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# Securing Oracle E-Business Suite with the Latest Features and Tools

*Great Lakes Oracle Conference*

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Oracle

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# Safe Harbor Statement

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# Program Agenda

- 1 ➤ Securing Your Oracle E-Business Suite Environment
- 2 ➤ Guidelines for Secure Configuration and Auditing
- 3 ➤ Additional Secure Configuration When Running EBS in Oracle Cloud Infrastructure
- 4 ➤ Roadmap

# Program Agenda

- 1 Securing Your Oracle E-Business Suite Environment
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# Oracle E-Business Suite Security

## Documentation

- Security FAQ
  - MOS Note [2063486.1](#)
- Secure Configuration Guides
  - EBS 12.2: *Security Administration Guide, Secure Configuration Chapter*
  - EBS 12.1: [MOS Note 403537.1](#)
- Enabling TLS
  - EBS 12.2: [MOS Note 1367293.1](#)
  - EBS 12.1: [MOS Note 376700.1](#)
- EBS CPUs
  - MOS Note [2484000.1](#)



New

## EBS Security Features

- Secure Configuration Console ✓
  - Tool to assist with secure configuration
  - Easy to see where you are out of compliance
  - Use the console to enable security features or set secure configuration
  - Guidance is provided for items that cannot be turned on via the console
- Allowed Resources ✓
  - Key feature for reducing your attack surface
  - Defines whitelist of allowed resources for Oracle E-Business Suite Release 12.2
  - Prevents access to resources which are not used
- Allowed Redirects ✓
  - Defines whitelist of allowed redirects for Oracle E-Business Suite 12.2

**Enabled by default with Oracle E-Business Suite 12.2.6**

# Secure Configuration Console

# Secure Configuration Console

## Automatic Assessment of Your Environment

Security Core Services Personalization File Manager Portletization **Configuration Manager** Allowed Resources

Configuration Management

**Secure Configuration Console** ☆

**Search**

Name %  
Code  
Critical Level

Config Type  
Status

☒ Include suppressed security configurations

**Go** **Clear**

Check Fix Suppress Unsuppress |







Previous 1-10 Next 10

<input type="checkbox"/>	Details	Status	Severity	Security Guideline	Description	Code	Type
<input type="checkbox"/>		✗	2	<a href="#">Database Password Profiles</a>	Check if secure configuration recommended database profiles have been created in the Oracle E-Business Suite database.	SEC_DB_PSWD_PROF	Manual
<input type="checkbox"/>		✓	1	<a href="#">Workflow Email Link Login</a>	Check whether Oracle Workflow generated emails that reference URLs in Oracle E-Business Suite require additional user authentication (login).	WF_EMAIL_LOGIN	Manual
<input type="checkbox"/>		✓	1	<a href="#">Forms Blocking of Bad Characters</a>	Check whether the Forms blocking of "bad" characters on the web server is active.	FND_FORMS_BLOCK_CHR	Manual
<input type="checkbox"/>		✓	1	<a href="#">Attachment File Type Profiles</a>	Check whether attachment upload profiles are available and set correctly in the system.	FND_MISS_ATT_PROF	Manual
<input type="checkbox"/>		✓	1	<a href="#">Diagnostic Web Pages Protected</a>	Check whether diagnostic web page protection is configured.	DIAG_WEB_PAGE_PROTEC	Manual
<input type="checkbox"/>		✓	1	<a href="#">Critical Security Profile Values</a>	Check whether critical security profile values are set correctly.	FND_PROF_ERRORS	Autofixable
<input type="checkbox"/>		✓	1	<a href="#">PUBLIC Privileges</a>	Check whether the PUBLIC role privileges are restricted.	FND_APPS_IND_PUBLIC	Manual
<input type="checkbox"/>		✓	1	<a href="#">ModSecurity Configuration</a>	Check whether ModSecurity on the web server is active.	FND_MOD_SEC	Manual
<input type="checkbox"/>		✓	1	<a href="#">Clickjacking Protection</a>	Check whether clickjacking protection is configured.	CLICKJACK_PROTECTION	Manual
<input type="checkbox"/>		✓	1	<a href="#">Missing Server Security Profile</a>	Check whether Site level security profiles are available in the system.	FND_MISS_PROF	Manual

- Review and implement secure configuration recommendations from a dashboard
- Access via the “Functional Administrator” responsibility, “Configuration Manager” tab
- Check your configuration
- Automatically configure items that are out of compliance
- Checks are assigned a severity level
- Suppress checks that are not relevant to your system

# Secure Configuration Console

## Details: Failed Configuration

<input type="button" value="Check"/>		<input type="button" value="Configure"/>	<input type="button" value="Suppress"/>	<input type="button" value="Unsuppress"/>	 	
<input type="checkbox"/>	<b>Details</b>	<b>Security Guideline</b> 			<b>Description</b>	
<input type="checkbox"/>		<a href="#">Application Users Default Password</a>			Check whether all application users default passwords have been changed to non-default	
Failed. This check has identified that some application users have default passwords. You should change application user passwords from defaults. obtained from /u01/R122_EBS/fs1/inst/apps/au64xb10_rws3260128/logs/adminsecuritycfg_25_07_2016_08_56.log ]						
<input type="checkbox"/>		<a href="#">Database Users Default Passwords</a>			Check whether all database users default passwords have been changed.	
<input type="checkbox"/>		<a href="#">APPLSYSPUB Privileges</a>			Check whether APPLSYSPUB privileges are properly restricted.	

# Secure Configuration Console

## Security Guideline Details

Security Guideline Details
<b>Security Guideline</b>
Application Users Default Password
<b>Description</b>
Check whether all application users default passwords have been changed to non-default values.
<b>Detailed Info</b>
<p>This check will list the default (seeded) applications users that still have their default passwords. You should change all the default passwords, even if the user is end dated.</p> <p>Note that this will not list shipped accounts that cannot be used for login (disabled/end dated accounts).</p> <p>Refer to the following for additional information:</p> <ul style="list-style-type: none"><li>• Oracle E-Business Suite Security Guide, Release 12.2 &gt; Oracle E-Business Suite Security &gt; Authentication &gt; Change Passwords for Seeded Application User Account</li></ul>

# Secure Configuration Console

## Security Checks

- 1 Default application users passwords have been changed to non-default values
- 2 Attachment upload profiles are available and set correctly
- 3 Critical profile values are set correctly
- 4 Default database users default passwords have been changed to non-default values
- 5 Forms blocking of bad characters on the web server is active
- 6 Site level security profiles are available in the system

