

The Challenge

Wholesale fixed-line service providers face the challenge of delivering high capacity, highly reliable, IP-based services.

In many cases service providers build-in substantial over-capacity to mitigate the risk of a network failure impacting customer services. One of Aria's customers needed to look at how the network could be run 'hotter', making better use of current resources without risking network resilience.

Without intelligent IP optimisation the service provider could not be sure how their network would respond to a failure unless there was ample spare capacity everywhere. How could they avoid the expense of increasing link capacity, whenever their existing links exceeded an arbitrary capacity?

The Response

Aria's iVNT IP product was delivered with its IP traffic and Failure Analysis capability. The IP network and demand model was quickly loaded into the iVNT using CISCO Netflow data. The Fault Analysis option within iVNT provided the ability to sequentially fail each Link, Node and Shared Risk Group, reporting on the resultant effect on the network traffic and identifying network hot spots.

The Result

The service provider was able to quickly use Aria iVNT to change the way they assessed IP facilities for upgrading. By running regular fault analysis on their network they can rapidly identify which links exceed utilisation thresholds as high as 80% in a failure scenario. By using this higher threshold to only upgrade links exceeding these criteria, rather than all links exceeding 50% utilisation, the service provider was able to make substantial CAPEX and OPEX reductions by upgrading an estimated 15% to 20% fewer links with the revised approach.

Contact Aria

- Go to www.aria-network.com to learn more about Aria Networks' products
- Contact sales@aria-networks.com to discuss your needs

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