-4

At the end of the day, availability is all about delivery of the application and services to the end user. But to ensure delivery of any service, you must have a reliable and resilient network where the intent of your design is continuously verified against the reality of your implementation.

5 HA AND THE FIVE 9s CAN'T BE REACHED IN THE MAINTENANCE WINDOW

The global economy never shuts down, and neither does your network. The ever-shrinking maintenance window means that network operation teams need to have a truly predictive model of preventing network outages and disruptions. Veriflow continuously verifies high availability (HA) paths and assures resiliency at any time without any network disruption.



Can't Wait?

Book a demo and see how Continuous Network Verification enables Network Availability and Resiliency in any networking environment, and learn how you can step into intent-based networking without any network disruption in less than a day.

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