- 7 ModSecurity on the web server is active
- 8 Serversecurity (Secure Flag in DBC file) is enabled
- 9 Allowed Redirects feature is enabled
- 10 APPLSYSPUB privileges are properly restricted
- 11 Auditing profiles are set
- 12 Cookie Domain scoping is configured
- 13 Application user passwords have been migrated to hashed passwords
- 14 HTTPS is enabled

# Secure Configuration Console

## 10 Additional Checks for a Total of 24 Checks

- 15 Clickjacking protection is configured
- 16 Diagnostic web page protection is configured
- 17 PUBLIC role privileges are restricted
- 18 Oracle Workflow generated emails that reference URLs in EBS require additional user authentication
- 19 Allowed Resources feature is enabled
- 20 Required whitelist configuration for the allowed resources feature is correct and up-to-date
- 21 Recommended Database initialization parameters have been set
- 22 Database profiles have been created in the EBS database for password management
- 23 iRecruitment file upload security profile value is set
- 24 Oracle Workflow Admin access is restricted

**Oracle E-Business Suite Security Guide Release 12.2**

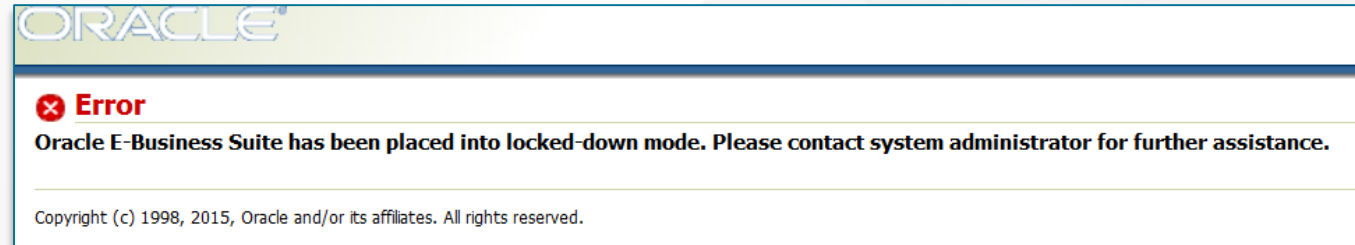
# Backport to Oracle E-Business Suite 12.1.3 with Patch 26090737

- Review and implement secure configuration recommendations from a dashboard
- Performs 23 secure configuration checks
- Configures items that are out of compliance
- Suppress checks that are not relevant to your system
- System is locked down after application of patch 26090737

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# Secure Configuration Console

## Configure or Acknowledge and Accept Warnings



Please select the appropriate option below:

☐ I am done with the Security Configurations

☐ Ignore the Security Configurations

By Clicking this Button you Agree that you have reviewed the current security configurations and are willing to Unlock EBS for normal usage.

Note: Your system will be locked down until the system administrator configures or acknowledges the recommended security configurations.

# Allowed JSPS/Resources

# History of Allowed JSPs / Resources

- Allowed JSPs introduced in E-Business Suite 12.2.4
  - Enabled by default in E-Business Suite ATG 12.2.6
- Rebranded to Allowed Resources in 12.2.6+ with the following patches:
  - ENABLE ALLOWED RESOURCES (24737426:R12.FND.C)
    - This patch will turn the Allowed Resources feature ON.
  - ATG 12.2.6 (21900895:R12.ATG\_PF.C.DELTA.6)
  - TKX Delta 9 (25180736:R12.TXK.C.DELTA.9)
- User interface and configuration metadata stored in the database in E-Business Suite ATG 12.2.7

# Feature Overview of Allowed Resources

## Principles

- Defines **whitelist** of web allowed resources
  - A whitelist is an explicit list of items that are allowed for access
- Enhancements to Allowed JSPs feature
  - Whitelist resources including servlets and JSPs
- Prevents access to resources which are not used
- Enables configuration of actively allowed resources to avoid unnecessary exposure
- Allows custom resources to be defined in the list of allowed resources

# Feature Overview of Allowed Resources

## What Additional Features are Available?

- Metadata now stored in the database (not in configuration files)
- New user interface
- With configuration metadata stored in the database, allowed resources configuration will be preserved when upgrading and patching
- Whitelist configuration recommendations are provided based upon products used and underlying resource usage
- Utilities to identify custom resources and populate usage data

# Configuration Overview of Allowed Resources

## 3 Levels of Granularity for Configuring Access

- If you are not using any products in a particular product family, ensure that the **Enabled** check box is not selected in the Details section of the Product Family Configuration page.
- To restrict access at the product level, deny access to the appropriate product-level resources on the **Product Details** tab in the Product and Common Resources section.
- To restrict access at the individual resource level, deny access to the resources in question by drilling down to the **Resource Details** or denying access in **Common Resources** tab.

# User Interface for Allowed Resources

Security Core Services Personalization File Manager Portletization Configuration Manager **Allowed Resources**

**Allowed Resources Management**

- Advanced Planning
- Applications Technology
- Channel Revenue Management
- Custom
- Human Resources
- Master Data Management
- Order Management & Logistics
- Procurement
- Projects
- Sales, Marketing and eCommerce
- Service
- Supply Chain Management**

**Product Family Configuration**

Use this page to configure the allowed resources for products within this family.

**Details**

Name : Supply Chain Management Enabled : ☒

Code : SCM

Apply

**Product and Common Resource Details**

Product Details Common Resources

Name ▲	Code ▲	Licensed ▲	Web Activity ▲	Transaction Data ▲	Recommendation ▲	Access
E-Records	EDR	✓	...	...	Not sufficient data	Allow ▼
Installed Base	CSI	✓	...	...	Not sufficient data	Allow ▼
Site Management	RRS	✓	...	...	Not sufficient data	Allow ▼

UI is accessible via the Functional Administrator responsibility → Functional Administrator page → Allowed Resources tab

Easily allow or deny access to products and underlying resources

A family name may be selected from the left menu to view the Product Family Configuration

# User Interface for Allowed Resources

Security Core Services Personalization File Manager Portletization Configuration Manager **Allowed Resources**


**Allowed Resources Management**

- Advanced Planning
- Applications Technology
- Channel Revenue Management
- Custom
- Human Resources
- Master Data Management
- Order Management & Logistics
- Procurement
- Projects
- Sales, Marketing and eCommerce
- Service
- Supply Chain Management**


**Product Family Configuration**

Use this page to configure the allowed resources for products within this family.





