

# Router Capability Policy

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Customer premise routers used with the NYSERNet research and education network must provide a stable, supportable connection, while enabling access to the network's advanced features and capabilities.

At present NYSERNet will approve the use of the following routers for R&E connections:

- any current production Cisco router running supported software
- any current production Juniper M or T series router running supported software

Every connection to the network is handled on an individual case basis, and during that process the details of the CPE router hardware and software will be reviewed. It is possible that a particular choice will be found to be inappropriate for the connection in question, in which case NYSERNet will recommend changes. A particular configuration may be approved with caveats, for example a requirement that the customer acknowledge the configuration will not provide for full utilization of the bandwidth available on the connection, or will not support certain advanced features.

At their discretion, customer network engineers may choose to run non-supported software; either outdated or pre-release (beta, EFT, etc.). However, NYSERNet may require that the software be replaced with a supported version as part of troubleshooting and problem diagnosis.

Hardware upgrades and changes are also subject to approval by the NOC Manager, since replacement with inappropriate equipment could cause the same issues as when installing a new connection.