

The Piocon logo features the word "piocon" in a lowercase, red, sans-serif font. The letter "i" has a red dot above it and a red dot below it. The background is a gradient from black at the top to red at the bottom, with a horizontal line of white dots separating the logo from the tagline.

EXPLOITING TECHNOLOGY for your advantage.

## **Oracle Identity Management The Total Identity Solution**

Dan Norris  
Practice Manager  
Piocon Technologies, Inc.  
[dnorris@piocon.com](mailto:dnorris@piocon.com)

Presentation created by Matt Topper

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# Agenda



- Who is Dan?
- What is Identity Management?
- What are the Components?
  - For each component:
    - What does it do?
    - What are the features?
    - How is it installed?
- How does it all tie together?
- Common Deployment Scenarios

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## Who is Dan?



- Virgo
- Scuba Diver (PADI Advanced OW, Nitrox)
- Over 21, under 35
- Oracle DBA & UNIX Admin background
- Certifiable: OCM, ACE Director, RHCE
- Consultant, mostly fixing things that are broken
- Active community participant: RAC SIG, SIG Council, DBA Track Manager, blogger, tweeter
- ESA Practice Manager at Piocon Technologies

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# Oracle Identity Management Then and Now



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# The Original Players



- Oracle Internet Directory
- Oracle Delegated Administration Service
- Oracle Certificate Authority
- Oracle Single Sign On
- Oracle Enterprise Single Sign On
- Oracle Identity Manager
- Oracle Access Manager
- Oracle Virtual Directory
- Oracle Identity Federation
- Oracle Web Services Manager
- Oracle Adaptable Access Manager
- Oracle Role Manager
- Oracle Authentication Services for Operating Systems

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# Oracle Internet Directory

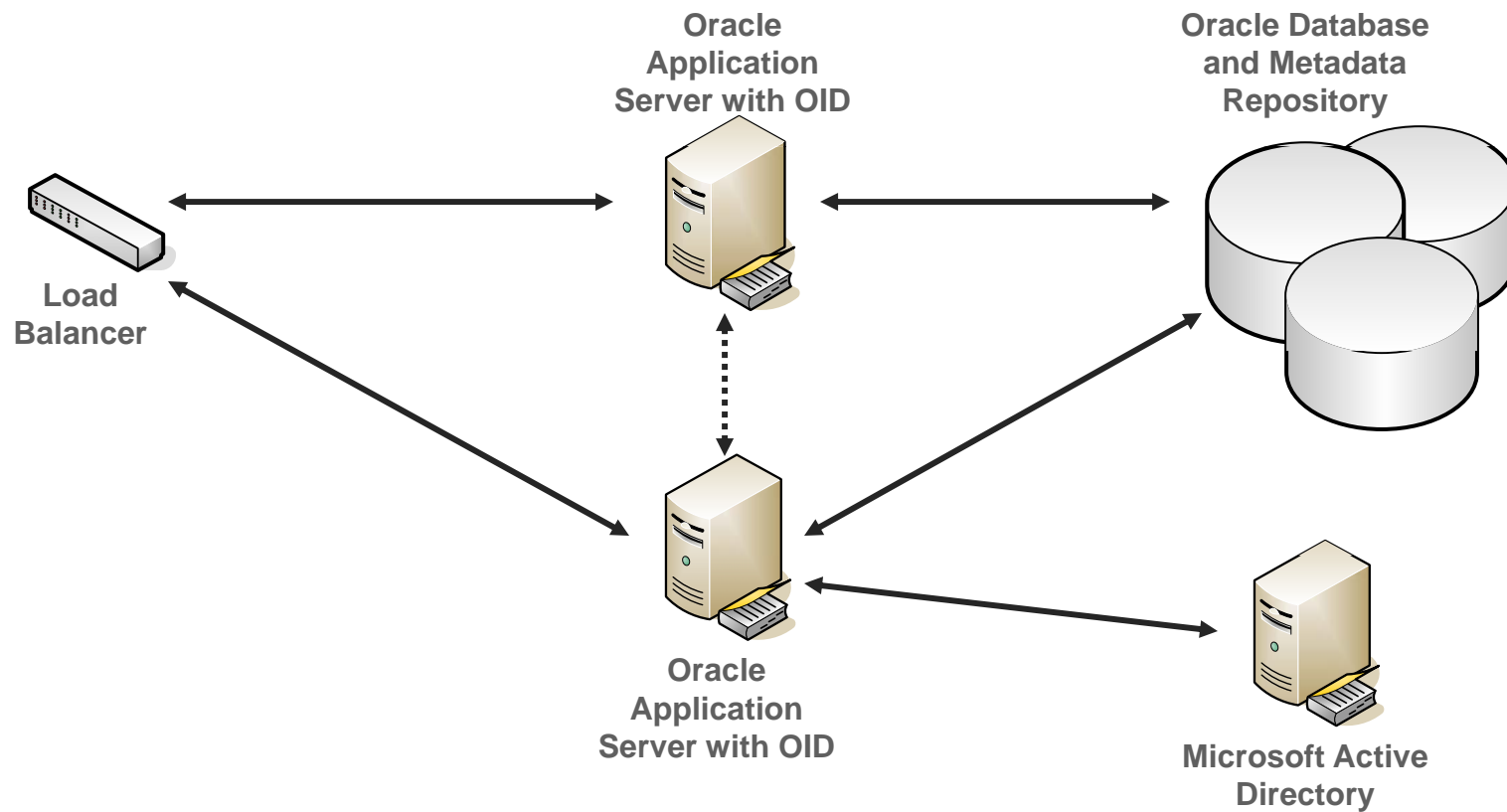


- What does it do?
- What are the main features?
  - LDAP v3 Compliant
  - Dynamic Groups
  - Replication
  - Directory Integration Platform
  - Password Policies

# Oracle Internet Directory



- How is it deployed?



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## Oracle Directory Administration Service

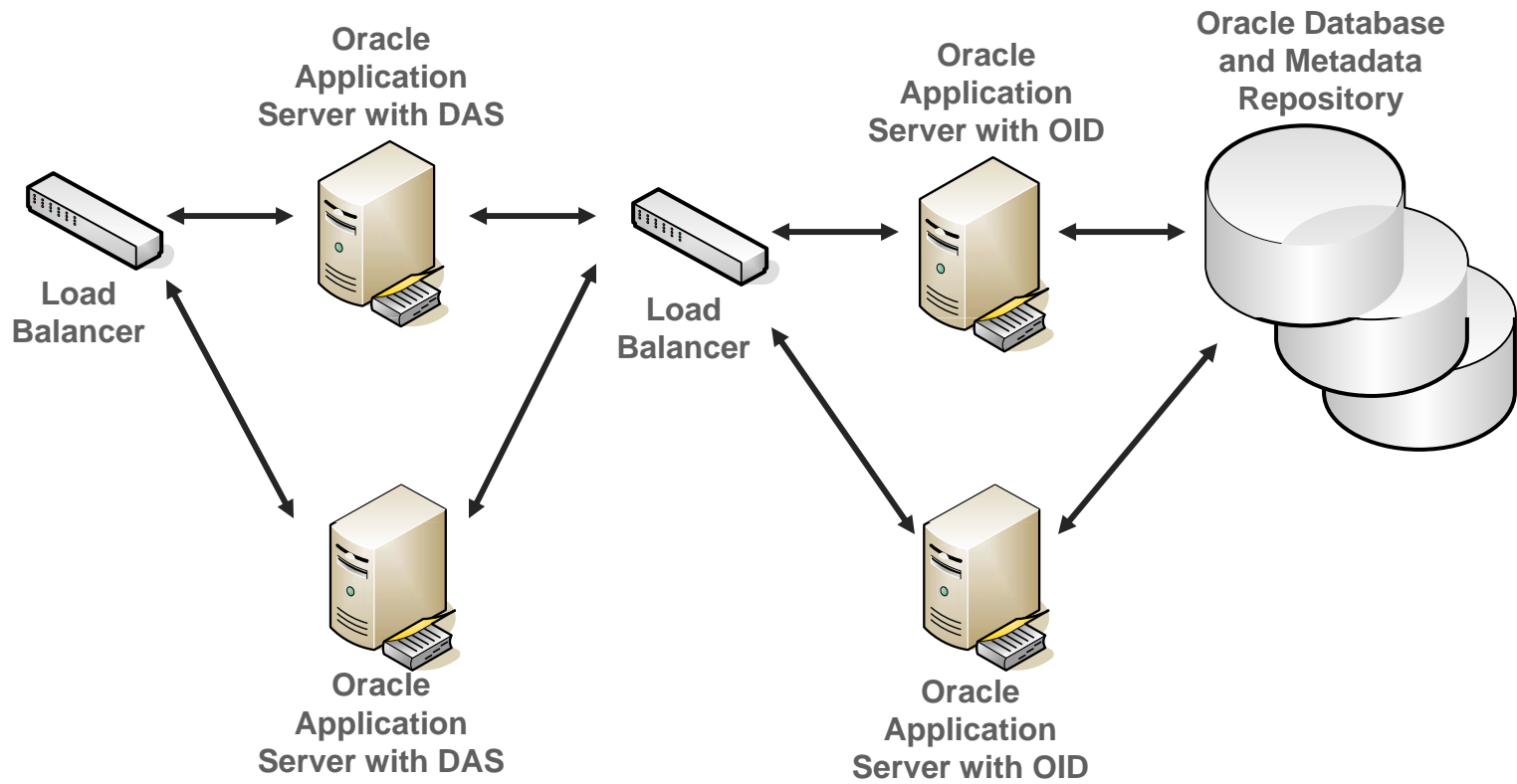


- What does it do?
- What are the main features?

# Oracle Directory Administration Service



- How is it deployed?



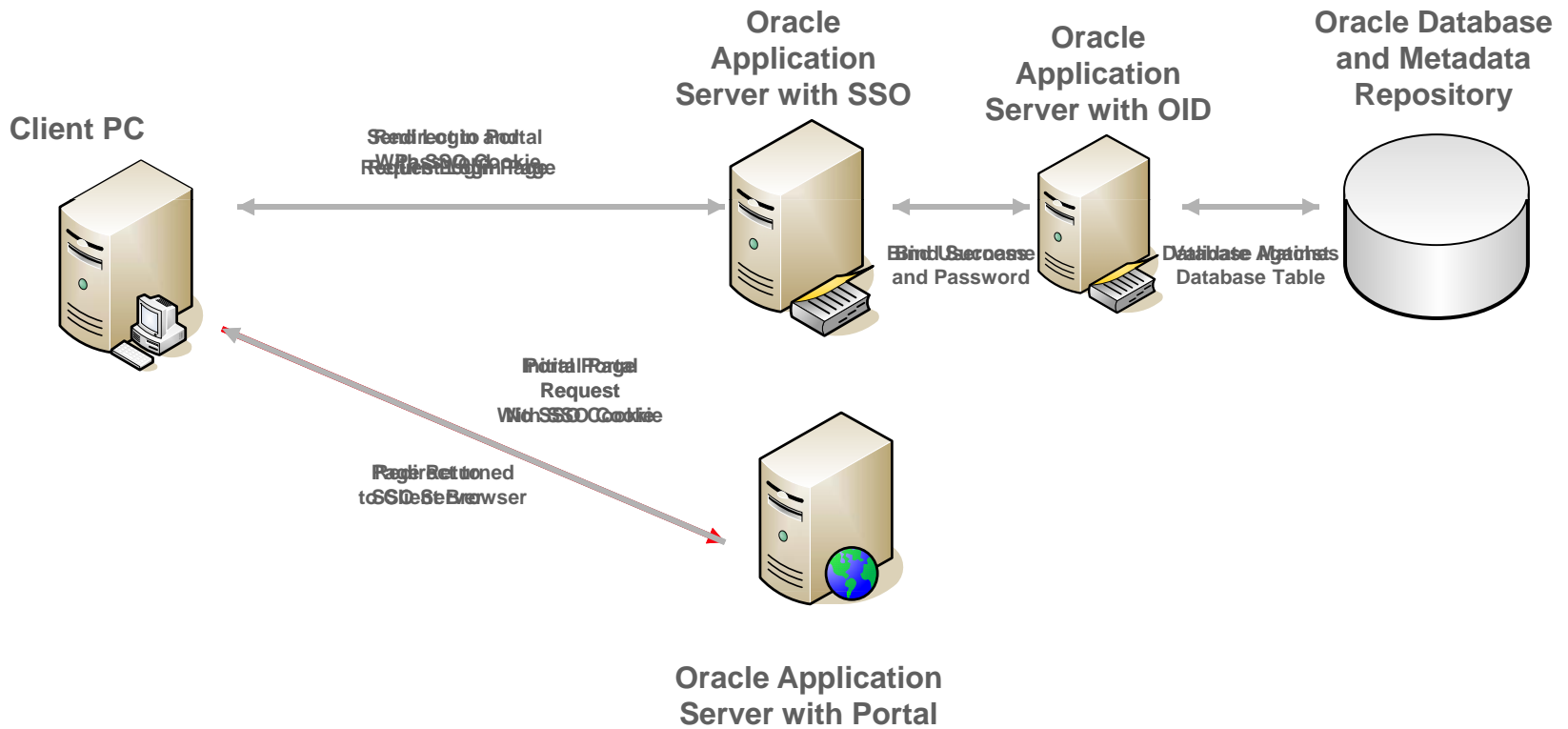
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# Oracle Single Sign-On



- What does it do?
- What are the main features?

