

Oracle EBS Security Assessment



Why security is important for Oracle EBS

Oracle E-Business Suite stores a lot of critical information – from financials to Payment Card Industry (PCI) data and more. When handling information of a critical or sensitive nature, your EBS computing environments need to be as secure as possible. Since Oracle’s EBS software is a packaged solution, the default Oracle EBS installation is often left unchanged. Unfortunately, if left alone, some of the out-of-the-box configurations may leave your system vulnerable to security threats.

Assessment - The guidance you need

No single thing makes your environment secure, but a series of things all working in conjunction will. Apps Associates works to protect your Oracle EBS environment by assessing a series of security components operating within your system – and offering solutions and suggestions to plug up any gaps in your arsenal.

Apps Associates provides a comprehensive and robust security assessment of your Oracle EBS environment, covering all the layers including technology stack, application, compute, and storage. We have a unique checklist of items at the EBS Application and Database tiers. We assess your system at each point, getting a detailed scorecard of your unique EBS environment. How secure (or vulnerable) is your system on a scale of 0% - 100%? How severe are any existing security threats? Most importantly: How complex and time consuming will it be to remediate these issues? Regardless of the level of your current system, Apps Associates is here to help.

Here are some examples of Apps Associates' Oracle EBS health checks and assessments:

Sample EBS Environment Assessment Score and Database Score

EBS Application Score 31%

EBS	Pass	Fail	Score	Max Score	Total %
1 Check Profile Settings	12	4	95	160	59%
2 Change Default Passwords	27	11	160	370	43%
3 Secure APPLSYS PUB	2	0	20	20	100%
4 Server Security	1	0	10	10	100%
5 Use Secure Flag on DBC File	1	0	10	10	100%
EBS Total	49	30	240	780	31%

Database Score 54%

DATABASE	Pass	Fail	Score	Max Score	Total %
1 Security Patches regarding vulnerabilities	0	1	-10	10	0%
2 User Accounts and Privileges	8	7	10	150	7%
3 Securing Roles	2	0	20	20	100%
4 Securing Passwords	1	8	-70	90	0%
5 Securing Data	5	0	50	50	100%
DATABASE Total	74	31	490	910	54%

Assessment At-A-Glance

- ✓ Reduce and remediate threats to key data driving your business
- ✓ Propose strategies for improving end-to-end security
- ✓ Multi-stage plan of action designed to support and enhance your organization’s objectives in a secure, reliable manner
- ✓ Enhanced operational effectiveness of security policies and procedures

Why Apps Associates?

- ✓ Our DBA team – Oracle experts for over 20 years
- ✓ Our consultants are seasoned Oracle professionals with deep knowledge and expertise
- ✓ Collaborative assessment between your team and Apps Associates
- ✓ Prioritized, multi-stage plan of action tailored for maximum impact
- ✓ Our mission is to help you transform your business by recognizing the full potential of your Oracle software

Approach to Data Strategy

Apps Associates' health check assesses your system with a multi-dimensional, three-prong process. First, after identifying potential and existing pain points, we assess risk. On a four-tiered scale ranging from high (likely, with a significant financial impact) to minimal (unlikely, with little financial impact), we determine how pressing a system vulnerability is. Then, we look at remediation time. Will a pressing issue take months to reconcile, or days? Can you put a minimally risky issue that will take weeks to fix on the back burner? This second prong helps us to further refine and prioritize our recommendations. Finally, we look at complexity – is something an easy fix, or does it require outside assistance? By considering each vulnerability's risk, remediation time, and complexity, Apps Associates will provide you with a multidimensional, multi-stage, time-sensitive plan of action that's based on your organization's specific needs.

What we will need from you, and what you will get from us

Our health checks are collaborative processes that triangulate our experts' assessments with hard data from your system and real-life experiences from your team. In order to make sure your health check is as accurate as possible, your Apps Associates team will need access to all relevant documents and IT architectures. We will also need an opportunity to speak with relevant members of your team.

With these Apps Associates tools in play, we will deliver a summary report within ten days of completing your system's assessment. Your tailored summary report will outline our findings and offer a series of carefully prioritized recommendations and action items. Because it's often a lot of information to digest, our experts will present this report to your team – personally.

Our Strategic Partners



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Sample Remediation

Check Profile Settings

Security Profiles: Configuration ERRORS

Profile Option Name	Current Value	Recommended Value	Action Item	Risk Severity
Framework Validation Level	NONE	ERROR	Set to Error	Medium

Risk Severity: Medium

Remediation Complexity: Easy

Remediation Time: Short

Impact: URL can be tampered

Remediation: Set to Error

- Benefit: This profile provides defense in depth against parameter and URL tampering.
- Behavior change: May prevent direct access (via a bookmark or URL) to pages that are not considered "launch pages" or "bookmarkable pages" in the application.
- To be phased out in 12.2.
- This should be set to nothing but error. If support asks you to set it to anything else, ask them to talk to the security team.

About Apps Associates

Apps Associates is an enterprise application services leader with a customer-first focus. Apps Associates has more than two decades of experience helping organizations innovate through digital transformation initiatives. Customers such as Brooks Automation, Hologic Inc., Edwards Vacuum, and Take Two Interactive Software turn to Apps Associates for strategic counsel, system integration and the services required to solve their most complex business challenges - utilizing experience in analytics, application modernization, process automation, digital systems, technology and operations.

To learn more about how Apps Associates can help you align your business with the right technology, visit: www.appsassociates.com, or follow Apps Associates on social media on [Twitter](#) and [LinkedIn](#).

