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# NetYCE installation prerequisites

Presented below is a quick overview of the important prerequisites when using NetYCE. Where especially the server section is important if NetYCE is to be used on a shared server.

## Node Communication

- Requires a functional user to connect to all devices (or per group/domain)
- Requires direct connectivity to the node on the IP address provided
- Requires direct connectivity from the node to the NetYCE server to support backups (NCCM) on the desired/supported protocol (tftp, ftp, sftp, scp)

The [connection matrix](#) showing the connectivity requirements.

## Server

When using the NetYCE provided VM the below is taken care of. They are applicable if NetYCE is to be used on a shared server.

- Centos/RHEL 7, x86\_64 arch
- SELinux not supported
- MariaDB supported versions 10.0 - 10.4
- communication ports fully 'owned' by own daemons
  - (tftp, ftp, httpd, scheduler, xch-api, restful-api, backend)
  - some port-numbers can be re-assigned, but most are industry-standard
  - manages httpd, mysql/mariadb, vsftpd configuration files
- ssh server is to support [MySecureShell](#)
- minimal root-privileges
  - process-manager, ssh, httpd, vsftpd run as 'root', all other processes as 'yce'
  - some sudo setup requirements apply
- Require shared 'yce' and 'ycicle' userid's
- not-configurable paths
  - /opt/yce/
  - /opt/yce/lib
  - /var/opt/yce
  - /var/opt/mysql
  - /var/opt/shared

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