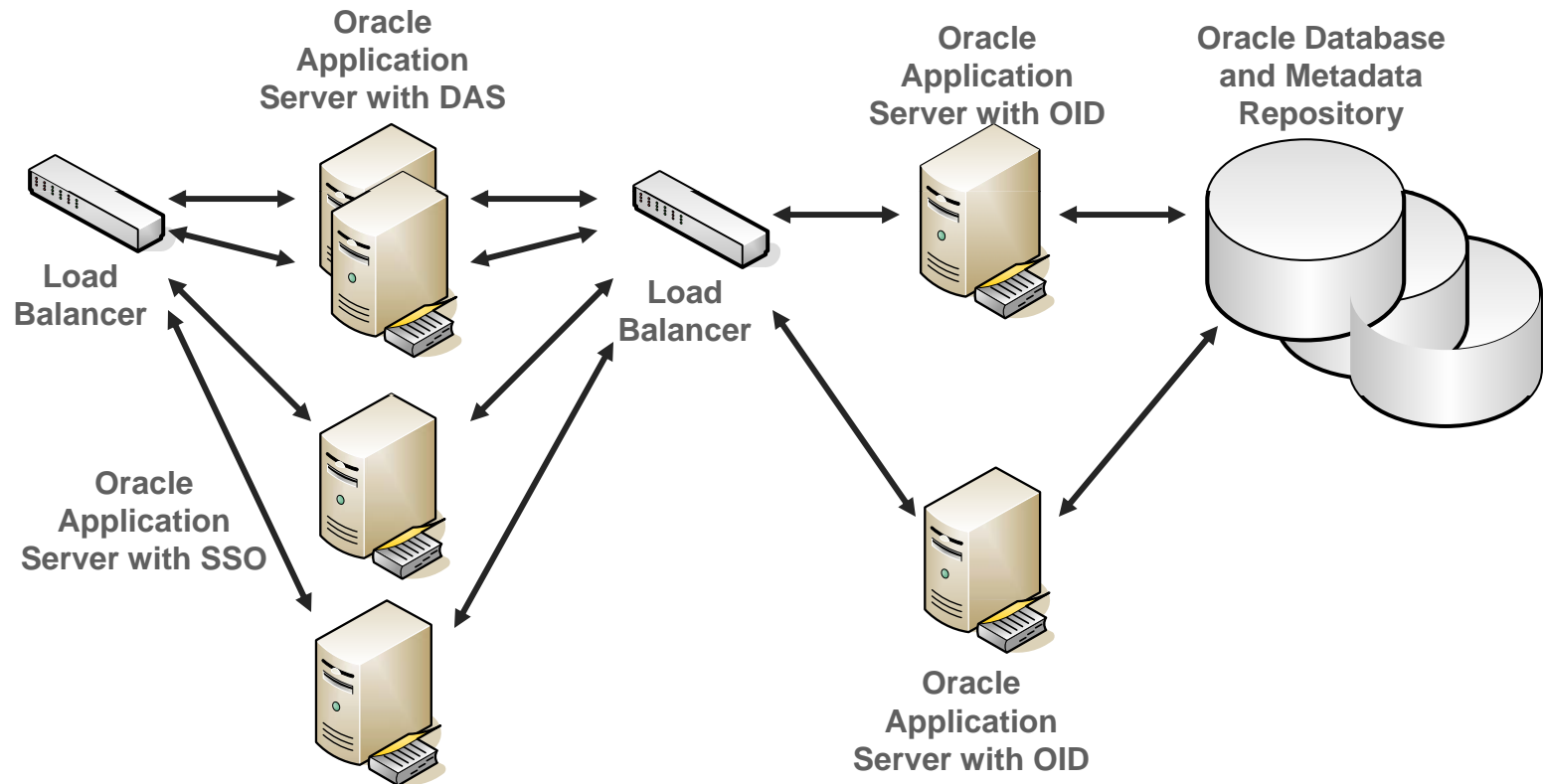
# Oracle Single Sign-On Request Cycle



# Oracle Single Sign-On



- How is it deployed?



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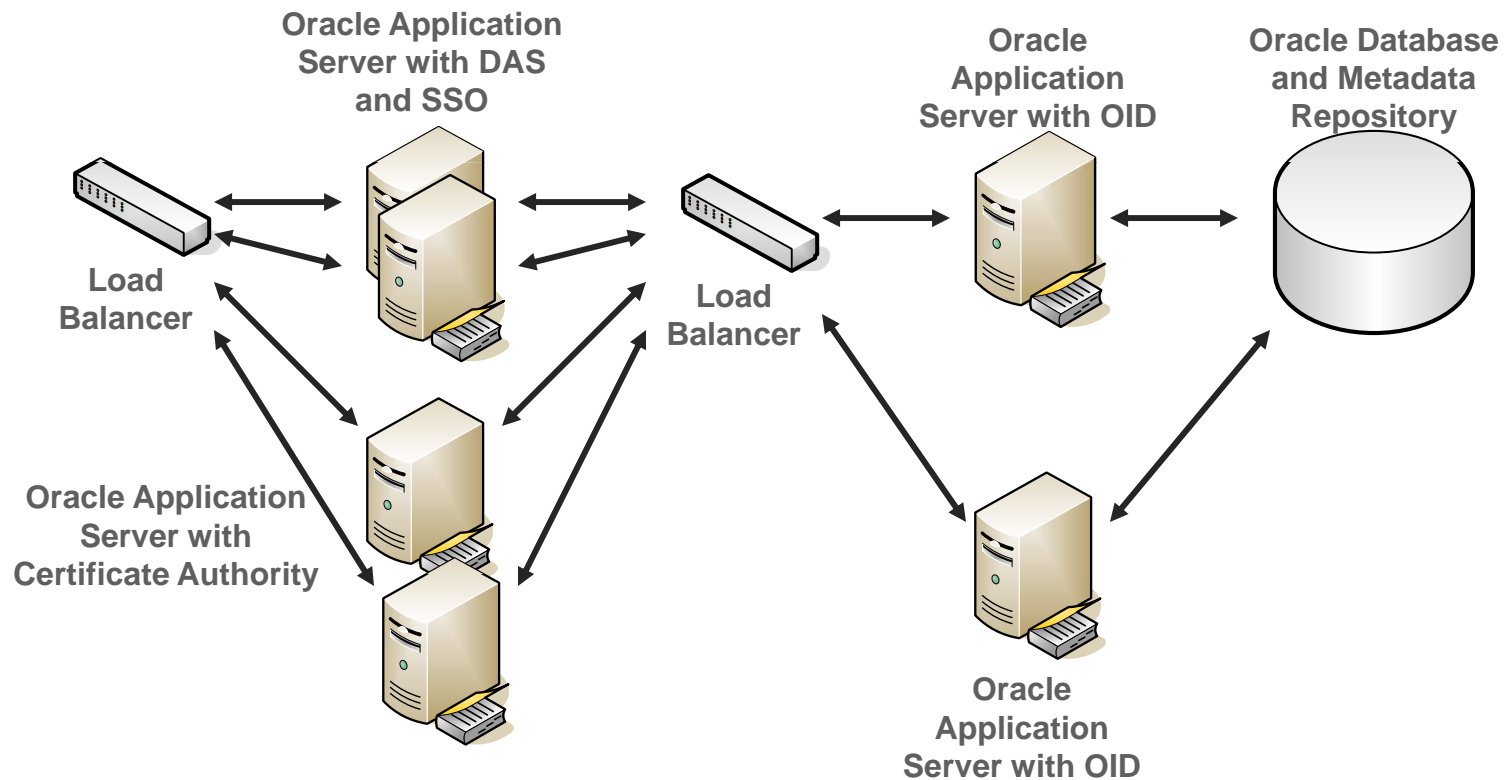
# Oracle Certificate Authority



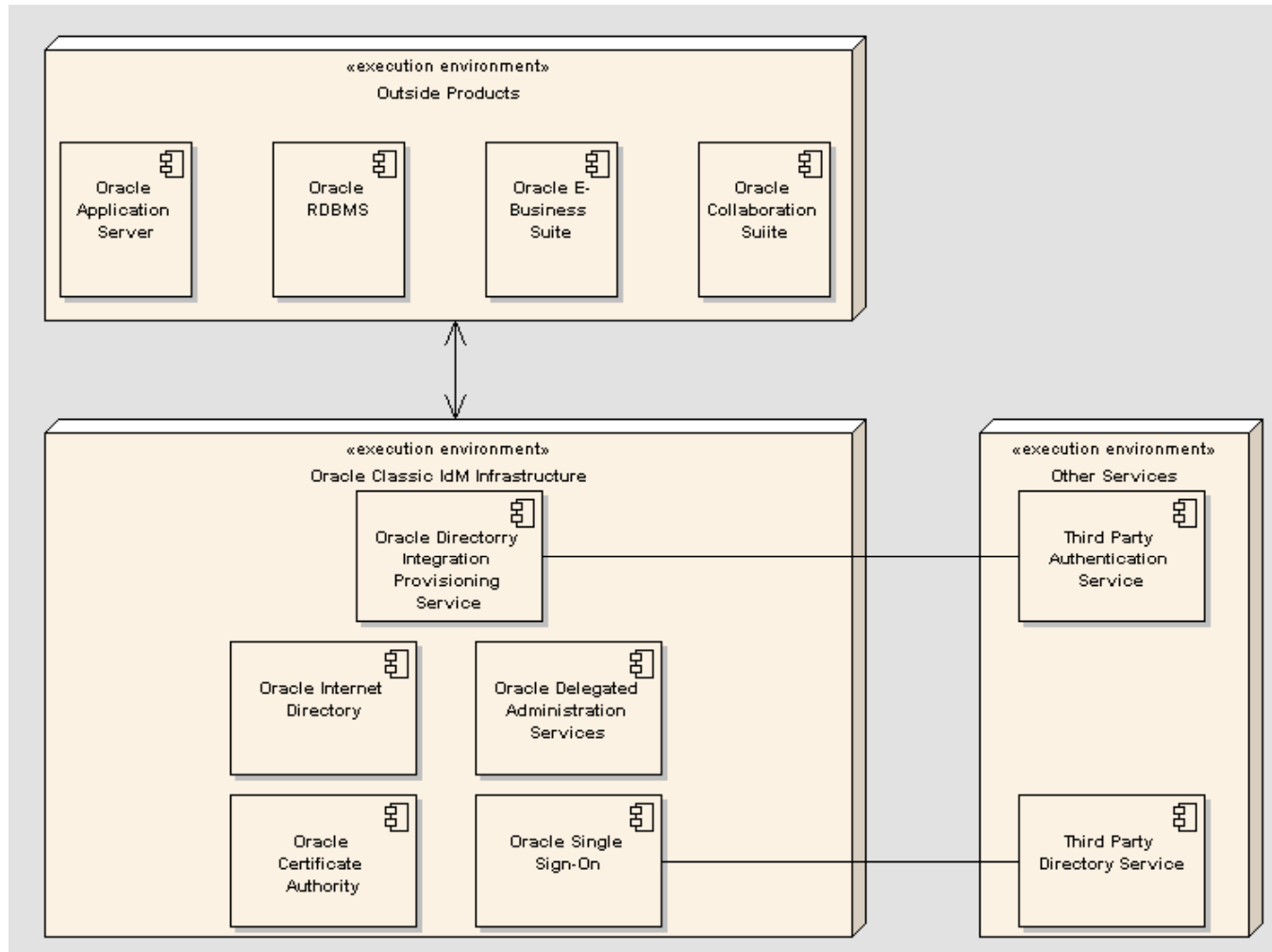
- What does it do?
- What are the main features?
  - PKI
  - X.509v3 Certificates
  - Web Based Certificate Management

# Oracle Certificate Authority

- How is it deployed?



