Address Space Management (IPAM)

NOC is an mature open-source IP Address Management (IPAM) solution, organizing the process of IP address space tracking. Distinctive features of NOC's IPAM are:

- Multi-VRF: NOC can handle unlimited number of independent, possible overlapping, address spaces
- IPv4 and IPv6 management
- Classless allocation
- Allocated prefixes are organized in tree-fashion
- Optimized for speed
- Clean web interface
- Different kinds of blocks and IP addresses can be marked with distinctive visual styles
- Hierarchical access delegation. NOC supports up-to-down access delegation, permitting to allocate larger blocks at the upper level, and fully delegate the management of smaller blocks to appropriative business units
- DNS integration
- Quick online pinging of selected prefix, directly showing hosts availability in the hosts list
- Automatically searching of free IP addresses
- Quick view of free addresses in the block
- Free blocks suggestion during block allocation
- VC Management integration
- Service Activation integration
- Support for temporary allocations, offering to reclaim the resources that considered to be freed upon a time
- Reporting tools
- Scripting for enterprise workflow integration

NOC's IPAM is successively used in large ISP networks, datacenters and in high-load online projects.