

# IMPLEMENTATION OF NETWORK SECURITY INFRASTRUCTURE AT PRS/UTS DATA- CENTRES AND RIDC AT CRIS HQ



## **Project Overview: -**

The Indian Railway Data Centres (DCs) comprise of Central DC at CRIS HQrs, Chanakyapuri and the 05 PRS/UTS DCs at New Delhi, Mumbai (CSTM & CCG), Chennai & Kolkata. All these DCs host critical services for Indian Railway business needs & essential public services.

Keeping in view that mission critical services of Indian Railways are hosted from these Data Centres, the network security infrastructure of these DCs was upgraded with latest technology security solutions adopting industry best practices. In addition to enhancing Network security of the critical systems the solution shall also enable streamlining of the Railways IT security policy and audit compliances.

The following security tools have been deployed in the PRS/UTS Datacenters & RIDC at CRIS, HQ.

Unified threat management (UTM) devices, Security information event management (SIEM), Host based Intrusion Prevention system (HIPS) for servers, end-point protection for users, Vulnerability Assessment (VA), Patch management, Web and e-mail gateway.

# Timelines:-

The work for “Implementation of network security infrastructure at PRS/UTS Datacenters and Internet Datacenter (RIDC) in Chanakyapuri and Implementation of IPsec over UTN” was sanctioned vide Pink book item no. 152 of the year 2012-13.

Procurement of the Network security infrastructure was done in 2014 and installation at CRIS RIDC at Chanakyapuri, New Delhi & PRS / UTS Datacenters at New Delhi, Kolkata, CST-Mumbai and Chennai has been completed in the year 2015.

# Network Security at a glance:-

## Network Security of IR Data centers