# Classic Oracle IdM Deployment



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# Oracle Identity Management The New Generation



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# New Generation Oracle IdM



- Oracle Internet Directory
- Oracle Delegated Administration Service
- Oracle Certificate Authority
- Oracle Single Sign On
- Oracle Enterprise Single Sign On
- Oracle Identity Manager
- Oracle Access Manager
- Oracle Virtual Directory
- Oracle Identity Federation
- Oracle Web Services Manager
- Oracle Adaptable Access Manager
- Oracle Role Manager
- Oracle Authentication Services for Operating Systems

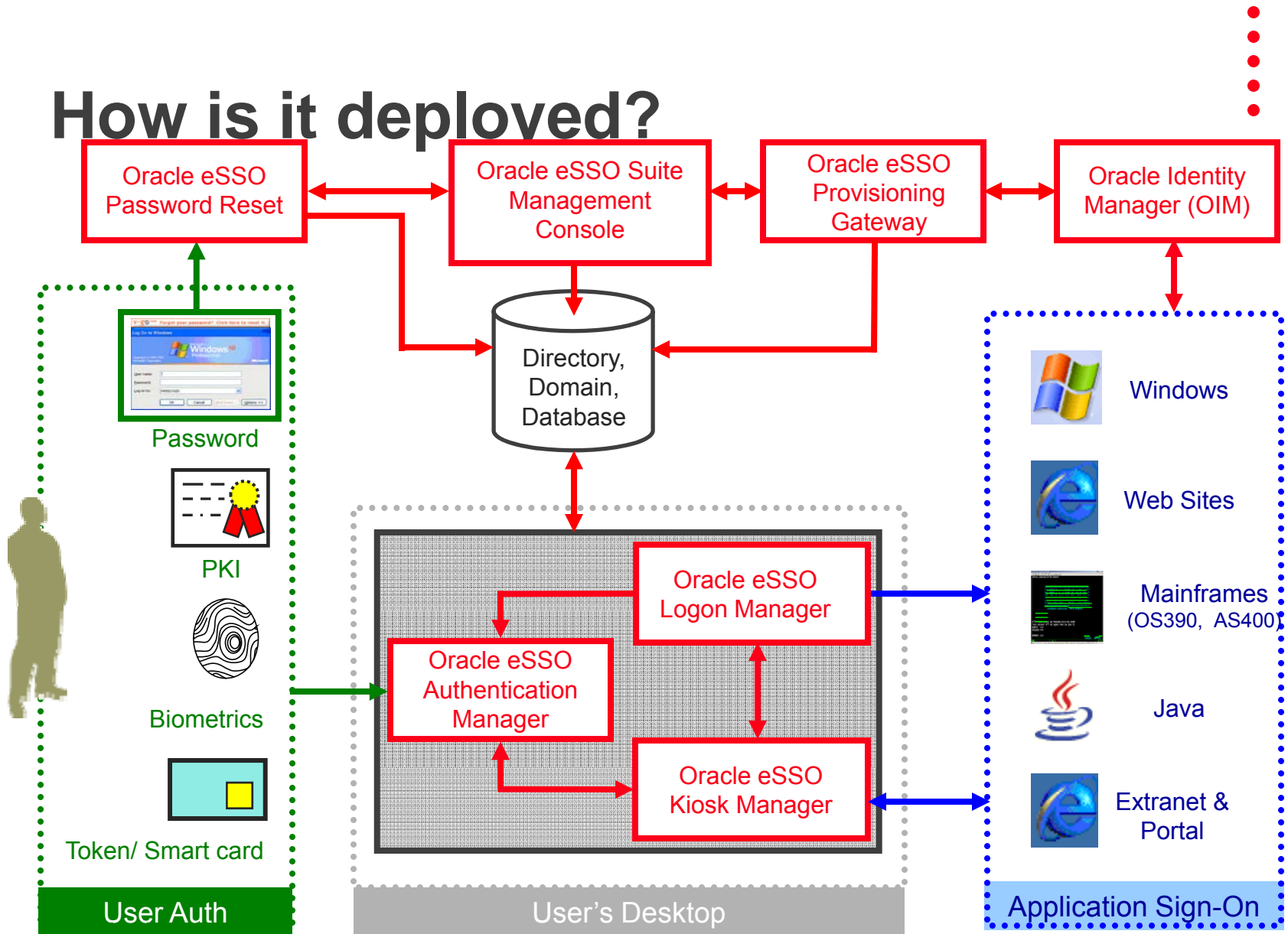
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# Oracle Enterprise Single Sign On



- What does it do?
- What are the main features?
  - Single Sign-On Logon Manager
  - Single Sign-On Password Reset
  - Single Sign-On Authentication Manager
  - Single Sign-On Provisioning Gateway
  - Single Sign-On Kiosk Manager
- How is it installed?

# How is it deployed?



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# Oracle Identity Manager



- What does it do?
- What are the main features?
  - Provisioning
  - Workflow
  - Attestation
  - User Self Service
  - Connector Architecture
  - Delegated Administration

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# Oracle Identity Manager Connector Pack



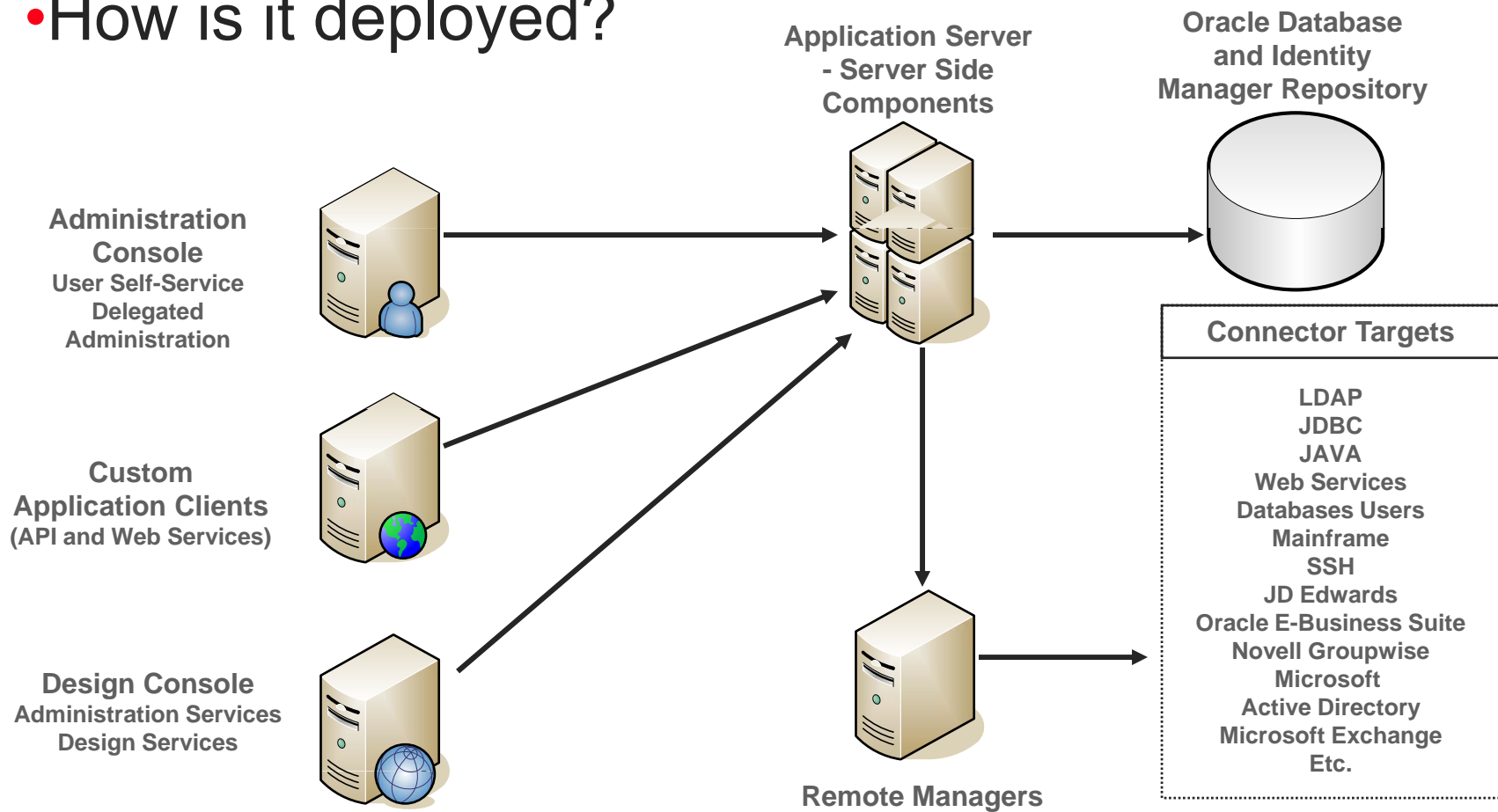
## • Connection Interfaces

- BMC Remedy
- CA-ACF2 (Mainframe)
- CA-Top Secret (Mainframe)
- Database User Management
- Database Application Tables
- IBM RACF
- IBM i5/OS
- IBM Lotus Notes / Domino
- JD Edwards EnterpriseOne
- Microsoft Active Directory
- Microsoft Exchange
- Microsoft Windows 2000
- Novell eDirectory
- Novell GroupWise
- Oracle eBusiness Suite
- Oracle Internet Directory
- PeopleSoft
- Siebel Enterprise Applications
- RSA Authentication Manager
- RSA Clear Trust
- SAP
- SAP Enterprise Portal
- Sun Java System Directory
- Unix SSH
- Unix Telnet

# Oracle Identity Manger



- How is it deployed?



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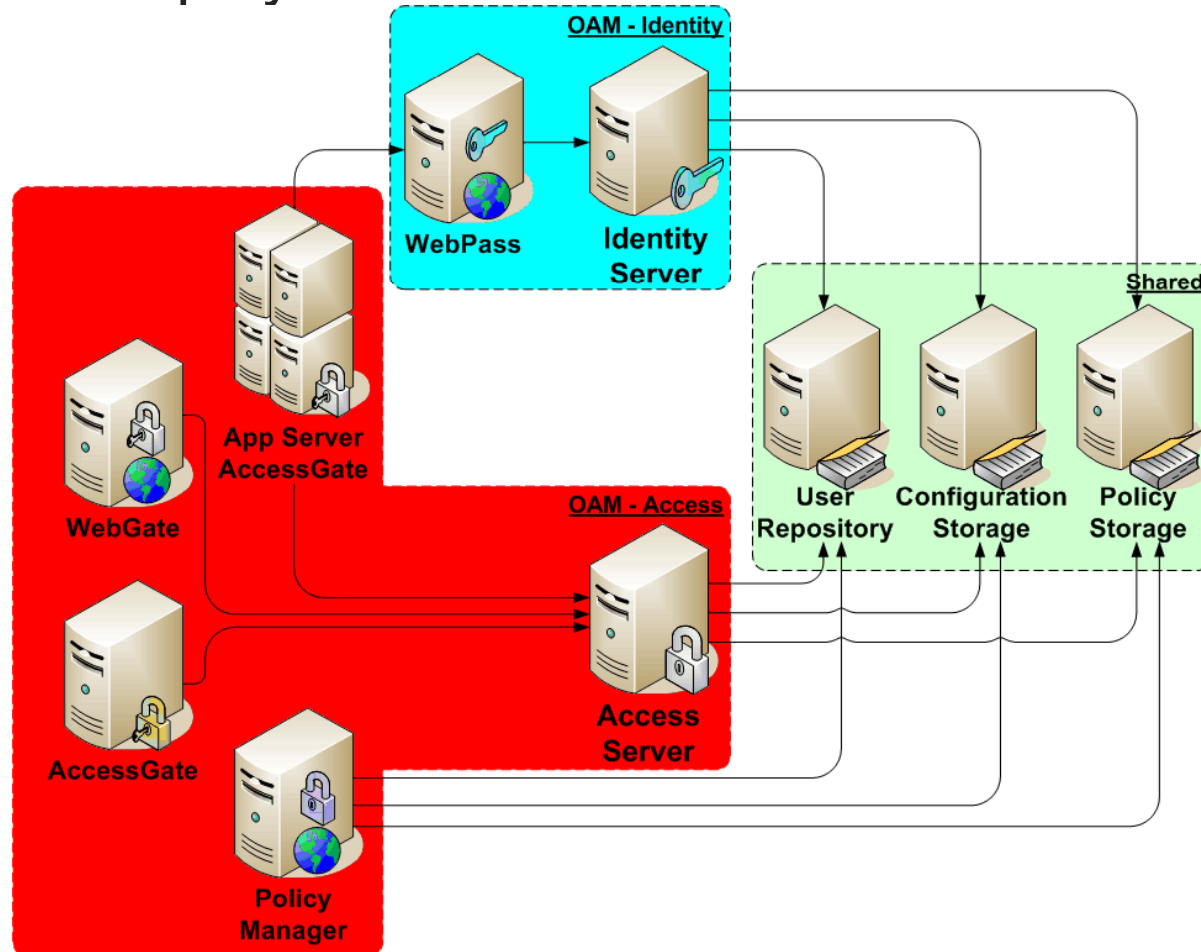
# Oracle Access Manager



- What does it do?
- What are the main features?
  - WebGate
  - WebPass
  - Identity Server
  - Access Server
  - Policy Server
- How is it installed?