**Details**

Name : Supply Chain Management    **Enabled :** ☒    

Code : SCM

**Product and Common Resource Details**    

**Product Details**    **Common Resources**

Name ▲	Code ▲	Licensed ▲	Web Activity ▲	Transaction Data ▲	Recommendation ▲	Access
<a href="#">E-Records</a>	EDR	✓	Not sufficient data	Not sufficient data	Not sufficient data	Allow ▾
<a href="#">Installed Base</a>	CSI	✓	Not sufficient data	Not sufficient data	Not sufficient data	Allow ▾
<a href="#">Site Management</a>	RRS	✓	Not sufficient data	Not sufficient data	Not sufficient data	Allow ▾

## Details section

Enabled check box indicates whether or not the product family resources are used and allowed.

## Product and Common Resources Details Section


Use this section of the page to configure products.

# User Interface for Allowed Resources

Product and Common Resource Details → Product Details tab

**Product and Common Resource Details**

**Product Details** Common Resources

Apply Revert |     ▼

Name ▲	Code ▲	Licensed ▲	Web Activity ▲	Transaction Data ▲	Recommendation ▲	Access
<a href="#">E-Records</a>	EDR	✓	---	---	Not sufficient data	Allow ▼
<a href="#">Installed Base</a>	CSI	✓	---	---	Not sufficient data	Allow ▼
<a href="#">Site Management</a>	RRS	✓	---	---	Not sufficient data	Allow ▼

# Allowed Redirects

# Feature Overview for Allowed Redirects

## Principles

- Provides “*defense-in-depth*” protection against phishing redirect attacks
- Defines **whitelist** of allowed redirects for Oracle E-Business Suite 12.2
  - A whitelist is an explicit list of hosts that are allowed for redirects
- Prevents redirects that are not listed as allowed
- Enables configuration of allowed redirects to avoid unnecessary exposure
- Allows custom redirects to be defined in the list of allowed redirects
- Allows **all redirects by default**

Oracle E-Business Suite Security Guide Release 12.2

# Which Redirects Should Be Allowed?

## Configuration You Need to Add to the Configuration File

- Oracle E-Business Suite iProcurement with Punchout
  - Add host or domain entry for each Punchout site
- Oracle E-Business Suite Configurator integration with Agile or Siebel using Oracle Application Integration Architecture
  - Add host or domain entry for each integration point
- Identity Cloud Service (IDCS) integration for single sign-on
- Any custom redirects used in your environment

**Oracle E-Business Suite Security Guide Release 12.2**

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- 4 ➤ Roadmap

# How to Deploy Oracle E-Business Suite Securely

## Follow Our Secure Configuration Guidelines

- Secure Configuration Guide for Oracle E-Business Suite
  - Previously known as “Best Practice” documents
  - Release **12.2**, *Security Administration Guide, Secure Configuration Chapter*
  - Release **12.1**, MOS Note **403537.1**
- Secure Configuration Scripts
  - *Security Configuration and Auditing Scripts for Oracle E-Business Suite*, MOS Note **2069190.1**

# How to Deploy Oracle E-Business Suite Securely

## Follow Our Development Standards

- Developing and Deploying Customizations in Oracle E-Business Suite Release 12.2 (MOS Note 1577661.1)
- Guidance for Integrating Custom and Third-Party Products with Oracle E-Business Suite Release 12.2 (MOS Note 1916149.1)
- Guidance for Providing Access to the Oracle E-Business Suite Database for Extensions and Third-Party Products (MOS Note 2327836.1)



New

# How to Deploy Oracle E-Business Suite Securely

## Stay Current with Patching

- Review the Critical Patch Updates Advisory Page on a quarterly basis  
<http://www.oracle.com/technetwork/topics/security/alerts-086861.html>
- Review the Latest CPU document for Oracle E-Business released with CPU,
  - Covers Oracle E-Business Suite Release 12.1 and 12.2
  - Apply to Oracle E-Business Suite
  - Apply to Oracle E-Business Suite technology stack

**MOS Note 2270270.1**

# How to Deploy Oracle E-Business Suite Securely

## Stay Current with Latest Oracle E-Business Suite Code

- Update to the latest release or release update pack
  - Yes, Oracle E-Business Suite releases and release updates improve security as well
- Release Upgrade
  - Oracle E-Business Suite Release 12.2.8
  - Oracle E-Business Suite Release 12.1.3 + Recommended Patch Collection 5

**Oracle E-Business Suite 12.2 Information Center: [MOS Note 1583092.1](#)**

# Oracle E-Business Suite DMZ Features

## Reduce Attack Surface

- Limited number of Oracle E-Business Suite products certified for internet
- External Oracle E-Business Suite application tier access limited by setting **Node Trust Level**
- Responsibilities available for external use only upon configuration
- URL Firewall exposes only the pages that are required

**EBS 12.2: 1375670.1, EBS 12.1: 380490.1**

# Feature Overview for Cookie Domain Scoping

## Principles

- Reduces the attack surface of Oracle E-Business Suite
- Provides additional protection for communication between the browser and the Oracle E-Business Suite web tier
- Provides the ability to define the scope for cookie sharing to avoid unnecessary exposure
- Allows for a custom scope to be defined

**Oracle E-Business Suite Security Guide Release 12.2**


# Enable Auditing and Logging

- Detect suspicious activity and attacks
  - Investigate incidents after an attack
  - Adhere to compliance standards (SOX, HIPAA, PCI-DSS)
  - Implement business process monitoring and controls
  - Debug application problems
  - Performance monitoring
- Scripts are available
    - Review MOS Note 2069190.1, *Security Configuration and Auditing Scripts for Oracle E-Business Suite*
    - Setup notification for updates to this MOS Note
  - Download EBSAuditScripts.zip
    - Contains multiple SQL scripts
    - Validate audit configuration
    - Query audit tables
    - Configure database auditing

**Oracle E-Business Suite Security Guide Release 12.2, Auditing and Logging Chapter**

# Implement or Migrate to TLS 1.2

## For Oracle E-Business Suite Inbound, Outbound and Loopback Connections

- Oracle E-Business Suite Release 12.2 and 12.1 Certified with TLS 1.2
- For EBS 12.2, enable TLS for the WLS Admin Port
- Optional Configurations
  - Configuring “TLS 1.2 Only”
  - Disabling HTTP Port
  - Enabling HTTP Strict Transport Security (HSTS) 
  - Enabling TLS from Oracle HTTP Server (OHS) to Application Server (OC4J / WLS)

**EBS 12.2: 1367293.1, EBS 12.1: 376700.1**

# What's New with Oracle E-Business Suite Security?



## EBS Secure Configuration

1. Nosniff
2. HTTPOnly Cookie Flag
3. HTTP Strict Transport Security (HSTS)
4. Elliptic Curve Cryptography
5. Lockdown WLS Traffic  
Encrypt WLS Admin Port

