

9.0 Deep Security

SP1 Supported Linux Kernels

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Red Hat Kernels

The following tables list the Trend Micro Deep Security Agent 9.0 SP1 Patch1 supported Red Hat kernels.

Terms

- **UNI**
 - Uniprocessor support for x86 and Athlon systems (can be run on a multi-processor system, but only one processor is utilized)
 - Multi-processor support for all other architectures
 - For x86 systems, only the first 4 GB of RAM is used; use the kernel-hugemem package for x86 systems with over 4 GB of RAM
- **SMP**
 - Multi-processor support
 - Support for more than 4 GB of RAM (up to 32 GB for x86)
- **Hugemem/PAE**
 - Support for more than 4 GB of RAM (up to 64 GB for x86)
 - PAE (Physical Address Extension) or 3 level paging on x86 processors that support PAE
 - Support for multiple processors
 - 4 GB/4 GB split — 4 GB of virtual address space for the kernel and almost 4 GB for each user process on x86 systems
- **XEN**
 - XEN-optimized version of the Linux kernel.

Key

- **Y:** Supported
- **N:** Not supported

Red Hat 5

Version	32/64	Uni	XEN	PAE
2.6.18-8.el5	32	Y	Y	Y
2.6.18-53.el5	32	Y	Y	Y
2.6.18-92.el5	32	Y	Y	Y
2.6.18-128.el5	32	Y	Y	Y
2.6.18-164.el5	32	Y	Y	Y
2.6.18-194.el5	32	Y	Y	Y

Version	32/64	Uni	XEN	PAE
2.6.18-238.el5	32	Y	Y	Y
2.6.18-274.el5	32	Y	Y	Y
2.6.18-308.el5	32	Y	Y	Y
2.6.18-348.el5	32	Y	Y	Y

Version	32/64	Uni	XEN
2.6.18-8.el5	64	Y	Y
2.6.18-53.el5	64	Y	Y
2.6.18-92.el5	64	Y	Y
2.6.18-128.el5	64	Y	Y
2.6.18-164.el5	64	Y	Y
2.6.18-194.el5	64	Y	Y
2.6.18-238.el5	64	Y	Y
2.6.18-274.el5	64	Y	Y
2.6.18-308.el5	64	Y	Y
2.6.18-348.el5	64	Y	Y

Red Hat 6

Version	32/64	Uni
kernel-2.6.32-71.el6	32	Y
kernel-2.6.32-220.el6	32	Y
kernel-2.6.32-279.el6	32	Y
kernel-2.6.32-358.el6	32	Y

Version	32/64	Uni
kernel-2.6.32-71.el6	64	Y
kernel-2.6.32-220.el6	64	Y
kernel-2.6.32-279.el6	64	Y
kernel-2.6.32-358.el6	64	Y

CentOS Kernels

The following tables list the Trend Micro Deep Security Agent 9.0 SP1 Patch1 supported CentOS kernels.

Terms

- **UNI**
 - Uniprocessor support for x86 and Athlon systems (can be run on a multi-processor system, but only one processor is utilized)
 - Multi-processor support for all other architectures
 - For x86 systems, only the first 4 GB of RAM is used; use the kernel-hugemem package for x86 systems with over 4 GB of RAM
- **SMP**
 - Multi-processor support
 - Support for more than 4 GB of RAM (up to 32 GB for x86)
- **Hugemem/PAE**
 - Support for more than 4 GB of RAM (up to 64 GB for x86)
 - PAE (Physical Address Extension) or 3 level paging on x86 processors that support PAE
 - Support for multiple processors
 - 4 GB/4 GB split — 4 GB of virtual address space for the kernel and almost 4 GB for each user process on x86 systems
- **XEN**
 - XEN-optimized version of the Linux kernel

Key

- **Y:**Supported
- **N:** Not supported

CentOS 5

Version	32/64	Uni	XEN	PAE
2.6.18-8.el5	32	Y	Y	Y
2.6.18-53.el5	32	Y	Y	Y
2.6.18-92.el5	32	Y	Y	Y
2.6.18-128.el5	32	Y	Y	Y
2.6.18-164.el5	32	Y	Y	Y
2.6.18-194.el5	32	Y	Y	Y