# Oracle Access Manger

- How is it deployed?



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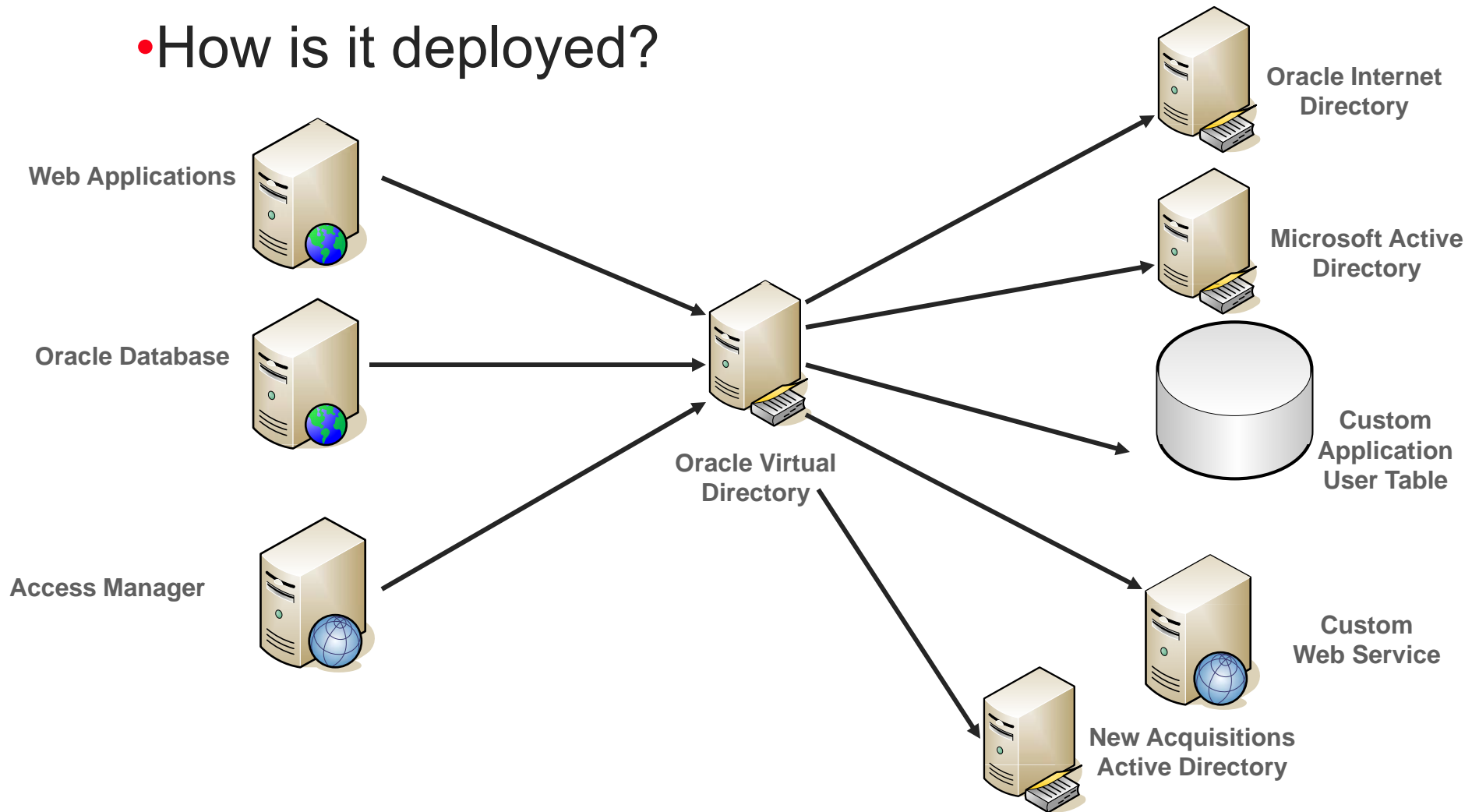
# Oracle Virtual Directory



- What does it do?
- What are the main features?
- How is it installed?

# Oracle Virtual Directory

- How is it deployed?



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# Oracle Identity Federation

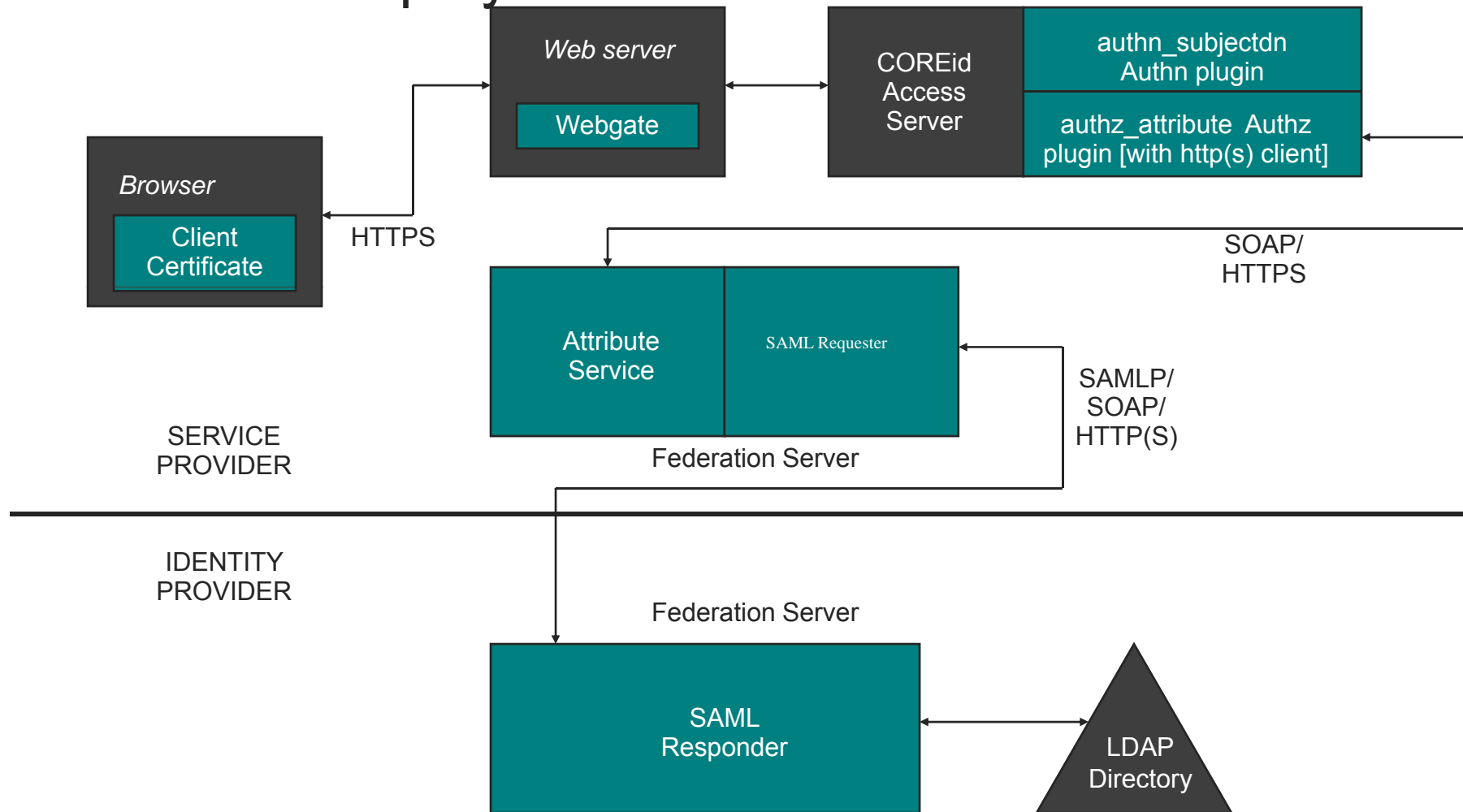


- What does it do?
- What are the main features?
  - Service Providers
  - Identity Providers
  - Principals
  - Standards
    - SAML (1.0 / 2.0)
    - Liberty ID-FF (1.1 / 1.2)
    - WS-Federation
- How is it installed?



# Oracle Identity Federation with Oracle Access Manager

## • How is it deployed?



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# Oracle Web Services Manager

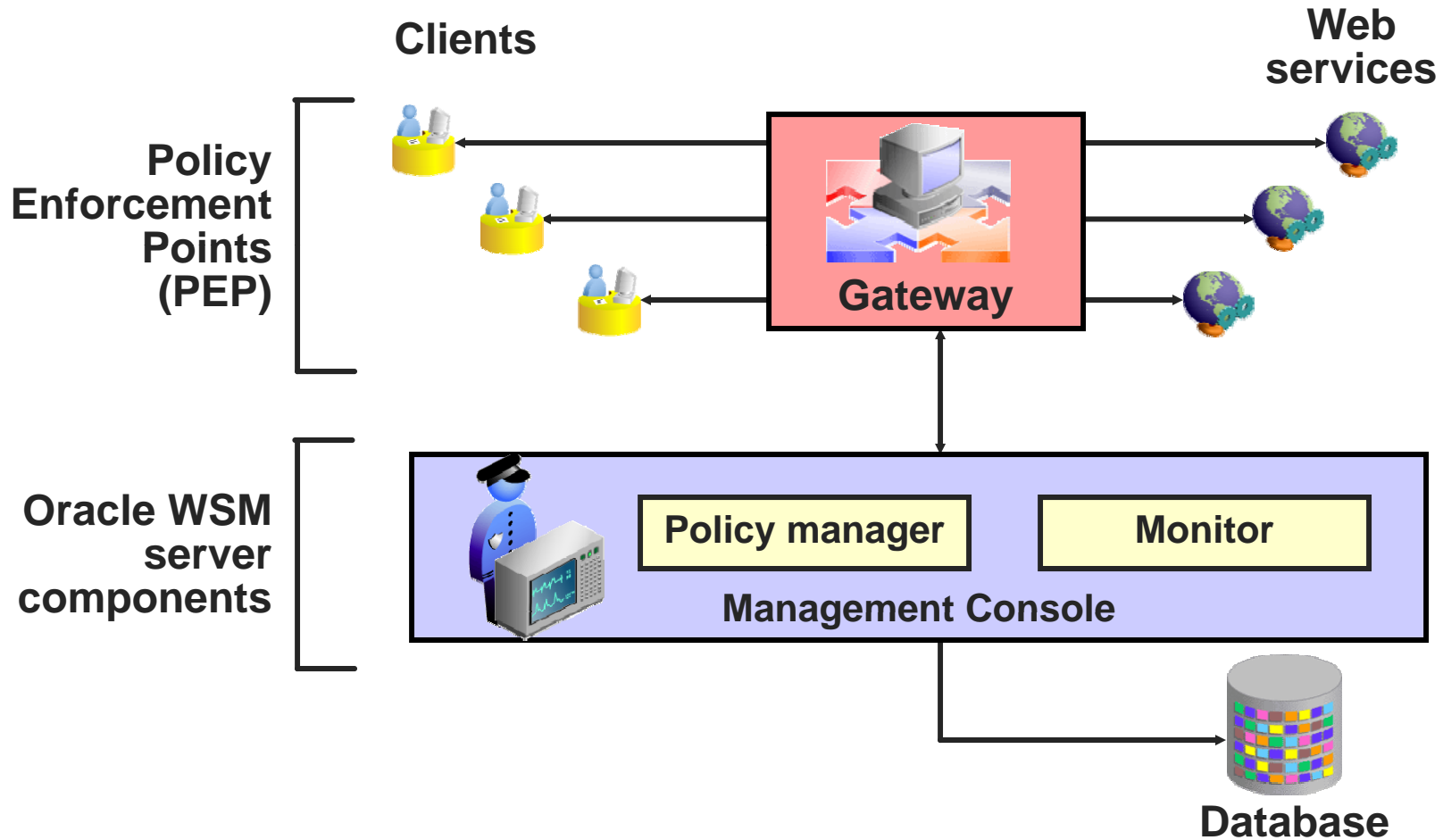


- What does it do?
- What are the main features?
  - No Code Changes!!!
  - Gateway vs Agent
  - Gateway Translations
  - SLAs
  - Encryption, Authentication, and Authorization
    - Encryption Algorithms: AES-128, AES-256, 3-DES
    - Message Digests: MD5, SHA-1
    - Message Structure: XML / SOAP / WS-Security
      - Token Profiles: Basic Authentication, X.509, SAML
    - Message Integrity: XML Signature
    - Message Confidentiality: XML Encryption
    - PKI