## Defense Against

1. Meltdown/Spectre
2. Cross-site scripting (XSS)
3. Man-in-the-middle attacks
4. TLS cipher attacks
5. WLS attacks

# Features for HTTP Headers

- **Nosniff** - Header response code that prevents browsers from "reinterpreting" the mime type of a file
  - Available for all EBS 12.2.x releases and EBS 12.1.3
  - Apply October 2018 CPU, *Oracle E-Business Suite Release 12 Critical Patch Update Knowledge Document (October 2018)* (Doc ID 2445688.1)
- **HTTPOnly Cookie Flag** - EBS session (aka ICX session) cookie cannot be accessed from browser via script/code
  - Available for all EBS 12.2.x releases
    - Apply R12.ATG\_PF.C.DELTA.7 (24690680)
    - Enable Java Web Start, *Using Java Web Start with Oracle E-Business Suite* (Doc ID 2188898.1)
  - Backport in progress EBS 12.1.3

## Features for HTTP Headers

- **HTTP Strict Transport Security (HSTS)** - specifies a time period that browsers will communicate using only HTTPS
  - Optional configuration available for all EBS 12.2.x releases and EBS 12.1.3
  - Deployment recommendations:
    - This feature should be configured at the TLS termination point (for example: Oracle HTTP Server (OHS), Load-balancer)
    - Either use the default HTTPS port (443) or specify the HTTPS port in all URLs
    - When testing HSTS, start the configuration using short time periods

**EBS 12.2: 1367293.1, EBS 12.1: 376700.1**

# Recent Certificate Certifications for EBS 12.2 and 12.1.3

- Elliptic Curve Cryptography
  - Elliptic Curve Cryptography supports both forward secrecy and stronger cipher suites
  - Apple's [App Transport Security](#) mandates forward secrecy, and we expect this to be a requirement for mobile clients
- Subject Alternative Name (SAN) & Wildcard Certificates
  - Use of the SAN field in a certificate request (CSR) allows you to specify multiple host names to be protected by a single public key certificate
  - Use of SAN will also allow for using a single certificate for multiple domains.
  - Wildcard Certificates can be used with multiple sub-domains of a domain

# Lockdown WebLogic Server (WLS) Traffic

## Oracle E-Business Suite 12.2.x

- Apply April 2019 CPU
  - *Oracle E-Business Suite Release 12 CPU Knowledge Document (April 2019) (Doc ID 2514102.1)*
- Allow Direct Access to WLS from Trusted Hosts
  - Trusted hosts include known web entry points via the Oracle HTTP Server (OHS)  
Note: You will need to add trusted hosts for administrative access to WLS Admin Console
- Disable Web Services Atomic Transactions
  - Disables protocol not required by EBS
  - Perform required configuration steps as per the documentation

**Oracle E-Business Suite 12.2 Setup Guide,  
Technical Configuration → Managing Configuration of Web Application Services**

# Lockdown WebLogic Server (WLS) Traffic

Oracle E-Business Suite 12.2.x – April 2019 CPU Configuration

## Configuration Required for WLS Administration Console Access

- Use the context variable `s_wls_admin_console_access_nodes` to add trusted hosts used by administrators that require access to the Oracle WebLogic Server Administration Console

**OR**

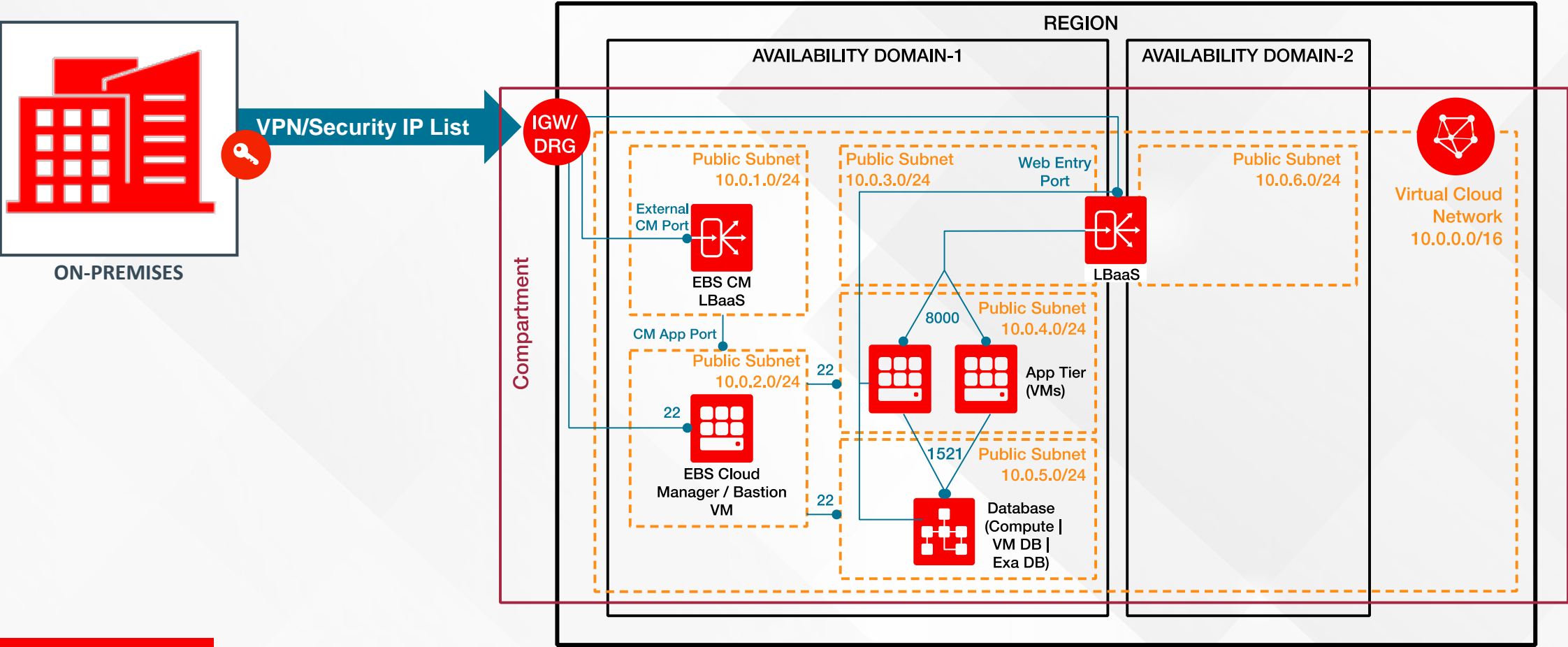
- Establish an SSH tunnel from the client (administrator) in order to access the Oracle WebLogic Server Administration Console

