Data Center Network Connection

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Participants in the NYSERNet Data Center can elect to purchase a package of connectivity that includes an 10 Mbps burstable commercial Internet connection (on a 10/100/1000 copper Ethernet port), and, if they also participate in the NYSERNet R&E network, an additional port with R&E connectivity. If the participant chooses to use both connections, they must have a BGP-capable router to terminate the connections. In accordance with the NYSERNet R&E network policy, this router can be any current Cisco or Juniper product that has the appropriate interfaces and sufficient capacity to peer with the NYSERNet network. Other options will be considered on a case-by-case basis

If the participant chooses to use only the commercial Internet connection, they have the option of connecting a router, but are not required to. NYSERNet strongly recommends installation of a router; however, the participant may also directly connect a firewall device or NAT, or connect the port directly to a host. NYSERNet will provide address space as required and justified by the participant. Only one IP device can be directly attached to the connection. In particular, the participant cannot attach an Ethernet switch to the connection and use it as a local network.

The service demarcation point for any of these connections is the patch panel installed in the participant's rack. If desired by the participant, NYSERNet will include the IP device (router, firewall, host) in our monitoring system, either with ping or SNMP probes.