Version	32/64	Uni	XEN	PAE
2.6.18-238.el5	32	Y	Y	Y
2.6.18-274.el5	32	Y	Y	Y
2.6.18-308.el5	32	Y	Y	Y
2.6.18-348.6.1.el5	32	Y	Y	Y
2.6.18-358.el5	32	Y	Y	Y

Version	32/64	Uni	XEN
2.6.18-8.el5	64	Y	Y
2.6.18-53.el5	64	Y	Y
2.6.18-92.el5	64	Y	Y
2.6.18-128.el5	64	Y	Y
2.6.18-164.el5	64	Y	Y
2.6.18-194.el5	64	Y	Y
2.6.18-238.el5	64	Y	Y
2.6.18-274.el5	64	Y	Y
2.6.18-308.el5	64	Y	Y
2.6.18-348.6.1.el5	64	Y	Y
2.6.18-358.el5	64	Y	Y

CentOS 6

Version	32/64	Uni
2.6.32-71.el6	32	Y
2.6.32-220.el6	32	Y
2.6.32-279.el6	32	Y
2.6.32-358.el6	32	Y

Version	32/64	Uni
2.6.32-71.el6	64	Y
2.6.32-220.el6	64	Y
2.6.32-279.el6	64	Y
2.6.32-358.el6	64	Y

Oracle Linux Kernels

The following tables list the Trend Micro Deep Security Agent 9.0 SP1 Patch1 supported Oracle Linux kernels (Redhat Compatible kernel)

Terms

- **Uni**
 - Uniprocessor support for x86 and Athlon systems (can be run on a multi-processor system, but only one processor is utilized)
 - Multi-processor support for all other architectures
 - For x86 systems, only the first 4 GB of RAM is used; use the kernel-hugemem package for x86 systems with over 4 GB of RAM
- **SMP**
 - Multi-processor support
 - Support for more than 4 GB of RAM (up to 32 GB for x86)
- **Hugemem/PAE**
 - Support for more than 4 GB of RAM (up to 64 GB for x86)
 - PAE (Physical Address Extension) or 3 level paging on x86 processors that support PAE
 - Support for multiple processors
 - 4 GB/4 GB split — 4 GB of virtual address space for the kernel and almost 4 GB for each user process on x86 systems
- **XEN**
 - XEN-optimized version of the Linux kernel

Key

- **Y:**Supported
- **N:** Not supported

Oracle Linux 5

Version	32/64	Uni
2.6.18-8.el5	32	N
2.6.18-53.el5	32	N
2.6.18-92.el5	32	Y
2.6.18-128.el5	32	Y
2.6.18-164.el5	32	Y

Version	32/64	Uni
2.6.18-194.el5	32	Y
2.6.18-238.el5	32	Y
2.6.18-274.el5	32	Y
2.6.18-308.el5	32	Y
2.6.18-348.el5	32	Y

Version	32/64	Uni
2.6.18-8.el5	64	N
2.6.18-53.el5	64	N
2.6.18-92.el5	64	Y
2.6.18-128.el5	64	Y
2.6.18-164.el5	64	Y
2.6.18-194.el5	64	Y
2.6.18-238.el5	64	Y
2.6.18-274.el5	64	Y
2.6.18-308.el5	64	Y
2.6.18-348.el5	64	Y

Oracle Linux 6

Version	32/64	Uni
2.6.32-71.el6	32	Y
2.6.32-220.el6	32	Y
2.6.32-279.el6	32	Y
2.6.32-358.el6	32	Y

Version	32/64	Uni
2.6.32-71.el6	64	Y
2.6.32-220.el6	64	Y
2.6.32-279.el6	64	Y
2.6.32-358.el6	64	Y

Amazon Linux Kernels

The following tables list the Trend Micro Deep Security Agent 9.0 SP1 Patch1 supported Amazon Linux kernels.

Terms

- **AMI:** Amazon Machine Image. An Operating System platform instance containing the necessary information for certain tasks.