# Oracle Web Services Manager Gateway

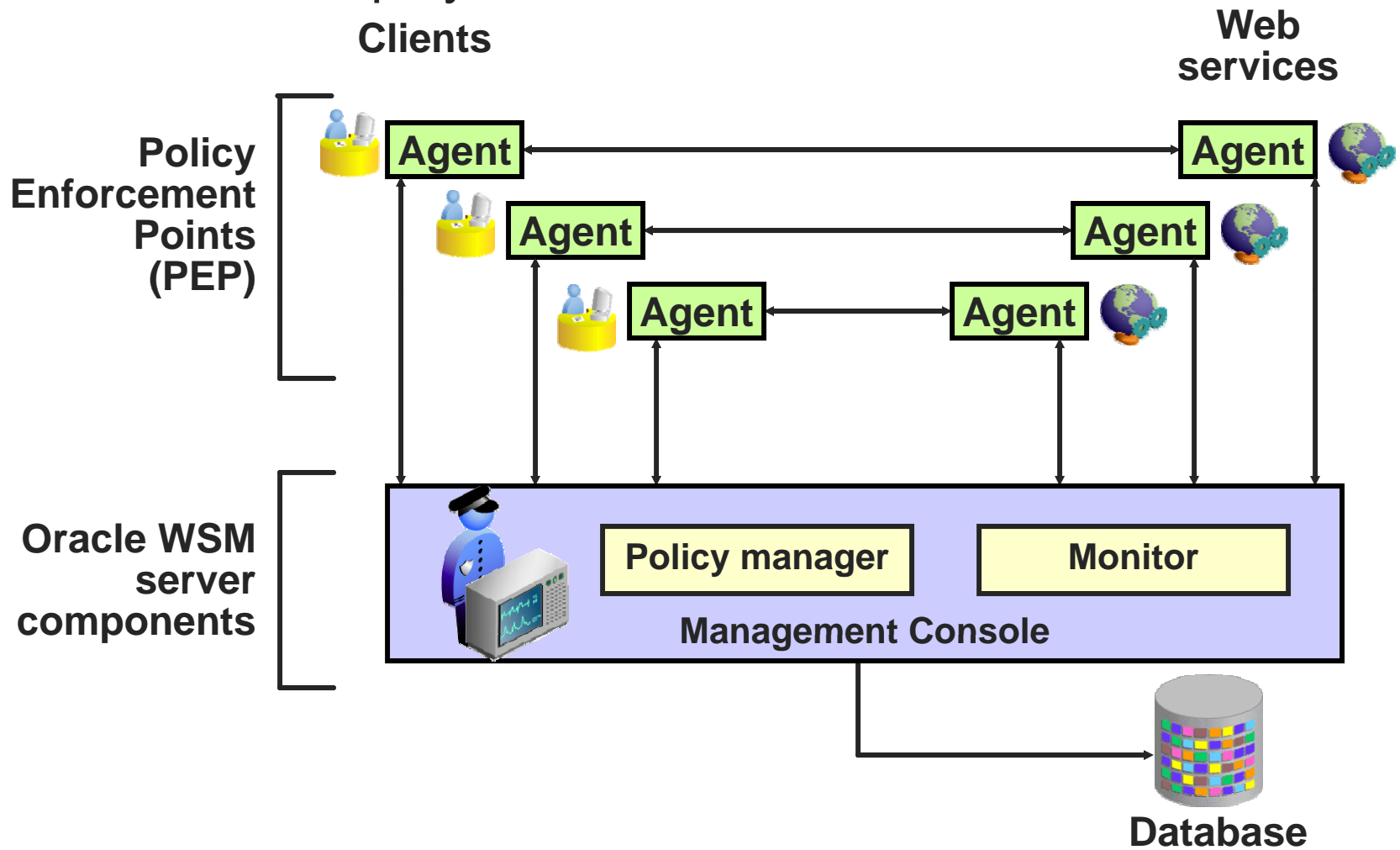


- How is it deployed?



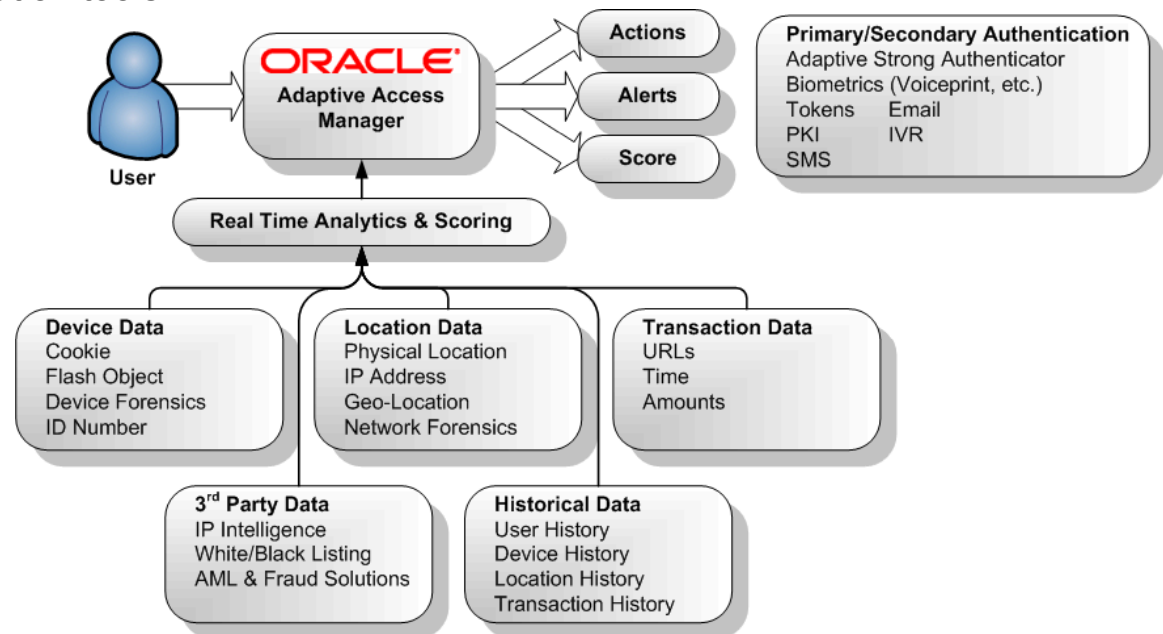
# Oracle Web Services Manager Agents

- How is it deployed?

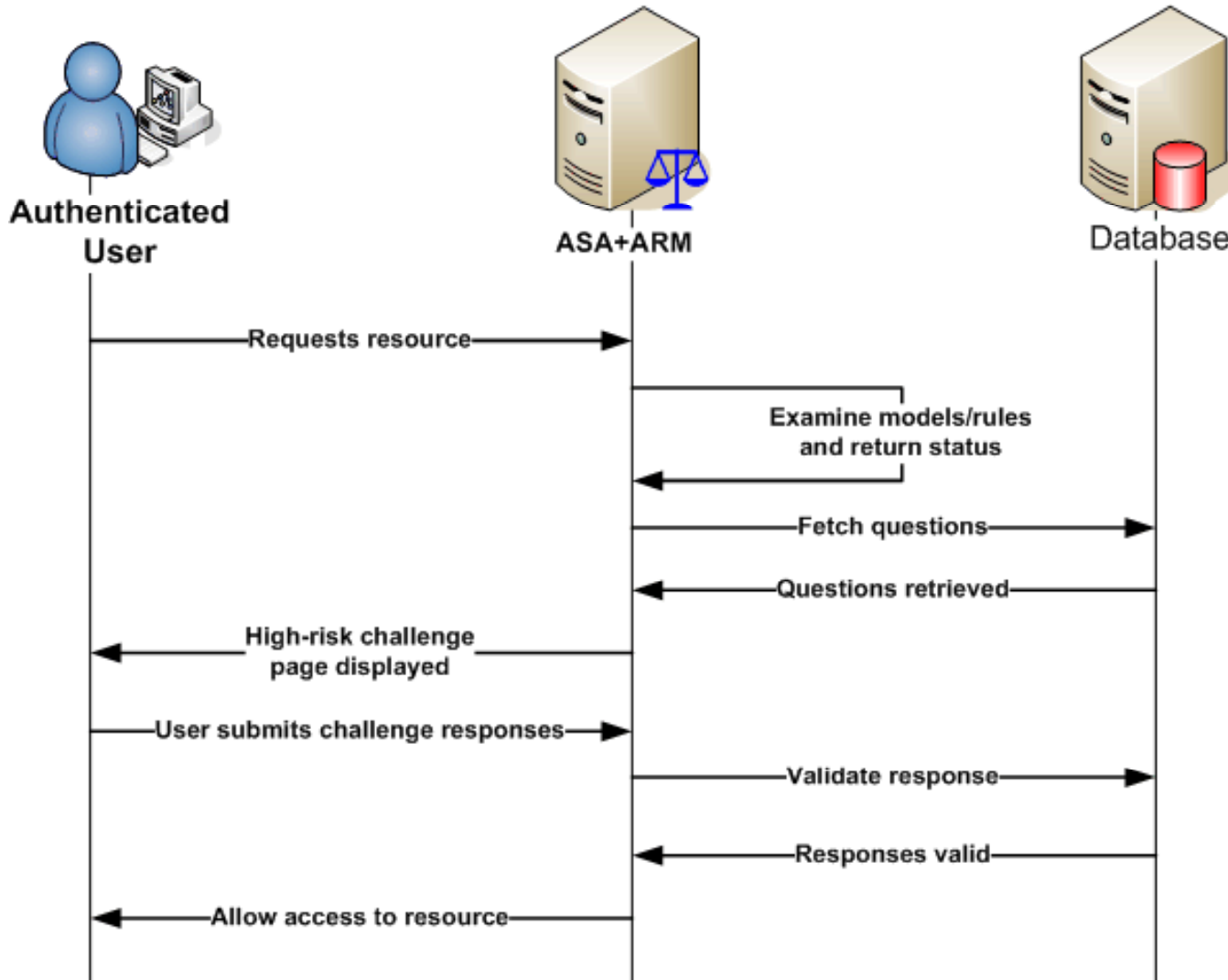


# Oracle Adaptive Access Manager

- What does it do?
- What are the main features?
  - Adaptive Risk Manager and Strong Authenticator
  - Multi-Factor Authentication  
(Something you have, Something you know, Something you are)
  - Profile based on usage patterns: location, device, workflow
  - View user sessions in real time
  - Force secondary challenges to users
  - Many flexible log-in / authentication tools
  - Offline Mode

