The Challenge

A European Tier-1 communication service provider is offering services to the media and broadcast industry by providing the infrastructure and capability for delivery of multiplexed digital TV services domestically and internationally. Services must be delivered at optimal cost and with high resilience across their traffic engineered MPLS network. These services are predominantly point to multipoint services.

The customer needed a capability to optimally route and automatically configure the network to support these resilient services. Service must be deployed rapidly, and are often relatively short-lived – frequently needed for only hours or days.

In addition, the customer needed to be able to visualise the services end-to-end, from multiple studios to multiple transmitters across the digital TV network.

The Response

Aria's solution involved deployment of iVNT MPLS-TE along with a Juniper (JunOS) adapter to capture network configuration, populate the planning scenarios and then to feed back the automatically generated 'configlet' files into the MPLS network.

The Result

Within the national Digital Switch Over programme and in support of major broadcast events such as the 2010 FIFA World Cup, this operator was able to quickly assess optimal routing options for DTTV service delivery across their network. On identification of the optimal route, the solution was able to create the 'configlet' files to configure the service (LSP) on the network, saving substantial manual effort and ensuring all of the complex options were evaluated.

Contact Aria

- Go to www.aria-network.com to learn more about Aria Networks' products
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