

**ORACLE FUSION MIDDLEWARE**

# **OracleAS 10g Release 2**

## **(10.1.2.0.2)**

### **OHS New Features**

# OHS New Features

- OHS now based on Apache 1.3.31
- OHS standalone versions
  - OHS standalone based on Apache 2.0
  - OHS standalone based on Apache 1.3
- modSecurity
- modPHP
- SSL
  - TLS
  - Global Server ID
  - PKCS #11 (hardware wallets)

# OHS based on Apache 1.3

- Based on Apache version 1.3.31
  - Uses latest release available prior to ship (1.3.31)
  - Includes latest security patches (1.3.33)
  - Policy: Patch-sets include latest Apache security fixes
- Provides NEW standalone installation option
  - Includes all integrated OHS modules

# OHS Based on Apache 2.0

- Based on Apache version 2.0.52
  - Supports Apache 2.0 compatible modules
  - Policy: Patch-sets include latest Apache security fixes
- Standalone version (no integrated version)
  - Does not include mod\_oradav, mod\_dms or mod\_plsql
- Improved performance on Windows OS
- IPv6 support
  - Internet access can be IPv6 or IPv4
  - Can proxy IPv6 to IPv4

# mod\_php

- mod\_php now included with OHS
  - Open source product
  - Information: [www.php.net](http://www.php.net)
- Provides server side scripting
- Most popular Web scripting language
  - Dominant use: Generation of HTML
  - More than 17 million Internet sites use mod\_php

# mod\_security

- mod\_security is an OHS plug-in module
  - Information: [www.modsecurity.org](http://www.modsecurity.org)
  - Available for both OHS based on Apache 1.3 & 2.0
- Provides intrusion detection & prevention
  - An "application firewall"
  - Blocks intrusions against application vulnerabilities
  - Configurable for new threats and specific app issues
  - Alternative to costly application program modification

# New SSL Features

- TLS protocol support
  - TLS is the standards version of SSL
- Support for Global Server ID certificates
  - Example: Verisign Secure Site Pro certificates
  - Allows old browsers to "step-up" to higher levels of encryption
- Support of PKCS #11 hardware tokens

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