

ORACLE APPLICATION SERVER CERTIFICATE AUTHORITY 10G

KEY FEATURES AND BENEFITS



ORACLE APPLICATION
SERVER CERTIFICATE
AUTHORITY 10G

- Part of the Oracle Identity Management option
- Certificate provisioning integrated with OracleAS Single Sign-On
- Standards based
- Configure administrative alerts and CRL publishing
- HTML user and administrative interface
- Built-in certificate policies
- Directory publishing

OracleAS Certificate Authority 10g is part of Oracle Identity Management and gives enterprises the ability to provision and manage digital certificates for the purpose of digital signing, securing data/messages, and authentication. Tight integration with Oracle Identity Management streamlines provisioning and simplifies deployment of PKI.

Streamlined provisioning

OracleAS Certificate Authority 10g integration with Oracle Identity Management provides efficient and flexible provisioning capabilities. Leveraging OracleAS Single Sign-on 10g, web application users can easily self-provision a certificate after successful authentication. Once created, certificates are automatically published to the Oracle Internet Directory. Applications using Oracle Portal or other technologies can embed links to the OracleAS Certificate Authority 10g, giving application users access to certificates in a few minutes versus the hours or days required when using a manual review and approval workflow process. Traditional provisioning workflow processes are supported using the OracleAS Certificate Authority 10g manual certificate request capability.

Policy Support

OracleAS Certificate Authority 10g ships several enterprise policies out-of-the-box. The policies can be managed using the web administration interface. Policies provided with OracleAS Certificate Authority 10g include:

- RSA Key Constraints
- Validity Rule
- Unique Certificate Constraints
- Trust Point DN Custom Rule

Deployment Architecture

OracleAS Certificate Authority 10g supports a hierarchy of certificate authorities. The signing/SSL certificate of a subordinate OracleAS Certificate Authority installation can be obtained from another OracleAS Certificate Authority 10g installation or any standards compliant certificate authority. Hierarchical CA support is useful in a geographically distributed organization.

RELATED PRODUCTS

Related products:

OracleAS Certificate Authority 10g is part of the Oracle Identity Management option:

The Oracle Identity Management Option provides:

Oracle Internet Directory, a scalable, robust LDAP V3-compliant directory service

OracleAS Single Sign-On 10g. Provides single sign-on access to Oracle and third-party web applications.

Oracle Directory Synchronization Service, part of Oracle Internet Directory, which permits synchronization between Oracle Internet Directory and other directories and user repositories.

Oracle Provisioning Integration Service - Provides automatic provisioning services for Oracle components and applications and, through standard interfaces, third-party applications.

Oracle Delegated Administration Service - Provides trusted proxy-based administration of directory information by users and application administrators.

Web Interface

OracleAS Certificate Authority 10g provides a comprehensive web interface for certificate management and administration.

Web User Interface

- **Streamlined provisioning with OracleAS Single Sign-on**
- **User and Server/SubCA Certificate Requests**
- **CRL Download**
- **CA Certificate Download**
- **Certificate revocation**
- **Basic and advanced search capabilities**
- **Manual certificate submission / review approval**

Web Administration Interface

- **Certificate management - review/approval**
- **Policy Configuration**
- **CRL publishing / scheduling**
- **Configuration directory synchronization**
- **Certificate revocation**
- **Basic and advanced search capabilities**
- **Email alert notification**
- **Enable / disable tracing**
- **Set Based DN components**

Command line utilities exist for less common operations such as resetting administrative passwords and stopping/starting OracleAS Certificate Authority 10g. Access to the administrative web interface requires a special certificate issued by the OracleAS Certificate Authority 10g.

Standards

Certificate requests X.509 v3

PKIX standards

PKCS #10 certificate requests

RSA key lengths up to 4096 bits

Packaging and Availability

OracleAS Certificate Authority 10g is part of the Oracle Identity Management option. Oracle Identity Management is bundled with the Oracle Application Server 10g Enterprise Edition. It can also be licensed separately as an option for the Oracle Application Server 10g Standard Edition