# Program Agenda

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# Oracle E-Business Suite on Oracle Cloud Infrastructure

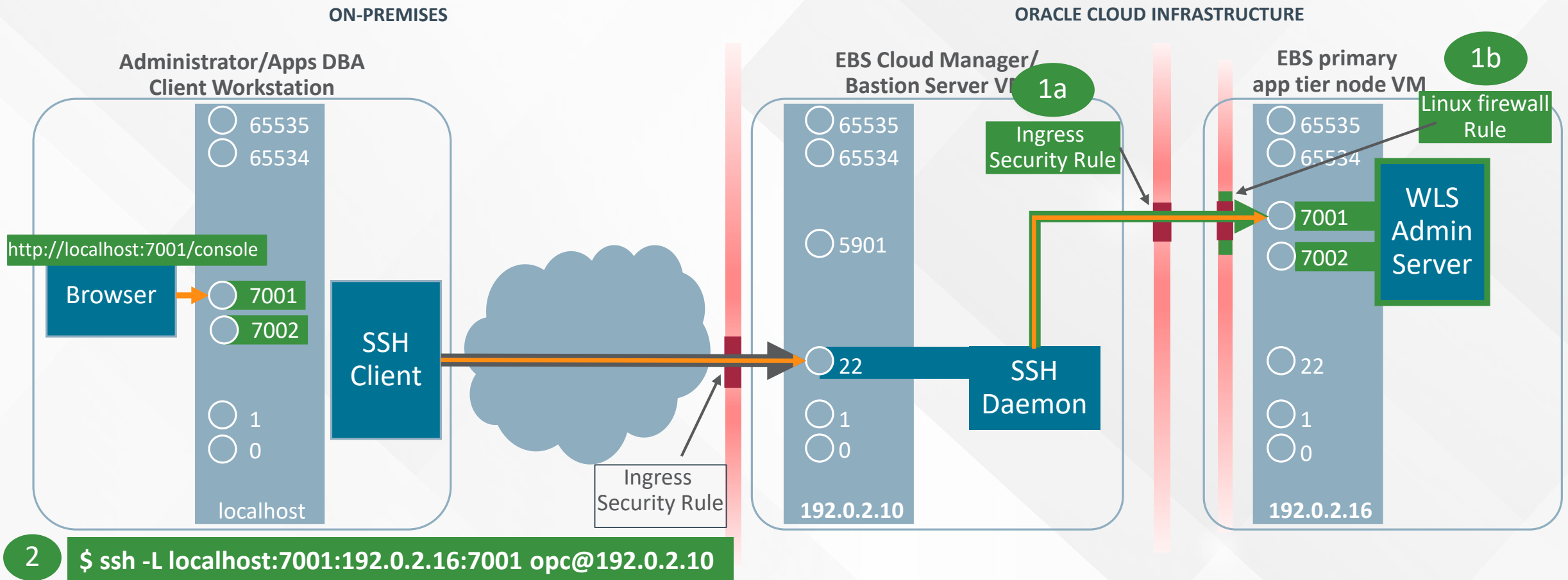
## Defining Network Resources



New

# Guidance for Securing Admin Traffic

## FMW Control and WLS Admin Console (WLS Admin Port)



# Guidance for Securing Admin Traffic

## FMW Control and WLS Admin Console (WLS Admin Port)

### 1 Perform one-time configuration

Go to the following OBE to configure the required security and firewall rules

*Performing Post-Provisioning and Post-Cloning Tasks for Oracle E-Business Suite on Oracle Cloud Infrastructure*

For every Oracle E-Business Suite environment on OCI, perform the steps listed in the following section

*Configure Security and Firewall Rules for Secure Access to the Fusion Middleware Control and WebLogic Server*

### 2 Repeat setup per every new client connection

Go to the following OBE and perform the instructions to establish an SSH tunnel from the client

*Accessing the Fusion Middleware Control and WebLogic Server Administration Console with SSH Port Forwarding for Oracle E-Business Suite on Oracle Cloud Infrastructure*

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# Oracle E-Business Suite Security

- Oracle E-Business Suite Release 12.1.3
  - Backport Allowed Resources Feature
- Oracle E-Business Suite Release 12.2 and Release 12.1
  - Ongoing updates to documented security guidelines (e.g., DB Access Control List)
  - Add more Secure Configuration Console checks (e.g., Default WLS Admin password)
  - Improve recommendations based upon activity for Allowed Resources
  - Automate configuration of resource level lockdown for Allowed Resources

# Allowed Resources – Resource Administration

## Ease of Configuration – Deny All Resources Not Accessed

**Resource Administration**

2677  
Allowed - but Never Accessed

95  
Allowed - Sorted by Last Access Date

95  
Allowed - Sorted by Access Count

2772  
Allowed Resources

4  
Denied Resources

2776  
All Resources

New Search Hide Filters Table Diagnostics

**Filters**

Resource Name  
is ▼

Resource Type  
is ▼

Go Save Add ▼

Deny DenyAll Export Actions ▼ 🔍 📄

◀ Previous 1 - 20 ▼ Next 20 ▶

<input type="checkbox"/> Resource Name ▲	Resource Type ▲
<input type="checkbox"/> /OA_HTML/APECCTableActionsPost.jsp	SSWA Jsp
<input type="checkbox"/> /OA_HTML/APTableActionsPost.jsp	SSWA Jsp
<input type="checkbox"/> /OA_HTML/AppsPwdChange	SSWA Servlet Uri
<input type="checkbox"/> /OA_HTML/AsiZipDownloadControl	SSWA Servlet Uri
<input type="checkbox"/> /OA_HTML/AuthenticateUser	SSWA Servlet Uri
<input type="checkbox"/> /OA_HTML/BiExport	SSWA Servlet Uri
<input type="checkbox"/> /OA_HTML/BarCodeImageServlet	SSWA Servlet Uri

