Software Product Description

PRODUCT NAME: POLYCENTER™Security Integrity Checker for OpenVMS Version 1.0C   SPD 60.49.00

DESCRIPTION

Does your business require added security functionality beyond the already thorough security functionality provided by OpenVMS™? Are you concerned with computer viruses/Trojan horses and quality control of internally developed software? If so, POLYCENTER™ Security Integrity Checker maybe the answer that will give you peace of mind with respect to your systems.

Integrity Checker aids security managers in the early detection of computer viruses and Trojan horses on their system. Currently, there are no known viruses for the OpenVMS operating system. However, should OpenVMS™ viruses be developed, the use of this utility will aid in their early detection.

Integrity Checker can also be used to increase system integrity, assist in the system configuration management, and provide quality assurance through software application integrity.

Features

Integirty checker can be used to monitor all files which are key to system integrity. When applied to operating system files, Integrity Checker will enhance the fundamental sytem integrity. With software application files, Integirty Checker will enhance the quality assurance of the software application. Integrity Checker will provide early detection of modifications to all protected files.

Integrity Checker starts by building a database of information about the files it is to protect. Files are then periodically rechecked against the database to determine if a file has been modified. The database contains such information as:

o Filename

o Blocks Allocated

o Directory/File Identification

o Creation/Expiration/Revision Dates

o Protection Codes/Access Control Lits

o Other RMS Information As Appropriate

When combined with this information about the file, the contents of OpenVMS™ executable images (.EXE) files allow Integrity Checker to maintain even more detailed information on the file to prevent its alteration. This information includes:

o Transfer Address

o Link/Patch Dates

o Other Image Information As Appropriate

In addition to the above information, a cryptographic checksum of each file is created using the MD4 algorithm by RSA Data Security Inc. Taken together, the stored RMS and file content information allows for the early detection of files that have been modified. This combined information also reduces the possibility of undetected modifications.

HARDWARE REQUIREMENTS

Processors Supported

	VAXft Model 110,
	VAXft Model 310,
	VAXft Model 410,
	VAXft Model 610,
	VAXft Model 612
VAX:	VAX 4000 Model 200,
	VAX 4000 Model 300,
	VAX 4000 Model 500,
	VAX 4000 Model 600
	VAX 6000 Model 200 Series,
	VAX 6000 Model 300 Series,
	VAX 6000 Model 400 Series,
	VAX 6000 Model 500 Series,
	VAX 6000 Model 600 Series

VAX 8200, VAX 8250, VAX 8300,
VAX 8350, VAX 8500, VAX 8530,
VAX 8550, VAX 8600, VAX 8650,
VAX 8700, VAX 8800, VAX 8810,
VAX 8820, VAX 8830, VAX 8840

VAX 9000 Model 110,
VAX 9000 Model 210,
VAX 9000 Model 300 Series,
VAX 9000 Model 400 Series

VAX–11/730, VAX–11/750,
VAX–11/780, VAX–11/785

MicroVAX: MicroVAX II, MicroVAX 2000,
                   MicroVAX 3100 Model 10/10E,
                   MicroVAX 3100 Model 20/20E,
                   MicroVAX 3100 Model 30,
                   MicroVAX 3100 Model 40,
                   MicroVAX 3100 Model 80,
                   MicroVAX 3300, MicroVAX 3400,
                   MicroVAX 3500, MicroVAX 3600,
                   MicroVAX 3800, MicroVAX 3900

VAXstation: VAXstation II, VAXstation 2000,
                   VAXstation 3100 Model 30,
                   VAXstation 3100 Model 38,
                   VAXstation 3100 Model 40,
                   VAXstation 3100 Model 48,
                   VAXstation 3100 Model 76,
                   VAXstation 3200, VAXstation 3500,
                   VAXstation 3520, VAXstation 3540

                   VAXstation 4000 Model 60,
                   VAXstation 4000 VLC

VAXserver: VAXserver 3100, VAXserver 3300,
                   VAXserver 3400, VAXserver 3500,
                   VAXserver 3600, VAXserver 3602,
                   VAXserver 3800, VAXserver 3900

                   VAXserver 4000 Model 200,
                   VAXserver 4000 Model 300,
                   VAXserver 4000 Model 500

                   VAXserver 6000 Model 210,
                   VAXserver 6000 Model 220,
                   VAXserver 6000 Model 310,
                   VAXserver 6000 Model 320,
                   VAXserver 6000 Model 410,
                   VAXserver 6000 Model 420,
                   VAXserver 6000 Model 510,
                   VAXserver 6000 Model 520,
                   VAXserver 6000 Model 610,
                   VAXserver 6000 Model 620,
                   VAXserver 6000 Model 630

Processors Not Supported

MicroVAX I, VAXstation I, VAX–11/725, VAX–11/782,
VAXstation 8000

Processor Restrictions:

A TK50 Tape Drive is required for standalone MicroVAX
2000 and VAXstation 2000 systems.

Disk Space Requirements (Block Cluster Size = 1):

Disk space required for installation: 400 blocks

Disk space required for use (permanent):   100 blocks

These counts refer to the disk space required on the
system disk. The sizes are approximate; actual sizes
may vary depending on the user's system environment,
configuration, and software options.

CLUSTER ENVIRONMENT

This layered product is fully supported when installed on
any valid and licensed VAXcluster* configuration without
restrictions. The *HARDWARE REQUIREMENTS* sec-
tion of this product's Software

*   V5.x VAXcluster configurations are fully described
    in the VAXcluster Software Product Description
    (29.78.xx) and include CI, Ethernet, and Mixed In-
    terconnect configurations.

SOFTWARE REQUIREMENTS

Minimum Configuration Required:

OpenVMS Operating System V5.4 - V6.2
OpenVMS AXP V6.0 - V6.2

DISTRIBUTION MEDIA

9-track 1600 BPI Magtape, TK50 Streaming Tape Car-
tridge, CDrom (AXP only).

ORDERING INFORMATION

OpenVMS AXP:

Software Licenses: Q2-4R2A9-AA
Software Media: Q2-4R2AA-H8
Software Documentation: Q2-4R2AA-GZ

OpenVMS VAX:
Software Licenses: Q2-4R3A9-AA
Software Media: Q2-4R3AA-H5, Q2-4R3AA-HM
Software Documentation: Q2-4R3AA-GZ

*   Denotes variant fields. For additional information on
    available licenses, services, and media, refer to the
    appropriate price book.

SOFTWARE LICENSING

This software is furnished under the licensing provisions of Digital Equipment Corporation's Standard Teerms and Conditions. For more information about Digital's licensing terms and policies, contact your local Digital office.

License Management Facility Support:

This layered product supports the OpenVMS License Management Facility. A Product Authorization Key is required for installation and use of the software.

This software is furnished under a Traditinal License. License units for this product are NOT allocated on a CPU-capacity basis.

For more information on the License Management Facility, refer to the OpenVMS VAX Operating System Software Product Description (SPD 25.01.xx) or the *License Management Facility* manual of the OpenVMS VAX Operating System documentation set.

SOFTWARE PRODUCT SERVICES

A variety of service options are available from Digital. For more information, contact your local Digital office.

SOFTWARE WARRANTY

A 90 day warranty for this Software Application Product is provided by Digital with the purchase of a license for the product. The above information is valid at time of release. Please contact your local Digital office for the most up-to-date information.

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