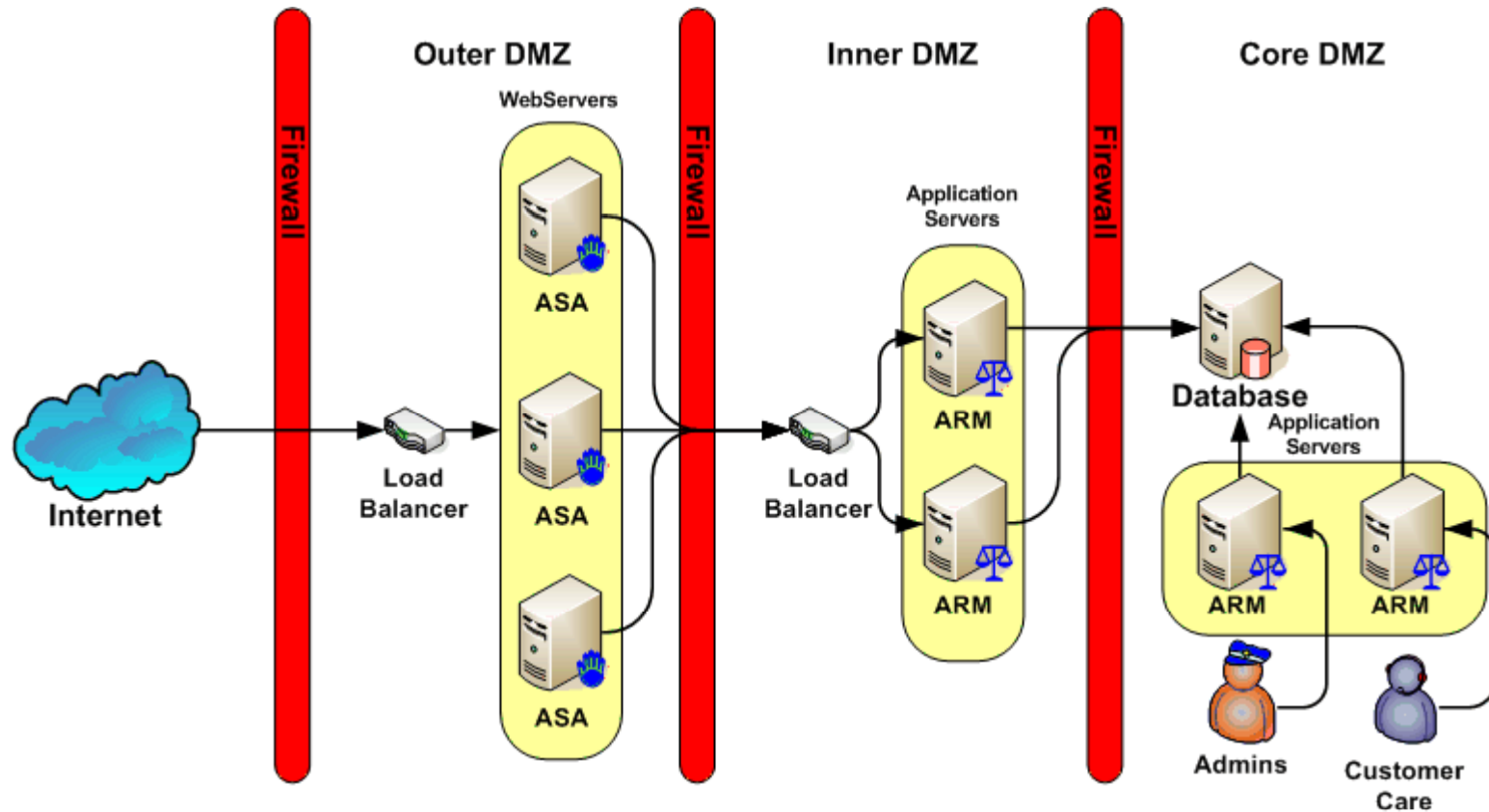


# Challenge



# Oracle Adaptive Access Manager

- How is it deployed?



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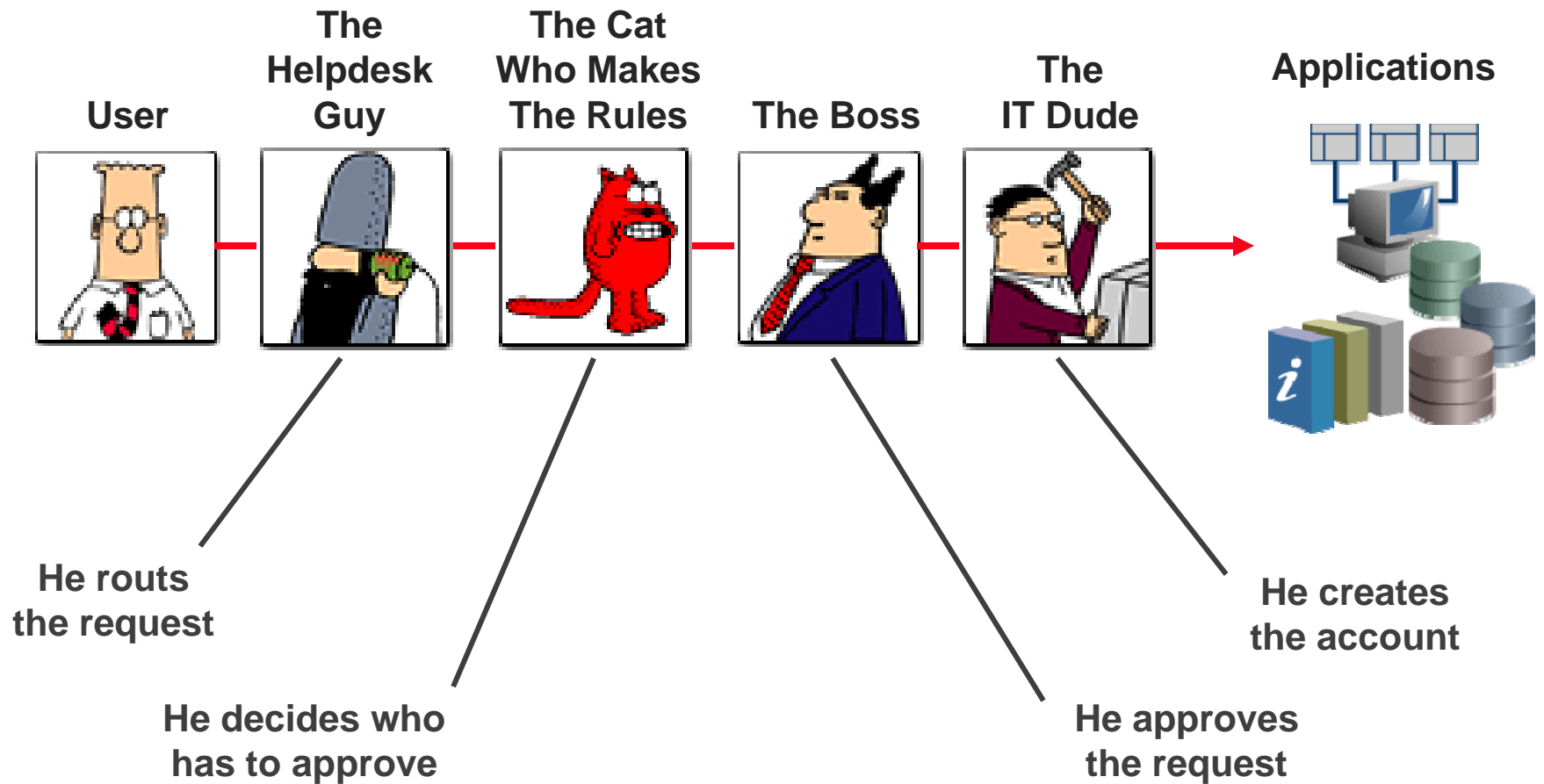
# Oracle Role Manager

- What does it do?



# The Evolution of Identity Management

In The Beginning ... There Was Manual Provisioning

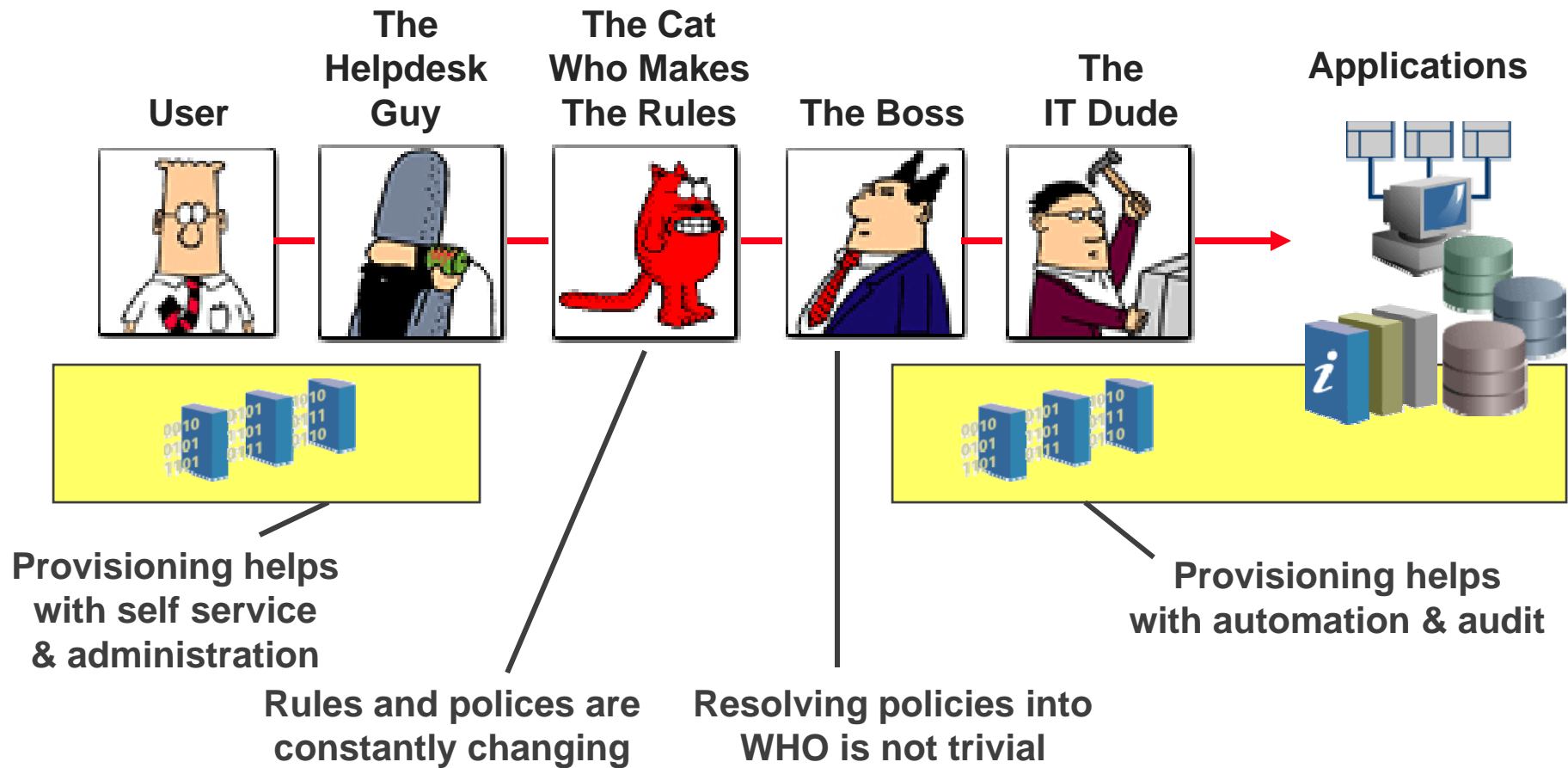


**But The Process Was Hard To Control And Audit .....**



# The Evolution of Identity Management

Then We Added Provisioning Tool .....