# Allowed Resources – Resource Administration

## Ease of Configuration – See All Resources Used

**Resource Administration**

2677  
 Allowed - but Never Accessed

95  
 Allowed - Sorted by Last Access Date

95  
 Allowed - Sorted by Access Count

2772  
 Allowed Resources

4  
 Denied Resources

2776  
 All Resources

New Search Hide Filters Table Diagnostics

**Filters**

Resource Name  
is

Resource Type  
is

Last Access Date  
is

Access Count  
is

**Go** **Save** **Add**

<input type="checkbox"/>	Resource Name <sup>△</sup>	Resource Type <sup>△</sup>	Access Count <sup>△</sup>	First Access Date <sup>△</sup>	Last Access Date <sup>▲</sup>
<input type="checkbox"/>	/OA_HTML/fndgfm.jsp	SSWA Jsp	1	05-Dec-2017	05-Dec-2017
<input type="checkbox"/>	/OA_HTML/jsp/edr/EDRRuleXMLPublisherHandler.jsp	SSWA Jsp	5	08-Dec-2017	08-Dec-2017
<input type="checkbox"/>	/OA_HTML/xdo_doc_display.jsp	SSWA Jsp	1	13-Dec-2017	13-Dec-2017
<input type="checkbox"/>	/OA_HTML/OAErrorDetailPage.jsp	SSWA Jsp	35	04-Oct-2017	08-Jan-2018
<input type="checkbox"/>	/OA_HTML/ahlucTreeMain.jsp	SSWA Jsp	3	16-Feb-2018	16-Feb-2018
<input type="checkbox"/>	/OA_HTML/csiFLOV.jsp	SSWA Jsp	19	16-Feb-2018	16-Feb-2018
<input type="checkbox"/>	/OA_HTML/ahlucSearchMasterConfigMain.jsp	SSWA Jsp	5	16-Feb-2018	16-Feb-2018
<input type="checkbox"/>	/OA_HTML/ahlucCreateUCHeaderMain.jsp	SSWA Jsp	3	16-Feb-2018	16-Feb-2018
<input type="checkbox"/>	/OA_HTML/ahITMenuIncl.jsp	SSWA Jsp	3	16-Feb-2018	16-Feb-2018
<input type="checkbox"/>	/OA_HTML/ahImcTreeMain.jsp	SSWA Jsp	2	16-Feb-2018	16-Feb-2018

Previous 1 - 20 Next 20

# Allowed Resources – Resource Administration

## Ease of Configuration – See All Denied Resources

**Resource Administration**

2677  
Allowed - but Never Accessed

95  
Allowed - Sorted by Last Access Date

95  
Allowed - Sorted by Access Count

2772  
Allowed Resources

4  
Denied Resources

2776  
All Resources

New Search

Hide Filters

Table Diagnostics

**Filters**

Resource Name

is

Resource Type

is

Access Count

is

First Access Date

is

Go

Save

Add

Allow | Export | Actions

<input type="checkbox"/>	Resource Name ▲	Resource Type ▲	Access Count ▲	First Access Date ▲	Last Access Date ▲
<input type="checkbox"/>	/OA_HTML/ibuiptyd.jsp	SSWA Jsp	0		
<input type="checkbox"/>	/OA_HTML/jtfbLOVcolumnList	SSWA Jsp	0		
<input type="checkbox"/>	/OA_HTML/jtfresp.jsp		0		
<input type="checkbox"/>	/OA_HTML/oags	SSWA Servlet Url	10	20-Oct-2017	20-Oct-2017

# Additional Resources

# Blog: Oracle E-Business Suite and Oracle Cloud

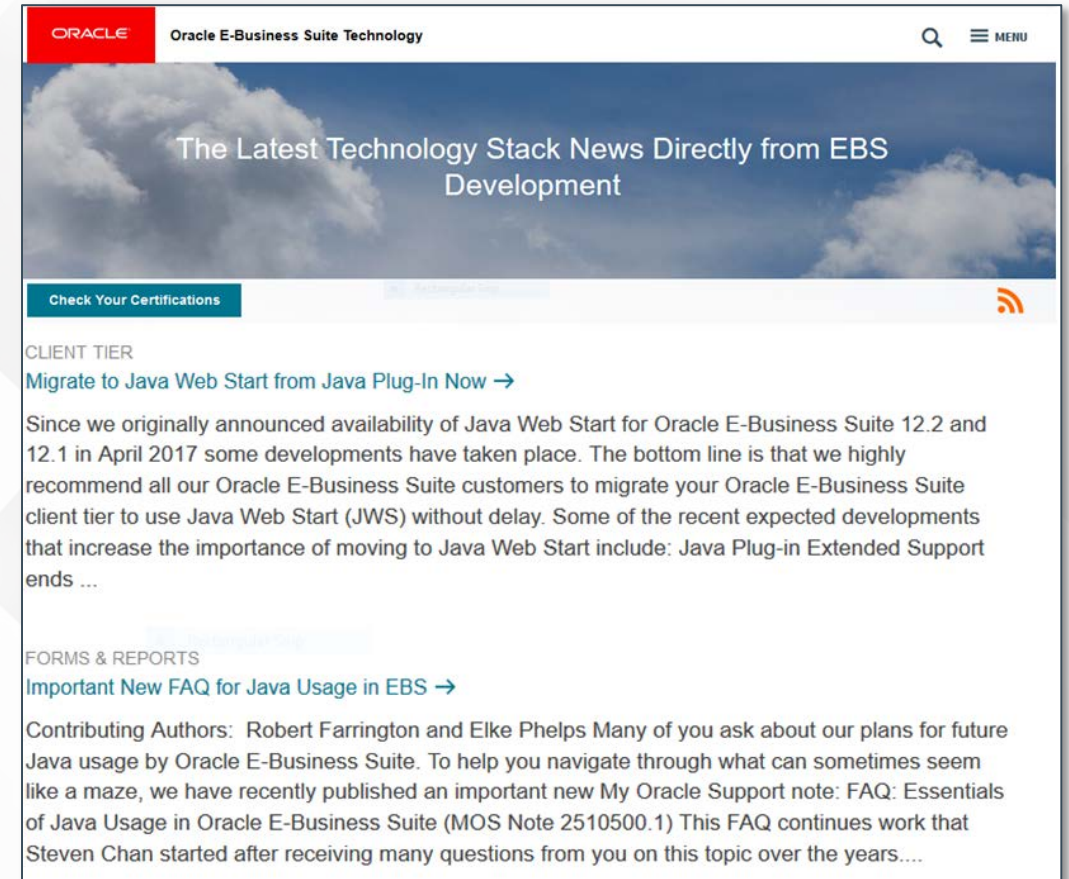
**New URL** <https://blogs.oracle.com/ebstech> (previously [blogs.oracle.com/stevenchan](https://blogs.oracle.com/stevenchan))

- Same blog, new URL

Note: [blogs.oracle.com/stevenchan](https://blogs.oracle.com/stevenchan) will automatically redirect to [blogs.oracle.com/ebstech](https://blogs.oracle.com/ebstech)

- News about EBS Technology
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- Primers, FAQs, tips
- Statements of Direction
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# Transfer of Information (TOI) Online Training

