

EXCERPTS FROM VIRUS BULLETIN NETWARE COMPARATIVE REVIEW AUGUST 2003



1317 Ynez Place, Suite CD,
Coronado, CA 92118, USA
Tel: +1 619 437 7037
Fax: +1 619 437 7045
Email: sales@nod32.com
Web: <http://www.nod32.com>

NETWARE 6.0

The version of the OS used in this test was *NetWare 6.0* with service pack 3 – the service pack being the usual several hundred megabytes in size. Installation of the patch failed to produce any problems, resulting in a patched and running server within minutes of beginning the process. With this promising start, the outlook seemed brighter and test sets and products could be considered.

The test set used was derived from the May 2003 WildList and, as expected, there were a large number of new worms to add to the collection. Inspection of these during replication led to the conclusion that none of the newcomers were destined to be tricky to detect – non-polymorphic worms not being the most challenging files for a scanning engine. At this stage the review looked set for a bumper crop of VB 100 % awards.

As for the products submitted for the review, there were a total of 11. In last year's *NetWare* review (see *VB*, August 2002, p.17) only nine products were on offer, so where do the differences lie? Out of the running is the now doomed *RAV for NetWare*, shelved after *GeCAD*'s takeover by



Microsoft. This left three new arrivals, which were products from *Symantec*, *Command* and *Computer Associates*' US-based division. These products certainly existed at the time of last year's review, but were not available in a tested form for *NetWare 6*.

Technical Details

Test environment: Server: 1.6 GHz Intel Pentium 4 workstation with 512 MB RAM, 20 GB dual hard disks, DVD/CD-ROM and 3.5-inch floppy, running *NetWare 6 Service Pack 3*.

Workstation: 1.6 GHz Intel Pentium 4 workstation with 512 MB RAM, 20 GB dual hard disks, DVD/CD-ROM and 3.5-inch floppy, running *Windows NT 4 Service Pack 6*.

Network: 100 Mbit ethernet.

Virus test sets: Complete listings of the test sets used are at http://www.virusbtn.com/Comparatives/NetWare/2003/test_sets.html. A complete description of the results calculation protocol is at <http://www.virusbtn.com/Comparatives/Win95/199801/protocol.html>.

On-access (OA) tests and on-demand tests (OD)	ItW File		Macro		Polymorphic		Standard	
	Number missed OA OD	% OA OD	Number missed OA OD	% OA OD	Number missed OA OD	% OA OD	Number missed OA OD	% OA OD
CA InoculateIT	0 0	100.00% 100.00%	4 4	99.90% 99.90%	1 1	99.89% 99.89%	3 1	99.70% 99.82%
CA Vet NetWare AntiVirus	0 0	100.00% 100.00%	12 12	99.82% 99.82%	437 437	98.50% 98.50%	4 2	99.78% 99.90%
Command AntiVirus	5 5	98.96% 98.96%	0 0	100.00% 100.00%	2 0	99.91% 100.00%	14 14	98.96% 98.96%
DialogueScience Dr.Web	0 0	100.00% 100.00%	0 0	100.00% 100.00%	0 0	100.00% 100.00%	3 0	99.70% 100.00%
Eset NOD32	0 0	100.00% 100.00%	0 0	100.00% 100.00%	0 0	100.00% 100.00%	0 0	100.00% 100.00%
Kaspersky KAV	0 0	100.00% 100.00%	0 0	100.00% 100.00%	1 1	99.92% 99.92%	2 0	99.88% 100.00%
NAI McAfee NetShield	0 0	100.00% 100.00%	0 0	100.00% 100.00%	0 0	100.00% 100.00%	4 2	99.70% 99.82%
Norman FireBreak	0 0	100.00% 100.00%	4 4	99.90% 99.90%	180 180	91.24% 91.24%	11 11	99.64% 99.64%
Sophos Anti-Virus	0 0	100.00% 100.00%	11 8	99.73% 99.80%	60 60	95.79% 95.79%	15 13	99.31% 99.40%
Symantec AntiVirus	0 0	100.00% 100.00%	0 0	100.00% 100.00%	35 0	98.86% 100.00%	0 0	100.00% 100.00%
VirusBuster VBShield	0 0	100.00% 100.00%	0 0	100.00% 100.00%	599 600	89.14% 89.13%	13 14	99.34% 99.15%

Hard Disk Scan Rate	Executables			OLE Files			Zipped Executables		Zipped OLE Files	
	Time (s)	Throughput (MB/s)	FPs [susp]	Time(s)	Throughput (MB/s)	FPs [susp]	Time (s)	Throughput (MB/s)	Time(s)	Throughput (MB/s)
CA InoculateIT	751	728.3	2	61	1300.6		292	545.9	59	1264.5
CA Vet NetWare AntiVirus	177	3090.0		12	6611.1		71	2245.3	161	463.4
Command AntiVirus	1667	328.1		87	911.9		-	-	-	-
DialogueScience Dr.Web	188	2909.2	[12]	13	6102.6		77	2070.3	14	5329.1
Eset NOD32	73	7492.2		7	11333.4		108	1476.1	13	5739.0
Kaspersky KAV	315	1736.3		28	2833.3		162	984.1	44	1695.6
NAI McAfee NetShield	581	941.4		35	2266.7		166	960.3	50	1492.1
Norman FireBreak	377	1450.7		11	7212.2		27	5904.3	6	12434.6
Sophos Anti-Virus	166	3294.8		21	3777.8		40	3985.4	10	7460.7
Symantec AntiVirus	155	3528.6		24	3305.6		76	2097.6	25	2984.3
VirusBuster VBShield	234	2337.3		13	6102.6		181	880.8	18	4144.9