

# Oracle Database Security and Audit

Beyond Checklists

## About me - Ron Reidy

- IT Security Engineer & Auditor
- Started working with Oracle 1984 (terminal version of Oracle 4)
  - 15 years development
  - 10 years DBA
  - 7 years security
- Database security
- Threat modeling
- Source code analysis (static)
- Web application penetration testing

## Seminar description

- This is a one day seminar to introduce Oracle security and audit
  - Fast paced, lecture only
- Slide decks
  - Screenshots
  - Embedded video
- Start with basics and build to the complex
- 10 modules (some longer than others)
- Q&A at the end of each module and the end of the day

# Administrative

- Take breaks when you need them
- Ask questions when you have them, at breaks and at the end of the day
- Contact me anytime after today with your questions

# Seminar agenda

- Module 1
  - History of Oracle
  - State of Oracle security
  - Key security issues
- Module 2
  - Oracle architecture

# Seminar agenda

- Module 3
  - Authorization and authentication
- Module 4
  - Data flow in the database
- Module 5
  - Key issues
    - Access
    - Privileges
    - Defaults
    - Coding issues
    - The PUBLIC role
- Module 6
  - Tools & planning
- LUNCH!

## Seminar agenda

- Module 7
  - Operating system issues
- Module 8
  - Networking issues
- Module 9
  - Accounts and system privileges
- Module 10
  - Builtin roles

## Let's get started ...