

ORACLE CONTENT MANAGEMENT SDK

BENEFITS

- Develop your content management solutions faster and with less risk
- Proven scalability, reliability, security, and portability of applications based on this product and the Oracle platform
- Applications built with Oracle CM SDK provide the following benefits:
 - Reduce risk by consolidating your content into one repository
 - Find needed content faster with advanced search capabilities
 - Encourage reuse of content
 - Lower learning curve; use familiar productivity tools
 - Enables collaboration on creation and editing of content
- Partner solutions are also available for Oracle CM SDK

Oracle Content Management Software Development Kit (Oracle CM SDK) provides a complete development and run-time environment that allows you to rapidly build enterprise content management applications.

Introduction

Many organizations need to build enterprise content management solutions to meet their specific requirements. Some of these applications are required to perform relatively simple tasks that don't warrant spending large sums of money. Other applications require much more sophisticated capabilities within a flexible architecture.

Oracle CM SDK provides the robust and extensible platform for developing applications that will meet all of your content management requirements.

Features and Functionality

Oracle CM SDK provides:

- A run-time environment with file system convenience that you can immediately put to use.
- 100% Java APIs providing support for enterprise content management features such as versioning, folders, access control and security, workflow, extensive search capabilities, and extensible metadata.
- Comprehensive management tools to help you ensure that your applications run efficiently and reliably.

Industry Standard Protocol Servers

Many enterprise content management solutions founder when users refuse to use them. Successful enterprise content management solutions need the familiarity and ease of use of a file system or Internet application.

Oracle CM SDK's range of protocol servers provides access to the content repository from many client platforms, including Windows, Macintosh, UNIX, and Linux. The protocol servers also support access from Web clients and email clients.

Supported protocol servers include:

- HTTP and WebDAV for Web clients and applications that support DAV.
- FTP for bulk upload and download.
- SMB/NTFS for Windows-based access.
- NFS for UNIX and Linux.
- IMAP4 and SMTP for mail clients.

FEATURES

- Web Starter Application: an application with source code to demonstrate the development of Web based Oracle CM SDK Applications
- Oracle Internet Directory group support
- Integration with the Oracle Enterprise Manager Central Console and improvements to the Oracle CM SDK pages in the Oracle Enterprise Manager Application Server Console
- New application metrics for better application maintenance
- Domain Controller migration for improved reliability
- RAC support for better scalability, performance and reliability
- BFILE management for archiving
- Extensive globalization support

Integration with Other Oracle Database APIs

Oracle CM SDK provides a common, Java language point of integration for the Oracle products that comprise an enterprise content management solution. Oracle CM SDK is integrated with other Oracle database APIs including:

- Oracle Text for searching on content.
- Oracle Workflow for automating business processes, such as content routing and approvals.
- Oracle Advanced Queuing for integrating with other applications.
- Oracle *interMedia* for rich media indexing and annotating.
- Oracle XML Developer's Kit for efficiently manipulating XML content.

Integration with the Oracle Application Server Infrastructure

Oracle CM SDK integrates with Oracle Internet Directory and Oracle Application Server Single Sign-On to manage your users and groups.

The Oracle CM SDK also offers integration with OracleAS Portal and Oracle Ultra Search for federated searching of enterprise database, mail and Web content.

Extensive Management Capabilities

Oracle CM SDK provides several levels of management, all designed to ensure that your system runs effectively and efficiently.

Oracle Enterprise Manager Central Console

The Oracle Enterprise Manager Central Console is a Web-based Oracle Application Server tool that provides centralized management for multiple middle tiers, including Oracle Application Server middle tiers, OracleAS Infrastructure tiers, and Oracle9i Database Server hosts.

Oracle CM SDK uses the Central Console for access to metric data, such as document statistics, node statistics, and users, as well as to monitor alerts that have been defined for some metrics.

Oracle Enterprise Manager Application Server Console

The Oracle CM SDK is fully integrated with the Oracle Enterprise Manager Application Server Console, providing extensive management of Oracle CM SDK processes. Some of the management tasks that can be performed from the Application Server Console include:

- Start and stop Oracle CM SDK processes from a single interface and edit the configuration information for Oracle CM SDK nodes, servers and services.
- Automatically monitor status, usage and performance data from the Oracle CM SDK processes and view aggregate performance.
- View network ports and system log files from a central location.

Oracle CM SDK Manager

Oracle CM SDK Manager is a Web-based administration tool that enables management of the repository. Features include the ability to:

- Manage Access Control Lists and permissions.
- Manage users and groups.
- Manage mount points, printers, and queues.
- Extend the properties of Oracle CM SDK by extending existing class objects or creating new ones, including the ability to create new categories for custom metadata.

