



Router Network Congestion Analytics



Our Client

A telecommunication service provider in Northern India.

Why they needed us

They wanted to utilise the power of analytics to offer better service to the customers.

What we did

We pre-processed the network data using R to make it analytics ready and used pattern matching based classification ML algorithm to detect number of link protections cleared, number of hop tree links

- To provide insight to help our client come up with better router designs
- To identify various bottlenecks in the traffic flow through the routers
- To predict the network congestion at any given time of any given day

How they benefited

Our Congestion analytics solution enabled our client to:

- Identify and rectify network bottlenecks in real-time.
- Proactively plan on how to handle network congestion based on the forecast.
- Design routers which were able to handle network congestion in a better way.

About Redeem Systems

Redeem Systems is a pure-play Engineering and Digital Services Company with focus on mission critical highly engineered + high availability systems. Our global presence spans Asia-Pacific, Middle-east, Europe and North-America.

Our focus verticals include – Tele-communications, Medical Electronics and Aerospace & Strategic Electronics.

Our Product Engineering competencies include Product Design and Development, Verification & Validation, Emerging Markets Strategy and Product Life-Cycle Extension through Value Analysis and Value Engineering

Our Digital competencies are focused on Industrial Internet-of-Things (IIoT), Engineering Big Data Analytics and Software Defined Networking (SDN)/ Network Functions Virtualization (NFV).