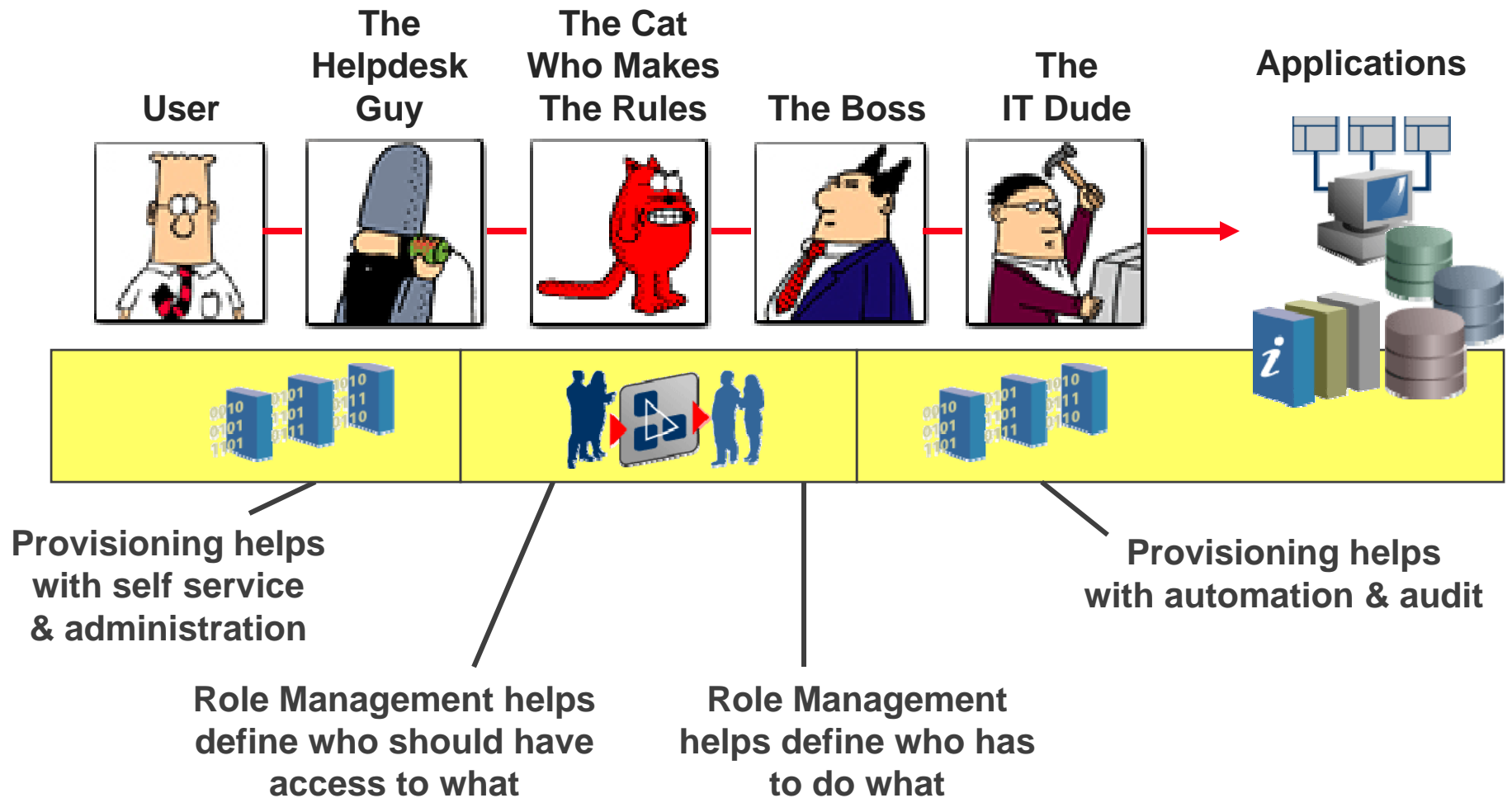


**But Provisioning Tools Are Not “Business Smart” .....**



# The Evolution of Identity Management

Enterprise Role Management Completes The Puzzle



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# Oracle Role Manager



- What are the main features?
  - Role Management
  - Role Mining
  - Hierarchy Management
  - Polyarchy / Relationship Management
  - Reporting, Audit and Compliance

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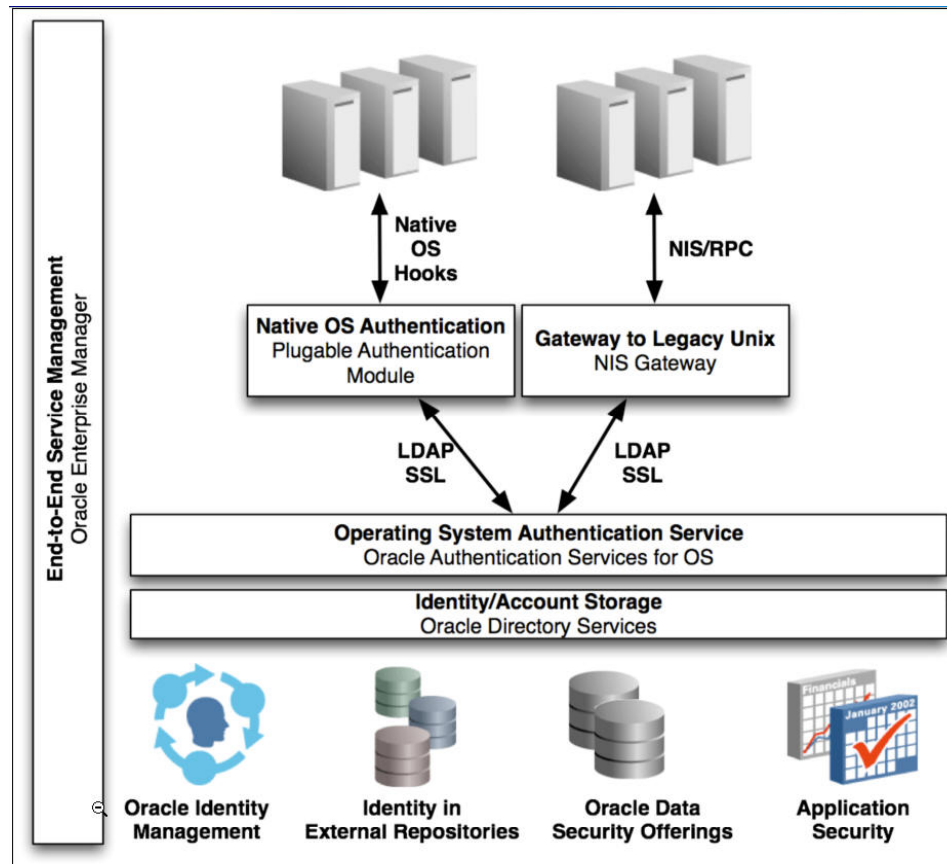
# Oracle Authentication Services for Operating Systems



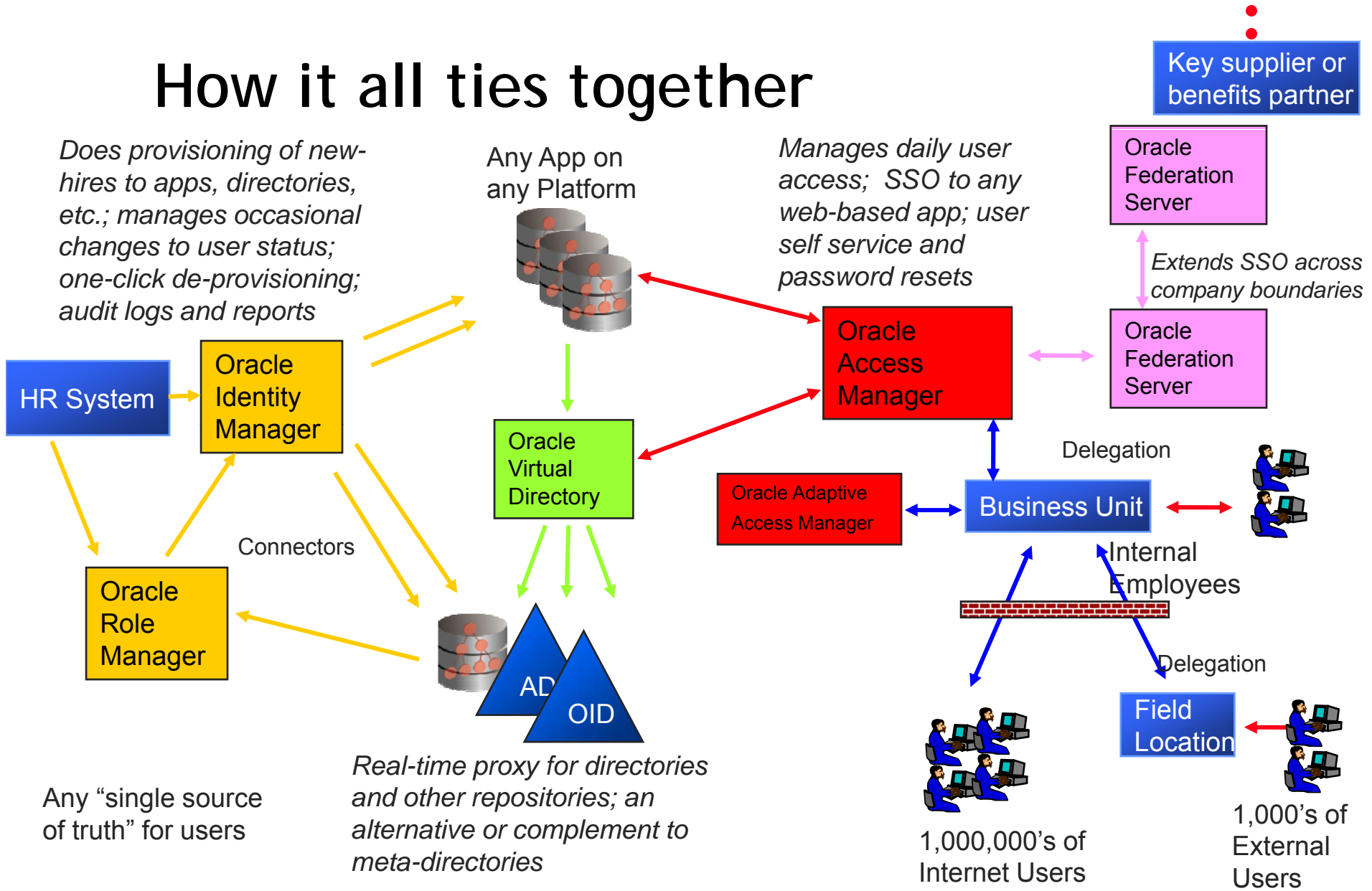
- What does it do?
- What are the main features?
  - Centrally Manage Users, Passwords, Certificates, and Sudo
  - Central Audit Logs
  - SSL Integration
  - All major Unix systems
  - Migration Utilities
- How is it installed?

# Oracle Authentication Services for Operating Systems

- How is it deployed?



