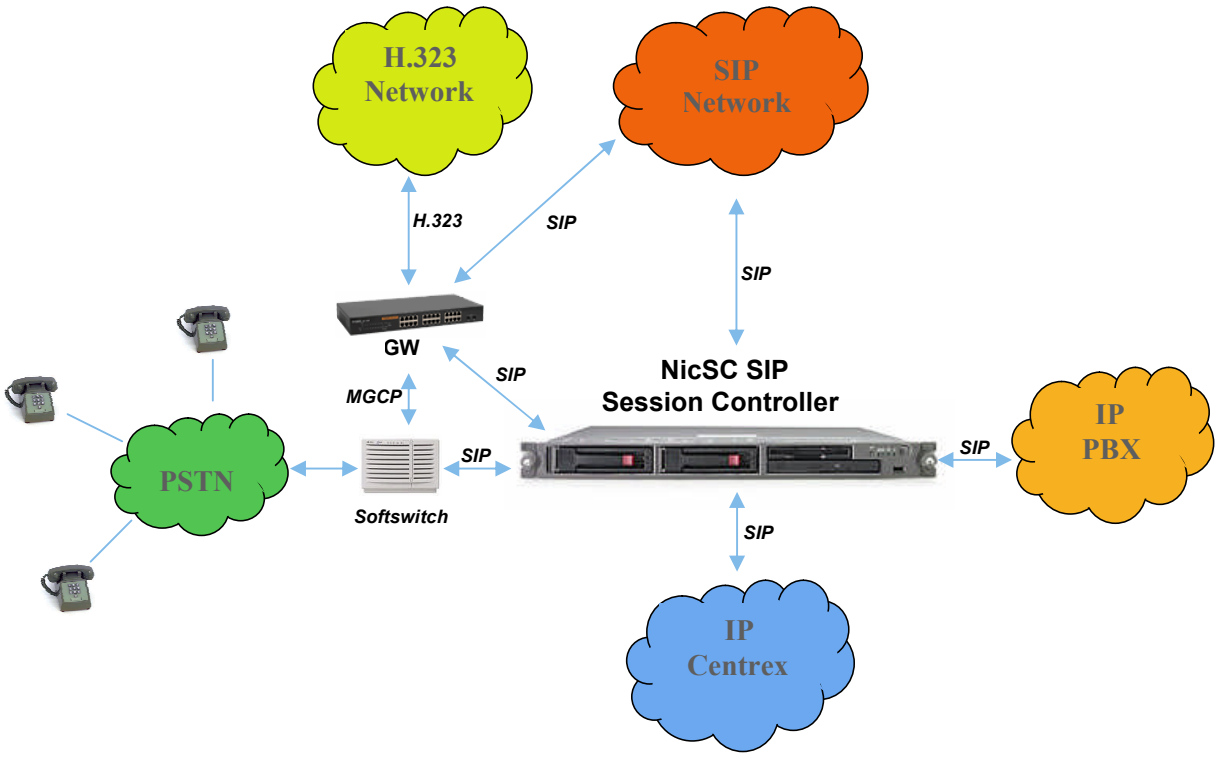
NicSC®
SIP Session Controller

NicSC SIP Session Controller provides a single interface between multiple IP networks for delivery of end-to-end VoIP communications. It enables safe and secure interconnection with customers and peering partners, provides for reliable and cost-effective control of VoIP calls that go through your network.

NicSC is ideal solution for Company in Broadband IP Communication Service or Telecommunication and VoIP Service Providers who needs to control and manage all SIP based call sessions.

Main Features

- Advanced scripting language for call flow generation
- SIP Session Controller – Call Start/Cut-off/Hold/Redirect
- SIP Registrar
- RADIUS and HTTP communication with billing/application servers
- Route Plan definition
- T.38 Fax support
- Full administration from Web interface



Call Control and Flow Generation

- Event driven scripting design
- Several signalling and utility functions
- Same syntax/symantics like known programming languages (C, JavaScript)
- Fast compiler for scripts
- Remote compilation

Availability

- Redundancy
- Routing in the event of failure of softswitch/network
- Service continuity for new call flow without restart

QoS and Admission Control

- Management from Telnet
- Configuration files in plain text format
- Real-time monitoring
- Call statistics monitoring
- SLA reporting on database (CDRs)
- Concurrent call reporting
- Remote Log analysis
- Periodic mail report for time-limited sessions

Security

- NAT traversal
- Access control for specific IP range
- Signaling validation/stateful inspection
- SSL support for HTTP messaging
- MD5-Digest Authentication

Operating Systems

Microsoft Window 2000/2003 Server

Database

All ODBC compliant DBs are supported

AAA Server Connectivity

- Radius authentication/authorization
- Radius accounting
- Radius VSA support
- Secure XML post/retrieve to/from web application running on HTTP server.

Supported Protocols

- 3261 - SIP: Session Initiation Protocol
- 2327 - SDP: Session Description Protocol
- 2976 - The SIP INFO Method
- 3550 - RTP / RTCP
- 2865 - RADIUS
- 2866 - RADIUS Accounting
- 1325 - The MD5 Message-Digest Algorithm
- 2616 - HTTP/1.1
- 0821 - Simple Mail Transfer Protocol

System Logs and Journals

- Call handling trace logs with selectable detail level options
- Billing and debug logs
- Automated log management: archiving, file size and rotation control
- NicSC is written in C++

Capacity

- Up to 5000 simultaneous sessions per system

Contact Us

Please contact us to find out more information about NicSC product.

E-mail : info@creacode.com.tr
Web : http://www.creacode.com.tr

Recommended System Requirements

Capacity	Configuration
500 calls	2 x Intel Xeon 3.0 Ghz / 1 GB RAM / 144 GB SCSI /1 Gb Ethernet
1000 calls	2 x Intel Xeon 3.4 Ghz / 2 GB RAM / 144 GB SCSI /1 Gb Ethernet
2000 calls	4 x Intel Xeon 3.6 Ghz / 2 GB RAM / 144 GB SCSI /1 Gb Ethernet
3000 calls	4 x Intel Xeon 3.6 Ghz / 2 GB RAM / 144 GB SCSI /1 Gb Ethernet
4000 calls	4 x Intel Xeon 3.8 Ghz / 4 GB RAM / 288 GB SCSI /1 Gb Ethernet
5000 calls	4 x Intel Xeon 3.8 Ghz / 4 GB RAM / 288 GB SCSI /1 Gb Ethernet

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