

5 Appendix A System Requirements

Server	<ul style="list-style-type: none"> Minimum specifications: Intel Xeon E3-1230 v5 16 GB RAM 100 GB disk (dedicated storage) Disk I/O at 300 IOPS with 4k block size 1 Gbit/sec Ethernet controller 	Implemented resources: Processor: _____ RAM: _____ Disk: _____ IOPS: _____															
Virtual Server	<ul style="list-style-type: none"> Minimum specifications: 4 vCPU with 14 GHz CPU reservation 16 GB RAM reservation 100 GB disk Disk I/O at 300 IOPS with 4k block size 1 Gbit/sec Ethernet controller 	Implemented resources: vCPU: _____ RAM: _____ Disk: _____ IOPS: _____															
NOTE: The system page file should be configured as "System Managed". Otherwise, unintended processing failures could be encountered due to the large memory requirements when processing certain CT series.																	
NOTE: The Intel Xeon E3-1230 v5 has a benchmark of 9700 (www.cpubenchmark.net) and the server listed above can achieve a 5 minute processing time per series.																	
NOTE: Riverain-provided hardware will require one network and one power supply connection																	
Operating System	Windows 7 Professional/Enterprise/Ultimate 64-bit Windows 8.1 Professional/Enterprise 64-bit Windows 10 Professional/Enterprise 64-bit Windows 2008 R2 Server 64-bit Windows 2012 R2 Server 64-bit Windows 2016 Server 64-bit	Implemented Operating System:															
Windows is a registered trademark of Microsoft Corporation in the United States and other countries.																	
Web Browser	Microsoft Internet Explorer 10 or better, with cookies and Javascript enabled																
Required Ports	<table border="1"> <thead> <tr> <th>Default</th><th>Configured</th><th>Purpose</th></tr> </thead> <tbody> <tr> <td>104</td><td></td><td>Required/configurable, DICOM listening port</td></tr> <tr> <td>7104</td><td>n/a</td><td>Required, for distributed processing - not configurable</td></tr> <tr> <td>8104</td><td></td><td>Required internally/configurable, optional for external access to admin console</td></tr> <tr> <td>9104</td><td></td><td>Optional/configurable for viewer</td></tr> </tbody> </table>		Default	Configured	Purpose	104		Required/configurable, DICOM listening port	7104	n/a	Required, for distributed processing - not configurable	8104		Required internally/configurable, optional for external access to admin console	9104		Optional/configurable for viewer
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Supported Virtualization Environments	VMWare® 5 or later																
Software Protection Key	The HASP-HL key requires: <ul style="list-style-type: none"> One USB Type A port available Power consumption 50mA operating / <0.5mA standby 																
AV/Anti-Malware Software	Riverain does not have a preference for AV or Anti-Malware software. The installation directory (typically C:\Program Files\Riverain) and C:\ProgramData\Firebird must be excluded from any AV or Anti-Malware scans																
Third Party Software	Riverain strongly recommends against installing ClearRead CT on a multi-use instance of a VM or having multiple roles for a physical server by adding additional third party software																