

Ethernet Out-Of-Band Management Service

As a convenience for entities colocated with NYSERNet at 32 Avenue of the Americas in NYC (The Colo@32), NYSERNet offers a 10Mbps Ethernet network connection service for remote management connections to colocated equipment.

This service, which offers higher bandwidth, native protocols, ease of connection and constant availability is intended as *an addition to* other types of out of band access (such as analog telephone, ISDN), but *not* as a replacement for them. NYSERNet will endeavor to make the management connection continuously available, but does not commit to any service level guarantee.

Features of this service include:

- 10BaseT Ethernet over a single twisted-pair copper patch cable, RJ-45 connector.
- IPv4 address space (/29) and IPv6 address space (/64) with routing to the NYSERNet Research & Education (R&E) Network, Abilene and other NYSERNet R&E peers. (No commercial Internet connectivity is provided.)
- Unrestricted network access (no protocol, address or port filters configured, nor available).

An Ethernet Out-Of-Band Management connection is suitable for applications that require continuous, low bandwidth (SNMP polling, syslog, GUI consoles, RANCID, etc.) and for occasional high-bandwidth use (firmware downloads, OS updates). It is not intended for constant high-bandwidth applications, nor as a replacement for a dedicated special-purpose connection via NYSERNet, Internet2, MAN LAN, etc. Please note that the Ethernet Out-Of-Band Management service will not be reachable over any commercial Internet service; a connection through a research and education network with connectivity to NYSERNet, Internet2 or MAN LAN will be required to access your devices.

Transport for the service will use many of the same facilities that provide other connectivity into the NYSERNet Colo@32, and as a result the service will be subject to scheduled outages during network maintenance. It is also likely that the service would be down during an outage at The Colo@32, and as a result it should not be viewed as a replacement for standard out-of-band access via telephone or ISDN facilities.