



# AGILITY<sup>2G</sup> 1.6

## System Configuration Guide

This document specifies the hardware and system software that are used to test Agility for application conformance and for performance measurement. The information is published so that configurations are supportable and performance is predictable.

While it is understood that there are reasons for installing Agility on alternate hardware and software configurations, we cannot predict the performance or behavior of these systems.

## Agility Tested System Hardware

	<b>ECS Node</b>	<b>LCS Node</b>	<b>Capture Node</b>	<b>Workgroup (Single Node)</b>
<b>Minimum CPU</b>	Dual Core Dual Processor	Dual Core Dual Processor	Dual Core Dual Processor	Dual Core Dual Processor
<b>Clock Rate</b>	2.66+GHz	2.66+GHz	2.66+GHz	2.66+GHz
<b>Rec FSB Speed</b>	1333 MHz	1333 MHz	1333 MHz	1333 MHz
<b>Min FSB Speed</b>	667 MHz	667 MHz	1333 MHz	667 MHz
<b>Model #</b>	Xeon® 5150; 1333 MHz FSB Xeon 5050; 667 MHz FSB	Xeon 5150; 1333 MHz FSB Xeon 5050; 667 MHz FSB	Xeon 5160; 1333 MHz FSB	Xeon 5150; 1333 MHz FSB Xeon 5050; 667 MHz FSB
<b>Qualified CPU<sup>1</sup></b>	Dual/Quad Core Xeon X5XXX Processor 2x4MB Cache, 2.66GHz, 1333MHz FSB,	Dual/Quad Core Xeon X5XXX Processor 2x4MB Cache, 2.66GHz, 1333MHz FSB,	Dual/Quad Core Xeon X5XXX Processor 2x4MB Cache, 2.66GHz, 1333MHz FSB,	Dual Core Dual Processor 2.66+GHz, 1333 MHz, 667 MHz Xeon 5150; 1333 MHz FSB Xeon 5050; 667 MHz FSB
<b>Tested Systems</b>	<b>Power Edge R710</b> 2X six Core Xeon 5650, 2.66GHz 2X quad core Xeon 5530, 2.4 GHz Processor 2x6MB L2 Cache,  <b>Dell 2950</b> 2x quad core Xeon 5150, 2.66 GHz 2x quad core Xeon 5355, 2.66 GHz	<b>Power Edge R710</b> 2X six Core Xeon 5650, 2.66GHz 2X quad core Xeon 5530, 2.4 GHz Processor 2x6MB L2 Cache,  <b>Dell 2950</b> 2x quad core Xeon 5150, 2.66 GHz 2x quad core Xeon 5355, 2.66 GHz	<b>Dell R710</b> 2x quad core Xeon E5530 @2.4 GHz	<b>Power Edge R710</b> 2X six Core Xeon 5650, 2.66GHz 2X quad core Xeon 5530, 2.4 GHz Processor 2x6MB L2 Cache,  <b>Dell 2950</b> 2x quad core Xeon 5150, 2.66 GHz 2x quad core Xeon 5355, 2.66 GHz
<b>Memory</b>	≥2GB	≥2GB	≥4GB	≥2GB
<b>Storage<sup>2</sup></b>				
<b>Technology</b>	SCSI or SAS	SCSI or SAS	SCSI or SAS	SCSI or SAS
<b>System Drive</b>	36 GB (RAID 1)	36 GB (RAID 1)	36 GB (RAID 1)	36 GB (RAID 1)
<b>Data Drive</b>	Not required	3 x 100+ RAID 0	3 x 100+ RAID 0	3 x 100+ RAID 0
<b>Min Sustained Writes</b>		> 80 MB/sec	> 80 MB/sec (Live video capture to a SAN is not supported.)	> 80 MB/sec
<b>Bus Slots</b>	PCI x PCIe	PCI x PCIe	PCI x PCIe (64-bit PCI req for HD capture)	PCI x PCIe (64-bit PCI req for HD capture)
<b>Network (enterprise systems)</b>	1000 Mbps Ethernet minimum	1000 Mbps Ethernet minimum	1000 Mbps Ethernet minimum	1000 Mbps Ethernet minimum
<b>USB Ports (min)<sup>3</sup></b>	1	2	2	2
<b>SD Capture Cards</b>	NA	NA	AJA® Xena® LS, LSe, LH, LHe, 2K AJA® Kona® LS, LSe, LH, LHe, 2K Viewcast® Osprey™ 230 <sup>4</sup> Viewcast Osprey 530 <sup>4</sup>	AJA® Xena® LS, LSe, LH, LHe, 2K AJA® Kona® LS, LSe, LH, LHe, 2K Viewcast® Osprey™ 230 <sup>4</sup> Viewcast Osprey 530 <sup>4</sup>
<b>HD Capture Card</b>	NA	NA	AJA Xena LH, LHe (64-bit PCI) AJA Xena 2K AJA Kona LH, LHe (64-bit PCI)	AJA Xena LH, LHe (64-bit PCI) AJA Xena 2K AJA Kona LH, LHe (64-bit PCI)

