

Intelligent Networks Reconfiguration



Overview

NGIN Overview

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Inovação

- Importance of reconfiguration to the NGIN solution
- Reconfiguring NGIN SCP
- Reconfiguring NGIN DSCP
- NGIN reconfiguration ambitions



NGIN Reconfiguration

- Importance of Reconfiguration to the NGIN solution
 - Improve the use of system resources
 - Achieve the best performance
 - Guarantee the proper behavior and stability







NGIN SCP Reconfiguration

SCP Sketch





NGIN SCP Reconfiguration

- SCP system reconfiguration
 - The reconfiguration of the SCP system without loss of service is only possible in the bigger solutions with redundancy
 - The reconfiguration is achieved by:
 - direct intervention in the SCF (limiting the accepted number of call attempts per second)
 - acting in the SS7 network using CallGap (IN protocol's function to limit the traffic directed to a SCP node)





NGIN DSCP Reconfiguration

- **DSCP** system reconfiguration
 - High-availability mechanism allows reconfiguration of the online portion of the DSCP without service loss for the clients.
 - This method implies a switch in the role of the online applications (Active <> Standby).
 - The offline portion doesn't presents such requirements because it never represents loss of service for the clients.



NGIN Reconfiguration

- What we would like to have
 - Automatic reconfiguration based on the analysis of the load in a node
 - Automatic reconfiguration based on the analysis of the system and network resources in a node
 - Possibility of reconfiguration of the modules in a node based on the analysis of the entire node
 - Possibility of reconfigure the solution based on service priorities