Key

- **Y:** Supported
- **N:** Not supported

Amazon Linux (AMI Linux 6)

Version	32/64	Result
3.2.30-49.59.amzn1.i686	32	Y
3.2.36-1.46.amzn1.i686	32	Y
3.2.37-2.47.amzn1.i686	32	Y
3.2.38-5.48.amzn1.i686	32	Y
3.2.39-6.88.amzn1.i686	32	Y
3.4.37-40.44.amzn1.i686	32	Y
3.4.43-43.43.amzn1.i686	32	Y
3.4.48-45.46.amzn1.i686	32	Y

Version	32/64	Result
3.2.30-49.59.amzn1.x86_64	64	Y
3.2.36-1.46.amzn1.x86_64	64	Y
3.2.37-2.47.amzn1.x86_64	64	Y
3.2.38-5.48.amzn1.x86_64	64	Y
3.2.39-6.88.amzn1.x86_64	64	Y
3.4.37-40.44.amzn1.x86_64	64	Y
3.4.43-43.43.amzn1.x86_64	32	Y

Version	32/64	Result
3.4.48-45.46.amzn1.x86_64	32	Y

Amazon Linux (Red Hat 6 Derivative)

Version	32/64	Result
2.6.32-358.6.1.el6	32	Y

Version	32/64	Result
2.6.32-358.6.1.el6	64	Y

Amazon Linux (SuSE 11 Derivative)

Version	32/64	Result
3.0.13-0.27-ec2	32	Y

Version	32/64	Result
3.0.13-0.27-ec2	64	Y
3.0.58-0.6.6-2	64	Y
3.0.80-0.7-ec2	64	Y

Amazon Linux (Ubuntu 12 Derivative)

Version	32/64	Result
3.2.0-34-virtual	64	Y
3.2.0-41-virtual	64	Y
3.2.0-52-virtual	64	Y

SuSE Kernels

The following tables list the Trend Micro Deep Security Agent 9.0 SP1 Patch1 supported SuSE kernels.

Terms

- **UNI**
 - Uniprocessor support for x86 and Athlon systems (can be run on a multi-processor system, but only one processor is utilized)
 - Multi-processor support for all other architectures
 - For x86 systems, only the first 4 GB of RAM is used; use the kernel-hugemem package for x86 systems with over 4 GB of RAM
- **SMP**
 - Multi-processor support
 - Support for more than 4 GB of RAM (up to 32 GB for x86)
- **Hugemem/PAE**
 - Support for more than 4 GB of RAM (up to 64 GB for x86)
 - PAE (Physical Address Extension) or 3 level paging on x86 processors that support PAE
 - Support for multiple processors
 - 4 GB/4 GB split — 4 GB of virtual address space for the kernel and almost 4 GB for each user process on x86 systems
- **BIGSMP**
 - Enabling support for 64 GB memory and 128 processors

Key

- **Y:** Supported
- **N:** Not supported

SuSE 10 SP3

Version	32/64	Uni	SMP	BIGSMP
2.6.16.60-0.54.5	32	N	N	N
2.6.16.60-0.57.1	32	N	N	N
2.6.16.60-0.58.1	32	N	N	N
2.6.16.60-0.59.1	32	N	N	N
2.6.16.60-0.60.1	32	N	N	N
2.6.16.60-0.62.1	32	N	N	N

Version	32/64	Uni	SMP	BIGSMP
2.6.16.60-0.66.1	32	N	N	N
2.6.16.60-0.67.1	32	Y	Y	Y
2.6.16.60-0.68.1	32	Y	Y	Y
2.6.16.60-0.69.1	32	Y	Y	Y
2.6.16.60-0.74.7	32	N	N	N
2.6.16.60-0.76.8	32	Y	Y	Y
2.6.16.60-0.77.1	32	Y	Y	Y
2.6.16.60-0.79.1	32	Y	Y	Y
2.6.16.60-0.81.2	32	Y	Y	N
2.6.16.60-0.83.2	32	Y	Y	Y

