mScope v3.9 System Requirements

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Server Requirements

	mScope Portal Server	mScope Media Server
Network Requirements		
Accessibility	Accessible by the mScope Media Server and all proposed users including LAN and/or remote users Static IP required	Accessible by the mScope Application Server and all proposed users including LAN and/or remote users Static IP required
Link to Media Repository	N/A	Min. 100 Mbps, 1 Gbps or more better, co-located best
Link to End User	Min. 1 Mbps per concurrent user (more bandwidth is better)	Min. 3 Mbps per concurrent user (more bandwidth is better)
Storage Requirements		
Capacity	N/A	Volume TBD pending image format(s) and purge process implemented (anywhere from 70MB to 4GB per whole slide image)
Hard Drive Speed	N/A	Recommend RAID 5 configuration with 3-5 drives depending on concurrent user load/IOPS
Operating System	See vendor specifications according to chosen platform from Operating System Requirements listed below	See vendor specifications according to chosen platform from Operating System Requirements listed below
mScope Application	1GB	400MB
Database	Depends primarily on mScope audit retention requirements but 10GB should be sufficient	N/A
Processing Requirements	Min. of one 2GHz CPU/core per 20 concurrent users (more and faster cores are better)	Min. of two 2GHz CPU/cores (more and faster cores are better)
RAM Requirements	8GB recommended (more is better)	4GB recommended (more is better)

	mScope Portal Server	mScope Media Server
Operating System Requirements	Windows Server 2008 64-bit Web Edition recommended Windows Server 2003+ (64-bit versions recommended, 32-bit versions supported) Linux CentOS or Redhat Enterprise 5+ (64-bit versions recommended, 32-bit versions supported)	Windows Server 2008 64-bit Web Edition recommended Windows Server 2003+ (64-bit versions recommended, 32-bit versions supported) Linux* CentOS or Redhat Enterprise 5+ (64-bit versions recommended, 32-bit versions supported)
Database Requirements	Preferred installation is co-located MySQL mScope can however be integrated into another existing local or remote database (e.g. Microsoft SQL, ORACLE) as needed (e.g. for database administration/backup considerations)**	N/A
Virtual Machine Supported	Yes	Yes

* Users of the JPEG2000 (.jp2) image format will need to use a Windows OS.

** Additional fees may be required for Microsoft SQL or ORACLE database integration. These must be estimated on a case-by-case basis.

User/Client Requirements

Network Requirements	See *Network Requirements - Link to End User* section above
Operating System Requirements	Windows XP or later, MacOS X (with Java 1.5+)
Browser Requirements	Chrome 3+, IE 7+, Firefox 3.0+, Safari 3+ (others function but are not explicitly tested by Aurora's QC team)
Additional Software Requirements	Java 1.7 (highly recommended) Java 1.6 (supported) None (supported via limited functionality viewer available for users with no access to Java)