<sup>1</sup> A maximum of two physical processors is supported.

<sup>2</sup> Separate system and data drives are required. Agility recommends 2x18+ RAID 1 system drive.

<sup>3</sup> Cinema Craft (VOD) and Forensic Watermarking features require additional dongles.

<sup>4</sup> Viewcast Osprey cards are not supported on Windows Server 2008.

			AJA Kona 2K 230 MB/s data rate required.	AJA Kona 2K 230 MB/s data rate required.
--	--	--	---	---

## Agility System Software

	ECS Node	LCS Node	Capture Node	Workgroup (Single Node)
<b>Operating System</b>	Windows Server 2008 Standard R2, EN-US - (64-bit version) <sup>5</sup>			Windows XP SP3
<b>MS .Net Framework</b>	V 3.51 SP1			
<b>IIS</b>	Server 2008: V 7.0 – Requires v6.0 compatibility pack	NA	NA	V 6.0 - Requires ASP.NET 2.0
<b>MS ASP .NET</b>	2.0	NA	NA	2.0
<b>SQL Server 2008</b>	SP1 Std; 64-bit (svr 2008) R2 Std, 64-bit (sv 2008)	NA	NA	Express; 32-bit; Service Pack 3
<b>Browser</b>	Internet Explorer® V8,9 Firefox® V3.6 4	NA	NA	Internet Explorer V8,9 Firefox V3.6, 4
<b>QuickTime</b>	NA	Ver 7.6.9	Ver 7.6.9	Ver 7.6.9
<b>AJA Drivers</b>	NA	NA	32-bit OS: Version 6.5.0 64-bit OS: Version 4.2.0 - Use drivers provided by Telestream	32-bit OS: Version 6.5.0 - Use drivers provided by Telestream
<b>Osprey Drivers</b>	NA	NA	Version 2.2.2 for Osprey Viewcast 230 and 530: Use drivers provided by Agility	Version 2.2.2 for Osprey Viewcast 230 and 530: Use drivers provided by Agility
<b>Active Directory Server</b>	Must be a member of a Windows Domain > than 3 nodes ADS server must NOT reside on Agility Server.			
<b>ECS Failover Configuration</b>	Microsoft Cluster Windows Server 2008 R2, Enterprise Edition Microsoft SQL Server 2008 Standard Edition			

### Settings and 3<sup>rd</sup> party software for all Agility Systems:

- All critical and recommended patches and hardware drivers from the [Microsoft Update](#) website
- Microsoft Windows Regional Settings and Keyboard Layout set to English (US)
- Data Execution Prevention for essential Windows Programs and Services only
- SQL Server 2008 must be configured for Mixed Authentication
- Dedicated Agility Domain User (with local Administrator rights on all Agility servers) for systems larger than three nodes

<sup>5</sup> WiBu dongles are required for Server 2008.