Version	32/64	Uni	SMP
2.6.16.60-0.54.5	64	Y	Y
2.6.16.60-0.57.1	64	Y	Y
2.6.16.60-0.58.1	64	Y	Y
2.6.16.60-0.59.1	64	Y	Y
2.6.16.60-0.60.1	64	Y	Y
2.6.16.60-0.62.1	64	Y	Y
2.6.16.60-0.66.1	64	Y	Y
2.6.16.60-0.67.1	64	Y	Y
2.6.16.60-0.68.1	64	Y	Y
2.6.16.60-0.69.1	64	Y	Y
2.6.16.60-0.74.7	64	Y	Y
2.6.16.60-0.76.8	64	Y	Y
2.6.16.60-0.77.1	64	Y	Y
2.6.16.60-0.79.1	64	N	N
2.6.16.60-0.81.2	64	Y	Y
2.6.16.60-0.83.2	64	Y	Y

SuSE 10 SP4

Version	32/64	Uni	SMP	BIGSMP
2.6.16.60-0.85.1	32	Y	Y	Y

Version	32/64	Uni	SMP	BIGSMP
2.6.16.60-0.87.1	32	Y	Y	Y
2.6.16.60-0.89.1	32	Y	Y	Y
2.6.16.60-0.91.1	32	Y	Y	Y
2.6.16.60-0.93.1	32	Y	Y	Y
2.6.16.60-0.97.1	32	Y	N	Y
2.6.16.60-0.99.1	32	Y	Y	Y
2.6.16.60-0.101.1	32	Y	Y	Y
2.6.16.60-0.103.1	32	Y	Y	Y

Version	32/64	Uni	SMP
2.6.16.60-0.85.1	64	Y	Y
2.6.16.60-0.87.1	64	Y	Y
2.6.16.60-0.89.1	64	Y	Y
2.6.16.60-0.91.1	64	Y	Y
2.6.16.60-0.93.1	64	Y	Y
2.6.16.60-0.97.1	64	Y	Y
2.6.16.60-0.99.1	64	Y	Y
2.6.16.60-0.101.1	64	Y	Y
2.6.16.60-0.103.1	64	Y	Y

SuSE 11

Version	32/64	Uni	PAE
2.6.27.19-5	32	Y	Y
2.6.27.21-0.1	32	Y	Y
2.6.27.23-0.1	32	Y	Y
2.6.27.25-0.1	32	Y	Y
2.6.27.29-0.1	32	Y	Y
2.6.27.37-0.1	32	Y	Y
2.6.27.39-0.3	32	Y	N
2.6.27.42-0.1	32	Y	Y
2.6.27.45-0.1	32	Y	Y
2.6.27.48-0.1	32	Y	Y

Version	32/64	Uni	PAE
2.6.27.48-0.6	32	Y	Y
2.6.27.48-0.12	32	Y	Y
2.6.27.54-0.2	32	Y	Y

Version	32/64	Uni
2.6.27.19-5	64	Y
2.6.27.21-0.1	64	Y
2.6.27.23-0.1	64	Y
2.6.27.25-0.1	64	Y
2.6.27.29-0.1	64	Y
2.6.27.37-0.1	64	Y
2.6.27.39-0.3	64	Y
2.6.27.42-0.1	64	Y
2.6.27.45-0.1	64	Y
2.6.27.48-0.1	64	Y
2.6.27.48-0.6	64	Y
2.6.27.48-0.12	64	Y
2.6.27.54-0.2	64	Y

SuSE 11 SP1

Version	32/64	Uni	PAE
2.6.32.12-0.7	32	Y	Y
2.6.32.13-0.4	32	Y	Y
2.6.32.13-0.5	32	N	N
2.6.32.19-0.2	32	Y	Y
2.6.32.19-0.3	32	Y	Y
2.6.32.23-0.3	32	Y	Y
2.6.32.24-0.2	32	Y	Y
2.6.32.27-0.2	32	Y	N
2.6.32.29-0.3	32	Y	Y
2.6.32.36-0.5	32	Y	Y
2.6.32.43-0.4	32	Y	Y

Version	32/64	Uni	PAE
2.6.32.45-0.3	32	Y	Y
2.6.32.46-0.3	32	Y	Y
2.6.32.49-0.3	32	Y	Y
2.6.32.54-0.3	32	Y	Y
2.6.32.59-0.3	32	Y	Y
2.6.32.59-0.7	32	Y	Y