## Learn More About Oracle E-Business Suite 12.2 New Features

- Implement and Use Application Object Library - Secure Configuration Console
- Implement and Use E-Business Suite Secure Configuration - Allowed Resources
- Implement and Use Application Object Library - SECURITY: Redirect Filter
- Implement and Use E-Business Suite Secure Configuration - Cookie Domain Scoping

**MOS Note 807319.1**

# Documentation

Title	Doc ID
FAQ: Oracle E-Business Suite Security	2063486.1
Oracle E-Business Suite Security Guide, Release 12.2 – Secure Configuration Chapter	N/A
Secure Configuration for Oracle E-Business Suite Release 12	403537.1
Enabling TLS in Oracle E-Business Suite Release 12.2	1367293.1
Enabling SSL or TLS in Oracle E-Business Suite Release 12.2	2143101.1
Enabling TLS in Oracle E-Business Suite Release 12.1	376700.1
Enabling SSL or TLS in Oracle E-Business Suite Release 12	2143099.1
CVE-2014-3566 - Instructions to Mitigate the SSLv3 Vulnerability ("POODLE Attack") in Oracle E-Business Suite	1937646.1

# Where to Find More Information

## Oracle E-Business Suite Release 12.2

- EBS Documentation and Training
  - [EBS 12.2 Information Center](#)  
MOS Note 1581299.1  
Includes link to the EBS Documentation Web Library
  - [EBS Release Content Documents](#)  
MOS Note 1302189.1
  - [EBS Transfer of Info \(TOI\) Online Training](#)  
MOS Note 807319.1

### EBS 12.2 Information Center

★ **Oracle E-Business Suite Release 12.2 Information Center (Doc ID 1581299.1)**

<b>Home</b>	<b>Oracle E-Business Suite Release 12.2 Highlights</b>
<b>Reference Information</b>	<b>Start Here</b> <a href="#">Oracle E-Business Suite Release 12.2 Technology Stack Documentation Roadmap</a> This document acts as a central list of My Oracle Support knowledge documents that describe the recommended use and deployment of various optional and required components of the technology stack that underpins the overall Oracle E-Business Suite Release 12.2 architecture.
Announcements	<b>Oracle E-Business Suite Release 12.2: Technical Planning, Getting Started, and Go-Live Checklist</b> The Technical Planning Guide is designed to provide a starting point for customers moving to Oracle E-Business Suite Release 12.2. Much of the content of this book has been drawn from other Release 12.2 books, to provide a convenient high-level summary for DBAs and developers before they move on to the more detailed descriptions in those books. It is not intended to replace or be a substitute for any of those books. The go-live readiness checklist helps you identify and meet the high-level requirements that are needed for a successful go-live on Release 12.2. <a href="#">Read full details</a>
Documentation	<b>Oracle E-Business Suite Mobile Apps, Release 12.1 and 12.2 Documentation</b> The purpose of this document is to communicate implementation, configuration, and administration information specific to Oracle E-Business Suite Mobile Apps currently available for the iOS operating system and the Android operating system. <a href="#">Read full details</a>
-Product Release Notes 12.2.2 -Product Release Notes 12.2.3 -Product Release Notes 12.2.4 -Product Release Notes 12.2.5	<b>Information Center: Oracle E-Business Suite Extensions for Oracle Endeca Install &amp; Configure</b> This Index is designed to provide you with simple and quick navigation between the E-Business Suite and the Information Discovery integration. <a href="#">Read full details</a>
Globalization Center	<b>Oracle E-Business Suite Releases 12.1 and 12.2 Release Content Documents</b> These Release Content Documents (RCDs) communicate information about new or changed functionality introduced in Oracle E-Business Suite Releases 12.1 and Release 12.2, subsequent Release Update Packs (RUPs), and off-cycle patches. For your convenience, they also include new or changed functionality introduced in the RUPs for Release 12, including 12.0.2 through 12.0.7. <a href="#">Read full details</a>
Additional Resources	<b>Using the Online Patching Readiness Report in Oracle E-Business Suite Release 12.2</b> This document introduces the Global Standards Compliance Checker (GSCC) and Readiness Report, and outlines how it is used with Oracle E-Business Suite Release 12.2. <a href="#">Read full details</a>
Product Info Centers	<b>Oracle E-Business Suite Release 12.2: Consolidated List of Patches and Technology Bug Fixes</b> This document provides a consolidated list of the latest technology bugfixes required for Oracle E-Business Suite Release 12.2 and a set of recommended patches to install the technology bugfixes. <a href="#">Read full details</a>
<b>R11i Info Center</b>	<b>Applying the Latest AD and TXK Release Update Packs to Oracle E-Business Suite Release 12.2</b>
<b>R12.0 Info Center</b>	
<b>R12.1 Info Center</b>	
<b>R12.2 Info Center</b>	
<b>Lifecycle Management</b>	
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Manage	
Upgrade	
Legislative Updates Center	

# Blog: Oracle E-Business Suite and Oracle Cloud

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- Live since 1<sup>st</sup> June 2016
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### Welcome to Oracle E-Business Suite and Oracle Cloud Blog

By Nadia Bendjedou-EBS-Oracle on Jun 01, 2016

*[Publisher's note: We are pleased to launch this new blog with the following introductory article by Cliff Godwin, Senior Vice President, Oracle E-Business Suite Development.]*

Welcome to the Oracle E-Business Suite and Oracle Cloud Blog, which will cover all aspects of running Oracle E-Business Suite on Oracle Cloud - including what you can do right now, and what you can plan for as our offerings evolve.



Larry Ellison, Founder and Executive Chairman of Oracle stated, "Coexistence of cloud and on-premises computing is going to be a decades-long process, if not forever".

Oracle has invested extensively in providing solutions to help customers realize the benefits of cloud computing at the infrastructure, platform, and business application levels. These cloud services are broadly grouped as follows:

- Oracle's Infrastructure as a Service (IaaS)
- Oracle's Platform as a Service (PaaS)
- Oracle's Software as a Service (SaaS)

While each Oracle product line (including Oracle E-Business Suite) continues its development roadmap to serve its target markets and customer base, Oracle is actively promoting a coexistence or hybrid model that enables customers to adopt Oracle's cloud services in ways that complement and augment their existing enterprise applications.

