

## TREND MICRO SOFTWARE APPLIANCE SUPPORT

### What Trend Micro solutions support Software Appliance deployments?

The following solutions support the software appliance form factor, and the subsequent hardware platforms.

Reference	Product
IWSVA	InterScan Web Security Virtual Appliance
IMSVa	InterScan Messaging Security Virtual Appliance
ARM	Advanced Reporting and Management (for InterScan Web Security)

### Bare Metal Server Platform Matrix

Platform	Trend Micro Solution					
	IWSVA	IWSVA	IWSVA	IMSVa	IMSVa	ARM
Version	v5.x	v3.1 SP2	V3.1	V8.x	v7.x	v1.x
Build	1326	1174	1080	1304	1170	1387
<b>Dell</b>						
R900	✓	✓		✓		✓
R710	✓	✓		✓	✓	✓
R610	✓	✓		✓	✓	✓
R410	✓	✓		✓	✓	✓
R300					✓	
R200	✓	✓		✓		✓
2950 Series II/III	✓	✓	✓	✓	✓	✓
1950 Series II/III	✓	✓	✓	✓	✓	✓
1850 Series II					✓	
<b>Hitachi</b>						
BladeSymphony 1000	✓	✓	✓	✓	✓	
<b>HP</b>						
BL 460 C Generation 1	✓	✓	✓	✓	✓	✓
DL 360 G7	✓			✓		✓
DL 360 G6	✓			✓		✓
DL 380 G7	✓			✓		✓
DL 380 G6	✓	✓	✓	✓		✓
DL 380 G5					✓	
DL 385 G6	✓	✓	✓	✓		✓
DL 385 G2	✓	✓	✓	✓	✓	✓
DL 350 G5	✓	✓	✓	✓	✓	✓

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Version	v5.x	v3.1 SP2	V3.1	V8.x	v7.x	v1.x
Build	1326	1174	1080	1304	1170	1387
<b>IBM</b>						
Systems x3550	✓	✓	✓	✓	✓	✓
<b>NEC</b>						
Express5800 R120a-1	✓	✓		✓	✓	✓
Express5800 R120RH-1	✓	✓	✓	✓	✓	✓
<b>Resilience</b>						
ATL 1012	✓	✓	✓	✓		
<b>Sun</b>						
Sunfire X4450	✓	✓	✓	✓	✓	✓
<b>SuperMicro</b>						
Superserver 1026T	✓			✓		✓
Superserver 5016T	✓			✓		✓

### Bare Metal Server Specifications

	CPU	Memory	Hard Drive	HD Controller	NIC
<b>Dell PowerEdge</b>					
R900	2 x Intel X7460 Xeon, Six Cores, 2.67GHz, 16MB Cache, 1066Mhz FSB	32GB Memory, 16X2GB, 667MHz	300GB 15K RPM Serial-Attach SCSI 3Gbps 3.5-in HotPlug Hard Drive		
R710	2 x Intel Quad Core E5570 Xeon CPU, 2.93GHz	24GB Memory (6x4GB), 1333MHz, Dual Ranked U 1 DIMMs for 2 Processors	4*300GB SAS 10000 RPM	PERC 6/i, Integrated Controller Card	Integrated 2 x Two Broadcom 5709C dual-port Giga-bit Ethernet with TOE enabled
R710	2 x Intel(R) 6-Core X5670 Xeon(R) CPU, 2.93Ghz	24GB Memory, 1333Mhz Dual Ranked RDIMM for 2 Processors	2*250GB SATA 7.2k 3.5"	PERC 6/i, Integrated Controller Card	Integrated 2 x Two Broadcom 5709C dual-port Giga-bit Ethernet with TOE enabled
R610	2 x Intel Quad Core E5506 Xeon CPU, (2.13GHz)	8GB Memory (4x2GB), 1333MHz, Dual Ranked U 1 DIMMs for 2 Processors	2*160GB SAS 7200 RPM	PERC 6/i, Integrated Controller Card	Integrated 2 x Two Broadcom 5709C dual-port Giga-bit Ethernet with TOE enabled
R410	Intel Quad Core E5504 Xeon CPU, (2.0GHz)	4GB Memory (4x1GB), 1333MHz, Single Ranked U 1 DIMMs for 1 Processor	2*160GB SATA 7200 RPM	SAS 6/iR Controller Card	Integrated Broadcom 5716 dual-port Giga-bit Ethernet with TOE enabled
R300	Intel Quad Core Xeon Pro L5410 CPU (2.33GHz)	4GB Memory (2x2GB) DDR-2 667MHz ECC 2R	Western Digital 500GB SAS	PERC 6/i, Integrated Controller Card	Integrated 2 * Two Broadcom 5722 dual-port Giga-bit Ethernet



