



COMPUTER ACCESS REPORTING MANAGEMENT ADMINISTRATION
TOTAL COMPUTER SECURITY FOR UNIX PLATFORMS AND APPLICATIONS

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CARMA allows for the integration and monitoring of all servers, networks, system operations, applications and administrative functions as a single, coherent, computer system; producing a mirror image of the IT infrastructure.

CARMA provides each user with a personalized profile that restricts access to specified information and tasks within a computer system, and logs all user actions, entries and exits to provide a bullet-proof audit trail.

CARMA reduces staff training and systems operation costs by integrating disparate systems into a coherent whole. CARMA can also use different cost bases to allocate computer systems costs to multiple departments and users.

The myriad of access auditing features within CARMA allow for accurate event analysis that produces source data for productivity, performance and capacity surveys.

CARMA generates an audit trail on all steps taken by users in chronological order per user session allowing administrators to reconstruct any sequence of events that took place inside the CARMA portal.

KEY FUNCTIONS

Consolidation

CARMA integrates and consolidates all of the many aspects of a company's daily workload. For example:

- Application Processing
- Operational Procedures
- Communications
- Back - ups
- Peripheral Devices
- Monitoring of Service Calls
- Regulatory Compliance
- Cost Containment
- Security

Productivity

CARMA is also a powerful management tool that increases organizational efficiency by:

- Fine-tuning existing procedures and processes
- Streamlining a company's operations from top to bottom

This in turn improves corporate profitability.

Reorganization

Permanently updated information and review on existing work flows, administrative procedures and conventions are gathered with a view of helping administrators to adapt and restructure a company's IT infrastructure to meet the needs of an ever-changing work environment.

Streamlining

Redundant, duplicate and unnecessary procedures are easily identified with the installation of CARMA into an operating environment. This often has an immediate, noticeable effect on reducing IT costs.

PRIMARY FEATURES

CARMA is a complex program that can provide virtually any security-related task. The primary features are:

- Access Control and Monitoring (per user session)
- Unlimited Hotkey Allocation
- Direct Application & Task Access
- User Monitoring
- Client created Notes and Documentation
- Access Permissions
- Password Options
- Time Out Control
- Task Checks
- Time Surveys
- Cost Controls
- Charge Allocation
- Output Routing
- Auditing

Access Control

CARMA offers multiple levels of single and joint user-specific access through a combination of permissions and passwords. Access via an unlimited number of hotkeys is possible though users are still restricted to accessing only permitted options and tasks. CARMA also records illegal or futile access attempts.

- Total user session control
- User task and system access options are displayed according to allocated permissions.
- Optional anti virus check before task activation
- Optional return to last task executed

Hotkeys

CARMA allows for the creation of an unlimited number of hotkeys. These can be used to directly access user-specific operations and application administration at any time from any CARMA platform position.

Direct Application Access

CARMA users can access any application or any task (including operational processes, programs, back-up routines, print-spooler routines, notes, e-mail, and connections to other servers) as well as administer any function at any time in any sequence from any point inside a CARMA platform. Security is never compromised regardless of the access routine.

User Monitoring

- Who is doing what
- Which tasks are currently active
- Names of currently logged-in users
- System utilization
- Which tasks have been executed, when, by whom, for which cost centre
- Illegal access attempts

Documentation

Client documentation and user notes are accessible through hot keys and apply to any screen displayed by CARMA. Company specific instructions are now available on-line at your fingertips.

Access Permission

CARMA activates a permission scheduler who determines access permission according to the user's profile allocation; this in respect of application access and their substructures as well as executing specific tasks.

- Either all users are given basic access permission, or no user is provided access permission unless it is specifically allocated.
- Passwords are used to provide additional security to user access of specific systems, applications and tasks (joined access option).

Password Options

User generated:

- during profile set-up
- by optional change
- by forced change (based on set parameters)
- upon the expiry of a set time interval
- character pattern check

CARMA Administrator generated:

- for system access
- for application access
- for task call-up (specific routine) access

Time-Out Control

To prevent non-authorized personnel from using specific workstations an individual timer disables the continuation of the working session after reaching the idle time limit. The session can only be continued after successful password identification.

Task Check

CARMA provides the following information:

- Which task, performed by whom, when?
- Task history and current tasks in process
- Task check after system crash – to reconstruct a specific event or illegal access attempt.

Time Surveys

CARMA can locate bottlenecks and enhance productivity by allowing administrators to conduct time surveys of servers, individual applications, tasks or users over a specified period of time. These surveys can be used to monitor system performance as well as to conduct productivity analyses and capacity planning.

Cost Control

CARMA provides a mechanism to allocate the costs of different applications by user, task, cost centre (e.g., department) and by client.

Charge Allocation

CARMA also provides a mechanism to charge users (units, departments, clients, sister companies) in a pay-as-you-go method based on usage and time.

Output Routing

Available routing options are:

- Output directed to a defined directory
- Output directed to a defined printer name
- Output to screen only with print on request
- Output directed to a defined device

Auditing

Maintaining a logging database enables CARMA to produce selective event audits reflecting a detailed analysis from various prospective.