

eTrust Access Control

A PeopleSoft 8 certified software integration.

Safeguard confidential information and critical servers.

Achieve proactive security through OS hardening.

Computer Associates' eTrust Access Control has successfully completed certification testing by PeopleSoft's Partner Integration Team. This certification resulted in creating PeopleSoft applications-specific policies for eTrust Access Control. These well-defined policies are defined to protect all PeopleSoft resources against attacks or misadministration errors, even by privileged users.

Computer Associates International, Inc.

Computer Associates International, Inc. (NYSE: CA) delivers The Software That Manages eBusiness. CA's world-class solutions address all aspects of eBusiness process management, information management, and infrastructure management in six focus areas: enterprise management, security, storage, eBusiness transformation and integration, portal and knowledge management, and predictive analysis and visualization. Founded in 1976, CA serves organizations in more than 100 countries, including 99 percent of the Fortune 500 companies.

Integration Overview

The biggest threats to business-critical applications availability are the vulnerabilities born from the operating systems. eTrust Access Control provides mainframe-grade security to your UNIX

and NT servers by regulating access to critical resources. eTrust Access Control provides policy-based control of who can access specific systems, what they can do within them, and when they are allowed access. PeopleSoft-specific policies have been created to meet the specific security requirements of PeopleSoft applications. This virtually eliminates the risks of attacks and misadministration carried outside the applications, at the OS-level, that would otherwise result in application crashes and data corruption.

The integration provides:

- Proactive security against application crashes and data corruption resulting from malicious acts or maladministration.
- PeopleSoft-specific policies to protect all business-critical resources through OS-hardening.
- Complete auditability and cross-platform policy management.

eTrust Access Control controls access to critical system resources through its authorization mechanism inside the kernel. These include system files, directories, running processes, privileged (setuid/setgid) programs, and privileged user identities (such as root, psoft, and so forth.)

PeopleSoft-specific policies can be broken down into four integration points:

- **Protecting PeopleSoft files and directories.** eTrust Access Control will protect all PeopleSoft files and directories that reside physically on the UNIX operating system, such that only authorized users will have access to these files. These could include configuration files, log files, and database files that relate to the PeopleSoft application. These generic rules will authorize a specific PeopleSoft administration group to have access to this information—anyone else with root or super user access will not be able to modify these files in any way. Also, rules as designed allow only specific PeopleSoft application processes to update log, database, and configuration files.
- **Protecting PeopleSoft processes.** eTrust Access Control protects all PeopleSoft processes running on UNIX so that only authorized PeopleSoft administrators are able to shut down these processes.
- **Protecting PeopleSoft privileged programs.** UNIX has the concept of privileged programs—these programs have the setuid/setgid bit set on them (also called the “sticky” bit). A common method of hacking into a UNIX box is to compromise these setuid/setgid programs. eTrust Access Control can protect all privileged programs in PeopleSoft such that they cannot be compromised by unauthorized users.

- **Protecting PeopleSoft privileged identities.** Privileged identities within the PeopleSoft application (such as UNIX user psoft) will not be allowed to log in directly to the UNIX box (as this bypasses accountability). PeopleSoft administrators will have to log in with their own ID and passwords and then “su” to the psoft ID. Thus, Access Control is enforcing accountability to this important application-shared ID.

Availability

eTrust Access control is available from Computer Associates International, Inc.

Support

eTrust Access Control is fully supported by Computer Associates. Technical support can be reached at 631 342 5760, esupport@ca.com, or <http://support.ca.com>

Certification Environment

Hardware: Sun Fire 280R

Software: PeopleTools 8.16, eTrust Access Control

Database platform: Oracle 8

Operating system: Solaris 8

PeopleSoft Certified Software Integrations

When PeopleSoft conducts certification testing, we verify only that the software integration functions according to the partner's test plan, and that it makes appropriate use of PeopleSoft components and integration technologies in the environment specified in the published Certification Datasheet. Certification applies only to the components providing integration between the partner's software and PeopleSoft software; it does not apply to or extend to the partner's software product(s). Certification is performed in a lab environment using uncustomized versions of PeopleSoft and the partner's software. Certification testing is product version specific, hardware specific, database specific, and operating system specific, and is conducted in English, unless explicitly noted otherwise. Similar results may not be able to be duplicated in a production environment, including where the PeopleSoft or partner software is modified or customized upon implementation. Customers are solely responsible for the selection of all third-party software, including any integration software, used in conjunction with PeopleSoft software and for the results of such use. For the functional and environmental details on a certified integration, refer to the partner's Certification Datasheet, found in the Alliances section of the PeopleSoft web site at www.peoplesoft.com.



PeopleSoft Inc.
Corporate Headquarters
4460 Hacienda Drive
Pleasanton, California 94588 USA
Toll-free 1 888 773 8277
Tel 925 694 3000
www.peoplesoft.com

Computer Associates International, Inc.
Computer Associates Plaza
Islandia, New York 11749 USA
Tel 631 342 6000
www.ca.com

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