**Bare Metal Server Specifications**

	<b>CPU</b>	<b>Memory</b>	<b>Hard Drive</b>	<b>HD Controller</b>	<b>NIC</b>
<b>Dell PowerEdge</b>					
R200	Intel Quad Core Xeon X3360, 2.83GHz, 2x6MB Cache, 1333MHz FSB	4 GB	2*250GB 7.2K RPM SATA 3Gbps 3.5in Cabled	SATA/SAS Controller	Dual GB
2950 Series II/III	Intel Quad Core Xeon X5355 (2.66GHz) OR/ Intel Quad Core Xeon X5460 (3.16GHz)	8 GB	300GB 10K RPM Serial-Attach SCSI 3Gbps 3.5-in HotPlug HardDrive (341-3032) OR/ 200GB 15K RPM SAS Dell Perc 6/I SAS Controller		
1950 Series II/III	Intel Dual Core Xeon 5160 (3.00GHz) OR/ Intel Quad Core Xeon E5410 (2.33GHz)	8 GB	500GB 7.2K RPM Universal SATA 3Gbps 3.5-in HotPlug Hard Drive (341-4157)		
1850 Series II	Intel Dual Xeon (3.0GHz)	2 GB	146GB 10K RPM SCSI U320		
	<b>CPU</b>	<b>Memory</b>	<b>Hard Drive</b>	<b>HD Controller</b>	<b>NIC</b>
<b>Hitachi</b>					
BladeSymphony 1000	Intel Xeon E5430 2.66GHz, 4 core, 2 socket - LPAR (Virtage) allocated CPU : vCPU = 2core, occupied)	16GB RAM - LPAR (Virtage) allocated memory size : vMemory = 8192MB - HDD: SAN Storage	Hitachi AMS2300 130GB (RAID1) - HBA Driver : Integrated FC switch module (driver version - 4.5.12.736)		1Gbps (100/1000)
	<b>CPU</b>	<b>Memory</b>	<b>Hard Drive</b>	<b>HD Controller</b>	<b>NIC</b>
<b>HP Proliant</b>					
DL 360 G7	Intel Xeon X5650	24GB	8 x HP 300GB 6G 10K RPM SFF SAS (2.5")	HP Smart Array P410i controller	HP NC382i Dual Port Multifunction Gigabit Adapter
DL 360 G6	Intel Xeon E5540 / X5560 2.53 GHz / 2.8 GHz	6GB /12GB	HP 146GB 3G SAS 10K SFF DP ENT HDD	HP Smart Array P410i/256MB Controller	HP NC382i Dual Port Multifunction Gigabit Adapter
DL 380 G7	Intel Xeon X5650 2.55 Ghz	10GB	HP 146GB SAS 10K Dual Port HDD	HP Smart Array P410i/1G FBWC	HP NC382i Dual Port Multifunction Gigabit Adapter
DL 380 G6	Intel Quad Core Xeon E5540 2.53 GHz	8GB	HP 146GB SAS 15K RPM (2.5)	HP Smart Array P410i	HP NC382i Dual Port Multifunction Gigabit Adapter
DL 380 G5	Intel Quad Core Xeon E5420 (2.50 GHz)	4GB	2 x HP 146GB SFF SAS 10K RPM (2.5")		
DL 380 G5	Intel Dual Quad Core XEON E5345 2.33Ghz	4GB	HP 300GB DG300FARVV (2x RAID1) SAS RAID	HP Smart Array P400/512	1Gpbs HP (Broadcom) NetXtreme II BCM5708
DL 385 G2	AMD Dual Core Opteron 2220	2GB	2 x HP 146GB SFF SAS 10K RPM (2.5")		
DL 385 G6	AMD Opteron Six Core 2.4GHz	8GB	HP 72GB 6G SAS 15K RPM (2.5)	HP Smart Array P410	HP NC382i Dual Port Multifunction Gigabit Adapter