Version	32/64	Uni
2.6.32.12-0.7	64	Y
2.6.32.13-0.4	64	Y
2.6.32.13-0.5	64	N
2.6.32.19-0.2	64	Y
2.6.32.19-0.3	64	Y
2.6.32.23-0.3	64	Y
2.6.32.24-0.2	64	Y
2.6.32.27-0.2	64	Y
2.6.32.29-0.3	64	Y
2.6.32.36-0.5	64	Y
2.6.32.43-0.4	64	Y
2.6.32.45-0.3	64	Y
2.6.32.46-0.3	64	Y
2.6.32.49-0.3	64	Y
2.6.32.54-0.3	64	Y
2.6.32.59-0.3	64	Y
2.6.32.59-0.7	64	Y

SuSE 11 SP2

Version	32/64	Uni	PAE
3.0.13-0.27	32	Y	Y
3.0.26-0.7	32	Y	Y
3.0.31-0.9	32	Y	Y
3.0.34-0.7	32	Y	Y

Version	32/64	Uni	PAE
3.0.38-0.5	32	Y	Y
3.0.42-0.7	32	Y	Y
3.0.51-0.7	32	Y	Y
3.0.58-0.6.2	32	Y	Y
3.0.58-0.6.6	32	Y	Y
3.0.74-0.6.6	32	Y	Y
3.0.74-0.6.8	32	Y	Y
3.0.74-0.6.10	32	Y	Y
3.0.80-0.5	32	Y	Y

Version	32/64	Uni
3.0.13-0.27	64	Y
3.0.26-0.7	64	Y
3.0.31-0.9	64	Y
3.0.34-0.7	64	Y
3.0.38-0.5	64	Y
3.0.42-0.7	64	N
3.0.51-0.7	64	N
3.0.58-0.6.2	64	Y
3.0.58-0.6.6	64	Y
3.0.74-0.6.6	64	Y
3.0.74-0.6.8	64	Y
3.0.74-0.6.10	64	Y
3.0.80-0.5	64	Y

Ubuntu Kernels

The following tables list the Trend Micro Deep Security Agent 9.0 SP1 Patch1 supported Ubuntu Kernels.

Terms

- **Server:** the server-optimized version of the Ubuntu kernel
- **Generic :** the default version of the Ubuntu kernel

Key

- **Y:** Supported
- **N:** Not supported

Ubuntu 10

Version	32/64	Server
2.6.32-32-server	64	Y
2.6.32-33-server	64	Y
2.6.32-34-server	64	Y
2.6.32-35-server	64	Y
2.6.32-36-server	64	Y
2.6.32-37-server	64	Y
2.6.32-38-server	64	Y
2.6.32-39-server	64	Y
2.6.32-40-server	64	Y
2.6.32-41-server	64	Y
2.6.32-42-server	64	Y
2.6.32-43-server	64	Y
2.6.32-44-server	64	Y
2.6.32-45-server	64	Y
2.6.32-46-server	64	Y
2.6.32-47-server	64	Y
2.6.32-48-server	64	Y
2.6.32-49-server	64	Y

Version	32/64	Server
2.6.32-50-server	64	Y

Ubuntu 12

Version	32/64	Generic
3.2.0-23-generic	64	Y
3.2.0-24-generic	64	Y
3.2.0-25-generic	64	Y
3.2.0-26-generic	64	Y
3.2.0-27-generic	64	Y
3.2.0-29-generic	64	Y
3.2.0-30-generic	64	Y
3.2.0-31-generic	64	Y
3.2.0-32-generic	64	Y
3.2.0-33-generic	64	Y
3.2.0-34-generic	64	Y
3.2.0-35-generic	64	Y
3.2.0-36-generic	64	Y
3.2.0-37-generic	64	Y
3.2.0-38-generic	64	Y
3.2.0-39-generic	64	Y
3.2.0-40-generic	64	Y
3.2.0-41-generic	64	Y
3.2.0-43-generic	64	Y
3.2.0-44-generic	64	Y
3.2.0-45-generic	64	Y
3.2.0-48-generic	64	Y
3.2.0-49-generic	64	Y
3.2.0-51-generic	64	Y
3.2.0-52-generic	64	Y



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