# How it all ties together

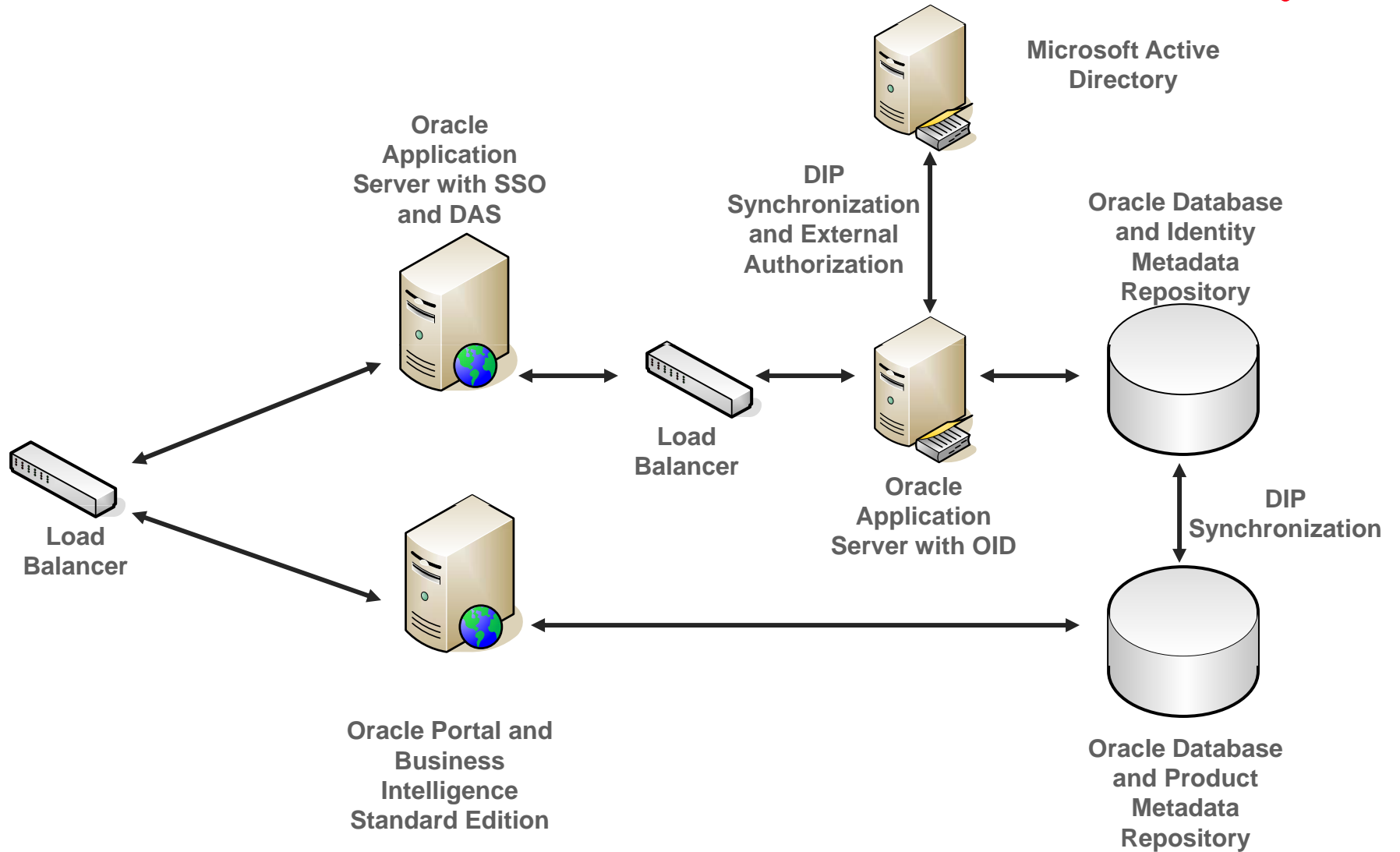


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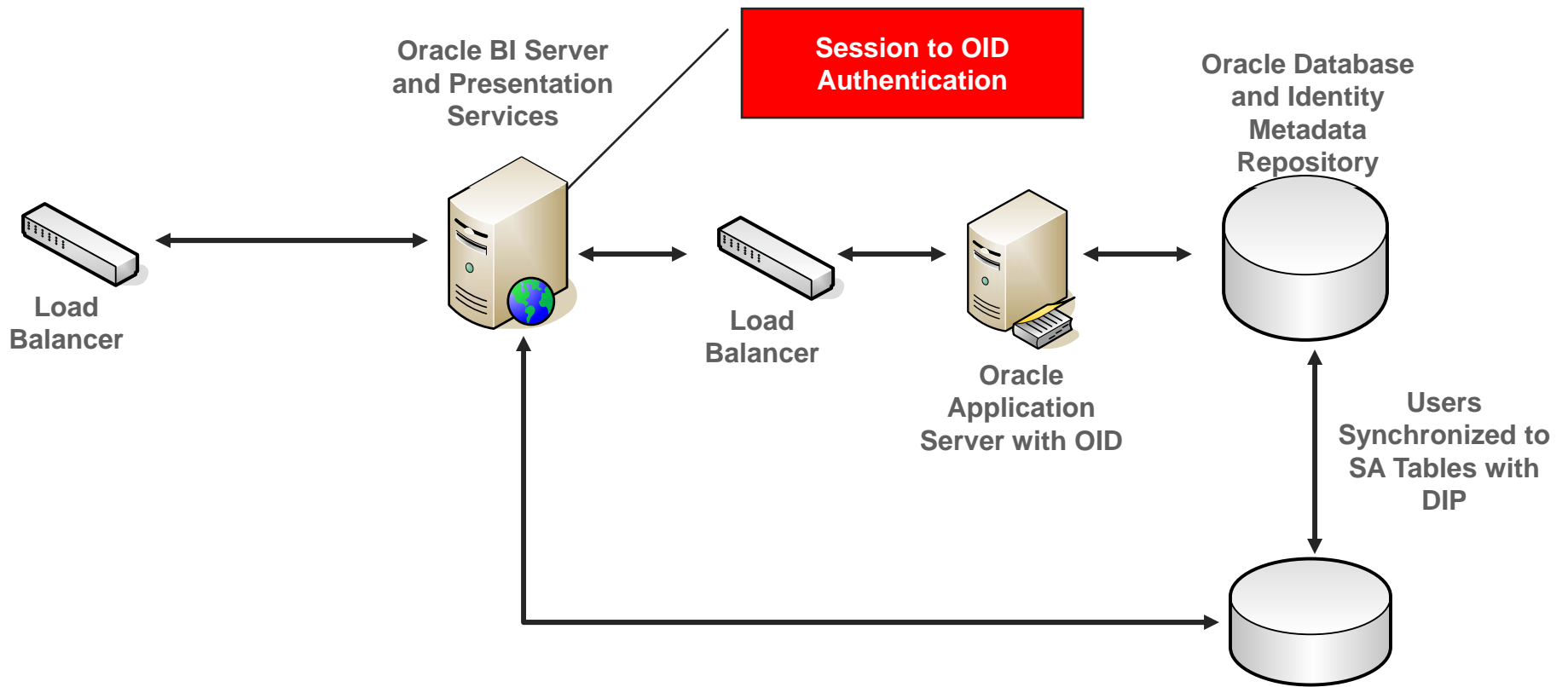
# Oracle Identity Management Deployment Scenarios



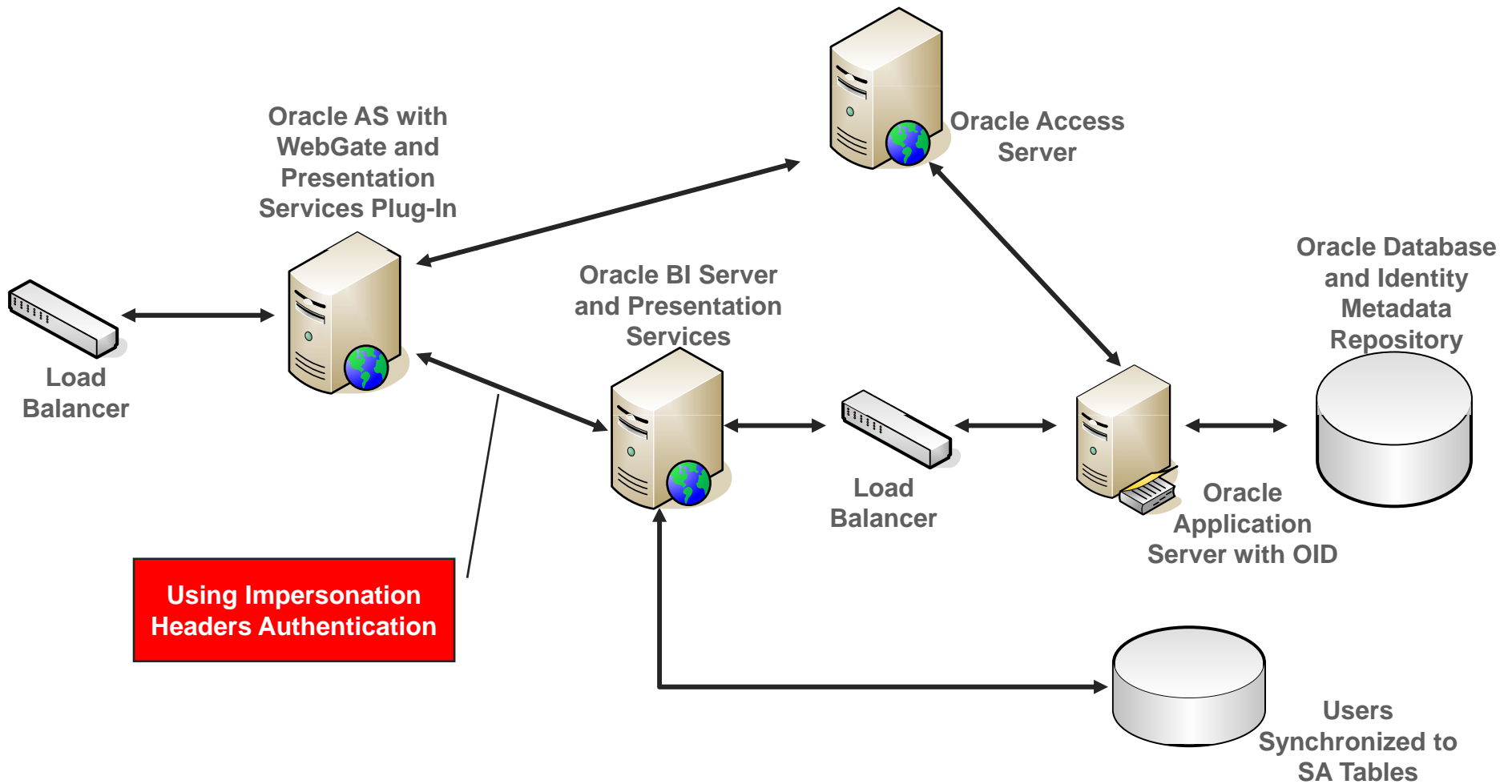
# Oracle Portal Common Deployment Strategy



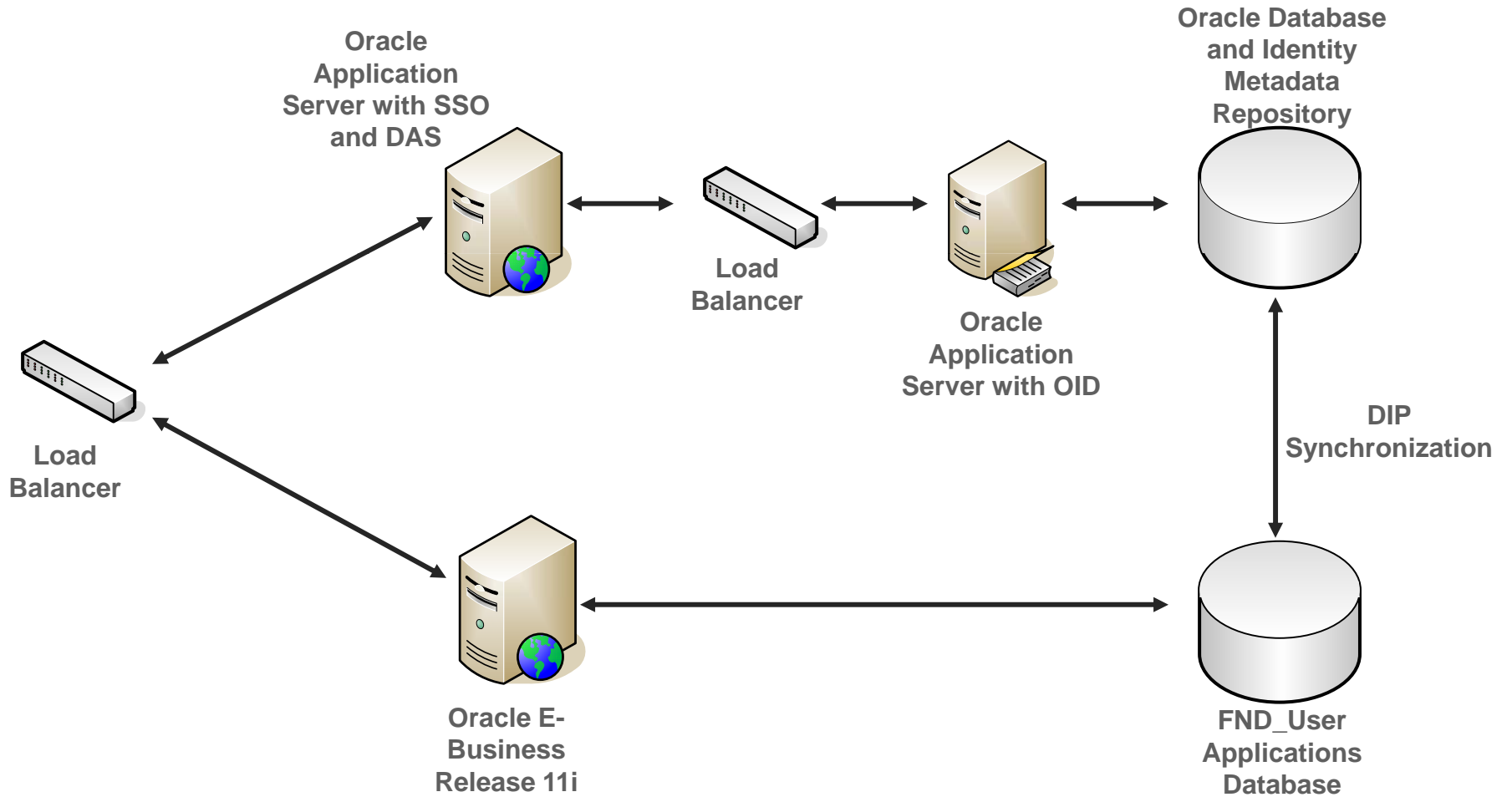
# Oracle Business Intelligence Enterprise Edition Common Deployment Strategy with LDAP / OID Only



# Oracle Business Intelligence Enterprise Edition Common Deployment Strategy with Oracle Access Manager



# Oracle E-Business Suite Common Deployment Strategy



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# Oracle eBusiness Suite



	eBusiness Suite Release			
	11.5.8	11.5.9	11.5.10	12.0
Single Sign-On	●	●	●	●
Oracle Internet Directory	●	●	●	●
Oracle Access Manager			●	●
Oracle Identity Manager			●	●

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# Conclusion



- What is Identity Management?
- What are the Components?
  - For each component:
    - What does it do?
    - What are the features?
    - How is it installed?
- How does it all tie together?
- What common problems does IdM solve?
- Common Deployment Scenarios





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## **Oracle Identity Management The Total Identity Solution**

Dan Norris  
Practice Manager  
Piocon Technologies, Inc.  
[dnorris@piocon.com](mailto:dnorris@piocon.com)

Presentation created by Matt Topper

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