

# Database Attack Surface Reduction Workshop

Oracle Consulting Services (OCS) is pleased to present a new technical Workshop for Database Security in accordance with the NIST Zero Trust Security Model. The workshop is a forerunner to the Attack Surface Reduction Assessment (ASRA) which is a process that identifies potential database weakness and prioritize how to address them. ASRA covers areas in the Oracle Database, based on configurable parameters, which enlarge the attack surface. While additional security products are available for the database, you will want to ensure that the foundational database configuration is secure. This is the first step in your database security journey. ASRA will define the process used to create a model around threat modeling and is beneficial for even the most seasoned DBAs.

The Workshop covers the following topics:

- Ransomware and the Oracle Database
- Oracle Database Secure Configuration
- Globalization and Offshore DBAs
- Attack Surface Reduction Assessment

## What is an Attack Surface Reduction Workshop (ASRW)?

With the **Attack Surface Reduction Workshop (ASRW)**, we can show you how we analyze your database that turn concepts such as 'Zero Trust', 'Defense in Depth', and 'Principle of Least Privilege' into actionable directives through a deep analysis of deployment architecture, configuration, roles and privileges, coding practices, and how they are being utilized from a security perspective:

- How they should be used
- Identify vulnerability when not addressed
- Recommend Actionable Solutions to rectify
- To increase the difficulty of an attacker attempting to exploit weakness in your environment

## WHY YOU SHOULD ENGAGE OCS FOR AN ASRW

When you buy a boat (to use an analogy), how you maintain and operate the boat is your responsibility. But from a safety perspective you will need to know what items are needed like fire extinguishers, flares, life vests, GPS, radio, flashlight batteries, etc. You need to know where to put them and how to adjust as needed to ensure that the proper safety measures are in place. That you are compliant to an established baseline configuration as prescribed by a maritime authority i.e. "The Coast Guard Vessel Safety Check List".



## Key Features Discussed

- Review of what is covered in an ASRA (Assessment)
- Key Business Benefits
- Oracle Consulting Database Security experts that understand regulatory requirements
- Increase compliance with focus on securing intellectual property (IP), financial and related (PCI, HIPAA, PII, etc...) data
- How to accelerate your security profile and reduce risk through leading practices, proven methodology and tools.

## Related Services from OCS

- Secure Native Database Configuration
- Audit Vault / Database Firewall
- Advanced Security Option / Transparent Data Encryption
- Data Masking
- Database Security Assessment Tool
- Data Safe Assessment
- Enterprise User Security
- Oracle Key Vault

Similarly, a database should not be placed “in the wild” without applying the proper safety checks. That’s why the **Attack Surface Reduction Assessment** serves as an equivalent “Oracle Database Safety Check List” to ensure proper safety measures are configured adequately.

## HOW WE ARE DIFFERENT

The Oracle Consulting team is focused exclusively on Oracle Technologies. We have the experts to which others turn for leading practices in Oracle hardware and software implementations. We know how to best optimize your investment in Oracle products and can provide your business with tightly integrated, comprehensive, superior services throughout your Oracle Technology experience.

## NEXT STEPS

To learn more about and schedule an Attack Surface Reduction Workshop ask your Oracle Consulting account representative to schedule a technical presentation on emergent threats.

## GETTING STARTED

Oracle Services delivers full life cycle support using time tested Oracle methods, tools, and extensive experience with customer implementations, modernization initiatives and managed support services. Our tight integration across Consulting, Development, Support, Education, and Global Delivery puts the entire Oracle team behind your success. To learn more, contact your local Oracle Consulting representative, or email [asra\\_us@oracle.com](mailto:asra_us@oracle.com) to schedule a complimentary technical presentation on emergent threats.

## Why Oracle Consulting

- **Leading expertise:** Oracle's own experts providing thought leadership for every Oracle solution.
- **Broad Coverage:** “End-to-end” lifecycle services across the entire Oracle product footprint.
- **Global Scale:** 13,000 Oracle experts in 145 countries, serving over 20 million users.
- **True Cloud Method:** Based on industry standards, high quality results across complex projects.

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