## Bare Metal Server Specifications

HP Proliant					
BL 460 C Generation 1	Intel Xeon Quad E 5440 2.83 GHz Intel Xeon Dual core 2.66 GHz	4GB	HP 2 x 72GB	HP SmartArray E200i	10/100/1000 Mbps Broadcom NetXtreme II BCM 5708 S
IBM					
Systems x3550	Systems x3550	Systems x3550	Systems x3550	Systems x3550	Systems x3550
NEC					
Express5800 R120a-1	Intel Xeon 5550 2.66GHz 4 core processor	16 GB DDR3 DIMM		SATA/SAS Controller	2x 1000BASE-T + 1x 100BASE-TX (Management Port)
Express5800 R120RH-1	Intel Xeon processor E5420 (2.50GHz/1333MHz FSB/2 x 6M L2 Cache)	48 GB (12 x 4GB) Maximum	3.5" SAS: 1.35TB (3 x 450GB) / 3.5" SATA: 3TB (3 x 1TB) / 2.5" SAS: 879GB (6 x 146.5GB) Maximum		
	<b>CPU</b>	<b>Memory</b>	<b>Hard Drive</b>	<b>HD Controller</b>	<b>NIC</b>
Resilience					
ATL 1012	Intel Core 2 DUO E8400 3GHz	4GB	Western Digital 250GB SATA WD2500	Intel PXE 2.1 v1.3	10/100/1000 Mbps Intel
	<b>CPU</b>	<b>Memory</b>	<b>Hard Drive</b>	<b>HD Controller</b>	<b>NIC</b>
Sun					
Sunfire X4450	4 Quad Core Intel Xeon L7345, 1.86 GHz, 1066MHz FSB	8 GB (8 x 1GB DIMMs) Fully Buffered ECC	1168 GB (8 x 146 GB) 10K RPM SAS Disks		
	<b>CPU</b>	<b>Memory</b>	<b>Hard Drive</b>	<b>HD Controller</b>	<b>NIC</b>
SuperMicro					
Superserver 1026T	2 Intel Nehalem E5520 2.26GHz	8 GB	2 x 500 GB	8-port PCI-E SAS	Intel Dual Port
Superserver 5016T	1 Intel Nehalem E5520 2.26GHz	4 GB	1 x 500 GB	SATA 3Gbps	Intel Dual Port

## Specialty Server Platform Matrix

Platform	Trend Micro Solution					
	IWSVA	IWSVA	IWSVA	IMSVA	IMSVA	ARM
Version	v5.x	v3.1 SP2	V3.1	V8.x	v7.x	v1.x
Build	1326	1174	1080	1304	1170	1387
NEC						
Express5800 R320a-M4 (VMware Model with vSphere 4)	✓			✓	✓	✓
Express5800 R320a-E4 (VMware Model with vSphere 4)	✓			✓	✓	✓

**Specialty Server Specifications**

NEC					
R320a-M4 (VMware Model with vSphere 4)	2 x Intel Xeon X5570 2.93GHz 4 core processor	16G DDR3-1066 DIMM with ECC	3.5" SAS (4 x 73GB)		2x 100BASE-T + 1x 100BASE-TX (Management Port)
R320a-E4 (VMware Model with vSphere 4)	2 x Intel Xeon E5504 2.0GHz 4 core processor	12G DDR3-1066 DIMM with ECC	3.5" SAS (2 x 73GB)		2x 100BASE-T + 1x 100BASE-TX (Management Port)

**Encryption Acceleration Card Matrix**

Product	Hardware Acceleration Card Model
IWSVA v5.x	Silicom PESC61 (PCI-E)
IWSVA v5.x	Silicom PESC62 (PCI-E)
IWSVA v5.x	Silicom PESC51 (PCI-X)
IWSVA v5.x	Silicom PXSC10 (PCI-X)

**Failover Network Card Matrix**

Product	Failover NIC Card Model
IWSVA v5.x	Silicom PXG2BPFIL-SD (Dual Port Fiber (SX) Gigabit PCI-X)
IWSVA v5.x	Silicom PXG2BPI-SD (Dual Port Copper Gigabit PCI-X)
IWSVA v5.x	Silicom PEG2BPFID (Dual Port Fiber (SX) Gigabit PCI-Express)
IWSVA v5.x	Silicom PEG2BPI (Dual Port Copper Gigabit Ethernet PCI Express)