

# System Requirements

## Qube! Requirements Checklist

If you are having installation or usage problems, make sure these items are present:

- All computers with OS installed, licensed, and networked.
- Hostname resolution (DNS) working properly on all computers.
- Authentication infrastructure installed and working:
  - NIS / YP / LDAP for Linux
  - OpenDirectory for OS X
  - ActiveDirectory for Windows
- Network filesystem reachable by Client and Worker machines. Alternatively if no authentication infrastructure is in place please ensure open read and write privileges are set.
- All applications (Maya, AfterEffects, etc) already installed on the clients and workers and licensed.
- Python and Perl are installed if using separate jobtypes. You can obtain installers for those languages here: <http://www.python.org> and <http://www.perl.org> See [this page](#) for details.
- All necessary Qube! installers already downloaded and on a filesystem accessible by all machines.
- If a network account is to be used for the proxy user account, this account should already have been created and granted permission to the shared file system.
- Current Qube! Supervisor license issued for the correct MAC address.

## Supervisor Specifications

Below is a recommendation of minimum specifications for optimal operation of Qube! Supervisor.

< 10 workers	10 - 30 workers	30 - 150 workers	150 - 250 workers
<ul style="list-style-type: none"><li>• 4-core</li><li>• 4GB of ram</li><li>• <a href="#">sample qb.conf file</a></li></ul>	<ul style="list-style-type: none"><li>• 8-core</li><li>• 8GB RAM</li><li>• <a href="#">sample qb.conf file</a></li></ul>	<ul style="list-style-type: none"><li>• 12-core</li><li>• 8GB RAM minimum, 12GB recommended</li><li>• <a href="#">sample qb.conf file</a></li></ul>	<ul style="list-style-type: none"><li>• 16-core</li><li>• 12 GB RAM minimum, 16+ GB RAM recommended</li><li>• <a href="#">sample qb.conf file</a></li></ul>



Please note that beyond 30 render nodes you will need to alter qb.conf to optimize performance

File	Modified
>  qb.conf.supervisor.1-25	Aug 16, 2018 by John Burk
>  qb.conf.supervisor.150-300	Aug 16, 2018 by John Burk
>  qb.conf.supervisor.25-75	Aug 16, 2018 by John Burk
>  qb.conf.supervisor.75-150	Aug 16, 2018 by John Burk
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