



Common auditing and reporting service for IBM Tivoli Access Manager

Tivoli. software



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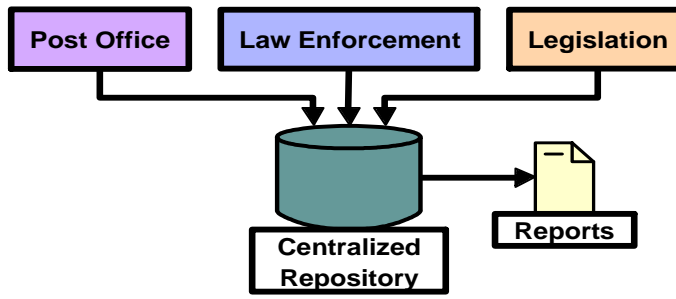
In this unit, we'll cover the common auditing and reporting service for IBM Tivoli Access Manager

Objectives

- Upon completion of this unit, you will be able to:
 - Describe Common Auditing and Reporting Service (CARS).
 - Describe the key benefits and usage of CARS in the enterprise.
 - Explain the usage of CARS within IBM Tivoli Access Manager.
 - Install and configure CARS for the IBM Tivoli Access Manager Policy Server.
 - Stage, create, and view audit reports using CARS and Crystal Enterprise Server.

Common auditing and reporting service overview

Provides enterprise auditing and reporting functionality



CARS enables system administrators to comprehensively manage auditing information across the enterprise. CARS provides the ability to collect centralized from several products including Tivoli Access Manager. This is example the local government has several agencies that are responsible for collecting audit data. Each group is required to submit their data at a specific time of day. Each organization is submitting the same type of data—security audit events. This scenario increases in complexity when you consider that each organization might be in a different time zone.

Industry reporting needs

- Security related
- Business critical
- Content management
- User access or provisioning
- Logging and auditing data



Common event infrastructure

- IBM event infrastructure for processing Common Base Events (CBE).
- Leverages WebSphere environment for scalability and availability.
- Provides Common Base Event (CBE) format.
- Additional Common Event Infrastructure (CEI) information available at:
 - <http://www-128.ibm.com/developerworks/library-combined/ac-cei/>

The underlying component that makes the management of the reports possible is IBM's Common Event Infrastructure or CEI. This is the general framework for CARS. It is an embedded component that provides event management of products across multiple platforms. CEI is the integration point for events from various sources from which it then distributes the events to the appropriate consumer. CEI does not contain a graphical interface or a command line interface. It uses the WebSphere Application Server Administrator Console to support the configuration and generation of the information in question. CEI and CARS are not stand-alone products but rather a subset that is used in conjunction with supported applications.

The Common Base Event, or CBE for short, is the common event format which is based on the Common Base

Event model, for logs and events. IBM is working toward having all of their products use the CBE format and standardize an event infrastructure. CBE provides a consistency in format and content. However, it is not a replacement of legacy event formats, but the base unit for

normalization and consistency for representation of event data.

You can find more information at the link given above.

Key benefits

- To achieve a common format of reports
- Consistently manage data across the enterprise
- Provide a centralized location
- Facilitates cross-product audit reports

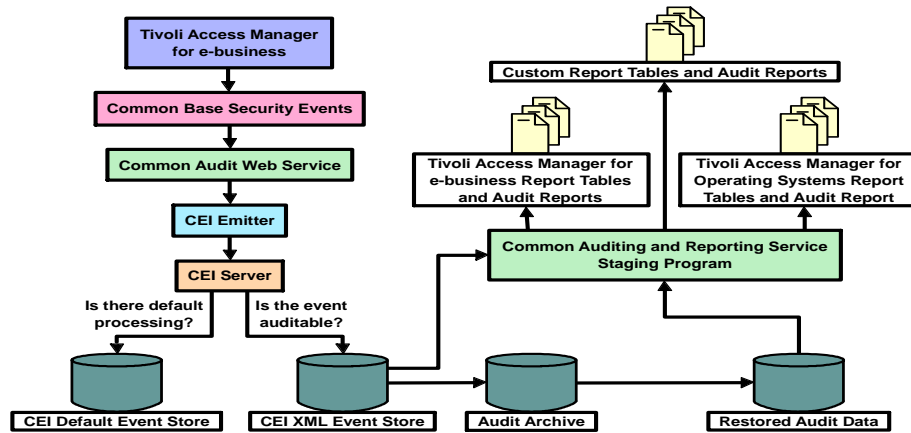
Key benefits – Continued

- Configuration based routing of auditable events
- Externalization of the relational database schema of the CARS XML event store
- CARS staging interfaces for custom report generation
- CARS XML store utility for use with third-party archive and restore tools

Tivoli Access Manager events

- Authentication
- Management of resources, security policies, users, groups
- Configuration
- Authorization
- Runtime operations for security servers
- Resource access events
- User self-care password change operations

Architecture



Take the "&" out of the objects on the right side.

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