Most Oracle E-Business Suite customers will think about embracing cloud computing as a journey, rather than a "big

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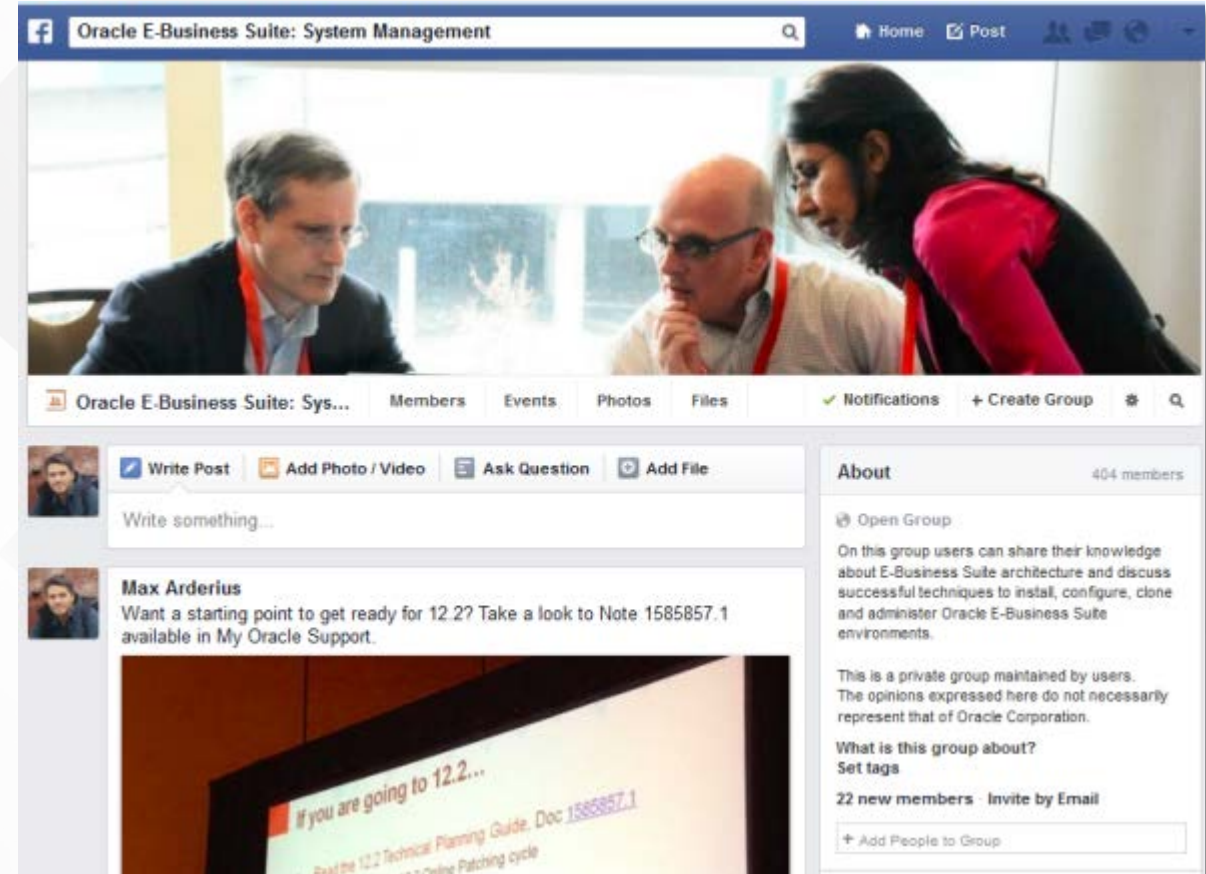
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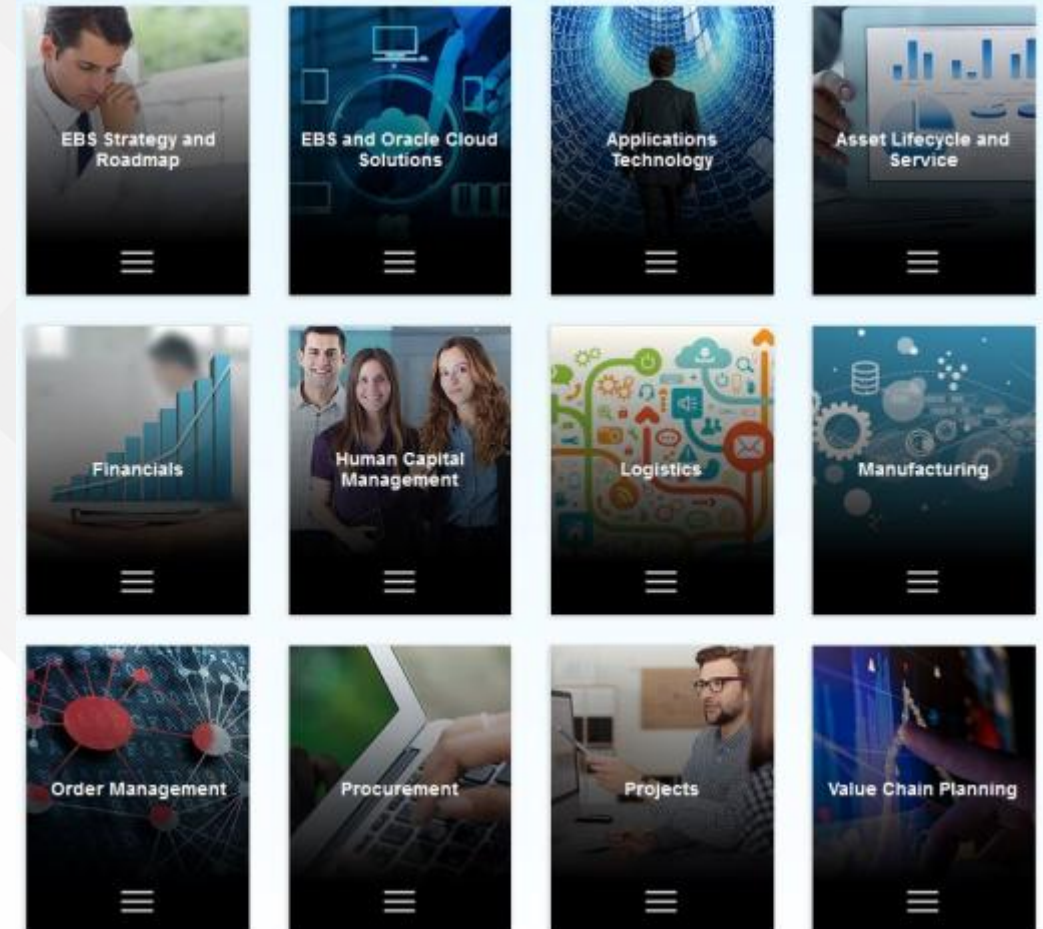


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