Db2 z/OS Security Administration Audit

Db2 z/OS Security Administration has become more critical in today's cyber computing environment. Compliancy and regulatory rules have become more challenging and knowledge of the intricacies of Db2 z/OS security is needed, but often not available. Thereby making shops vulnerable to data breaches and or violations. The Db2 z/OS Security Administration Audit reviews and evaluates the environment and provides recommendations for any potential exposures.

Challenges Addressed:

- Compliancy requirements
- Who has access to what in Db2 z/OS?
- How is access to Db2 z/OS resources controlled?
- Proper checks and balances and separation of duties
    - Data ownership/stewardship controlling access, privileged users versus access to data
- Db2 object owners
    - Plan/package, tables/views, SP/UDFs/Triggers
- Regular re-validation processes

Approach:

- Compliance requirements analysis
- Current Db2 z/OS security scheme analysis including integration with in-house security products
    - RACF, ACF2, Top Secret
- Provisioning/entitlement request (and clean-up) process(es) analysis
- Define migration and test plans
- Rollout in test environment(s)

Deliverables:

- Findings for opportunities and recommendations
- Recommendations for
    - Db2 z/OS security scheme changes
    - Db2 z/OS provisioning/entitlement process changes
    - Db2 z/OS system changes
    - Application/SQL changes
    - Test plan and test system design
- Implementation plan and schedule
- One-day Db2 z/OS security and security best practices class