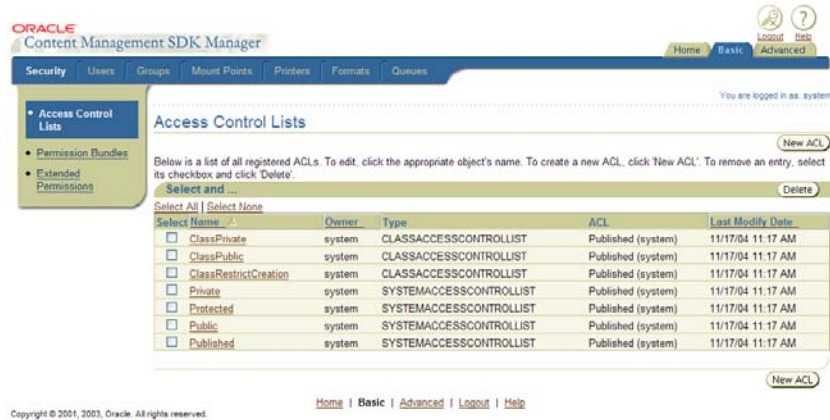


Figure 1. Oracle CM SDK Manager provides Web-based management and the ability to extend the functionality of Oracle CM SDK by extending existing classes or creating custom class objects and attributes.

Other Management Utilities

The Oracle CM SDK Object Inspector enables management of repository objects through a simple and intuitive graphical application that allows you to:

- Display the folder hierarchy and apply an ACL to an object.
- Display the properties, categories, and relationships of selected objects.
- Search for objects using attributes, relationships, and categories associated with an object.

Several configuration scripts and wizards, as well as a Command-line Utilities Protocol (CUP) server, are also provided with Oracle CM SDK to facilitate administration tasks.

Background Processing Capabilities

Agents allow Oracle CM SDK to perform operations at a certain time, or when a certain event occurs. For example, these operations could be anything from garbage collection or content aging, to notifying a particular user when a document has been modified. Oracle CM SDK uses agents to improve system usability and performance by performing certain tasks in the background, so that users are not forced to wait until these tasks are completed. Developers can override existing agent behavior, or create their own agents.

Demonstrated High Availability and Performance

PRODUCT DETAILS

CURRENT VERSION

- Oracle CM SDK 10g Release 2 (9.0.4.2.2)

RELATED PRODUCTS

- Oracle Application Server 10g Release 2 (10.1.2.0.2)
- Oracle 10g Database

Oracle CM SDK is integrated with other Oracle applications:

- Oracle Workflow
- Oracle Advanced Queuing
- Oracle Internet Directory
- Oracle Text
- Oracle *interMedia*
- Oracle XML Developer's Kit

LICENSING

Oracle CM SDK is bundled with the standard and enterprise editions of Oracle Application Server 10g Release 2 (10.1.2)

SUPPORTED PLATFORMS

- Sun Solaris 2.8 and above
- Windows NT/2000/2003
- Linux
- HP-UX
- AIX
- HP Tru64

Oracle's internal deployment of Oracle Files, a product built using Oracle CM SDK, supports the file sharing and collaboration needs of all of Oracles 40,000+ employees. Over 7TB of documents are already stored in Oracle Files, and the service is available 24x7.

A middle-tier approach on top of Oracle Application Server, coupled with the ability to leverage powerful features of the Oracle database (such as RAC), make Oracle CM SDK a robust, enterprise-level application.

Web Starter Application

The Oracle CM SDK Web Starter Application is a sample application, provided with source code, that allows you to quickly build Web-based user interfaces for your content management applications.

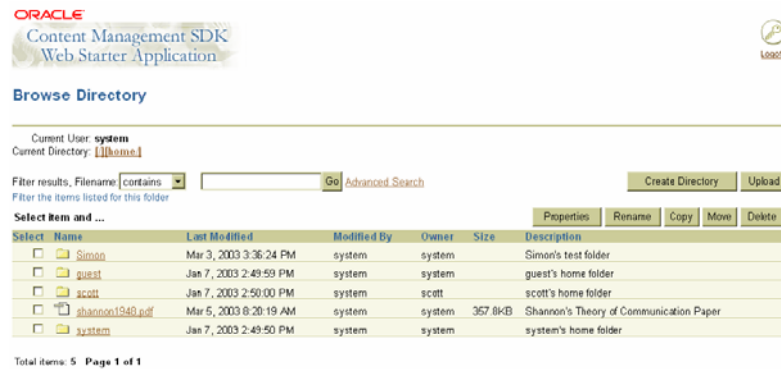


Figure 2. The Web Starter Application provides a functioning sample to help you start developing your own Web-based applications with Oracle CM SDK.