Db2 z/OS Environment and Strategic Direction Assessment

Db2 z/OS has been in existence for 40 years now. While there may not be many new users, it is often desired to do an overall evaluation of the environment to ensure best practices are being implemented and adhered to, and to find any gaps in operational capabilities.

Challenges Addressed:

- Lack of experience (new user) or need for a refresh of practices and procedures
- Lack of knowledge/experience with Db2 z/OS best practices:
    - Exploitation of current features
    - Application coding techniques
    - Database design (logical and physical)
    - Database performance tuning
    - Data requirements – governance, security/access, retention, …
    - Approach to legacy data migration
- Inability to identify all stakeholders in scope of project

Approach:

- Evaluate and asses the following areas:
    - Management of Db2 and z/OS environment
    - Db2 systems configuration, administration and support
    - Db2 database administration and procedures
    - Db2 applications

Deliverables:

- Report and recommendations on the following:
    - Db2 z/OS environment management
        - Staffing, skills, roles etc..
    - Db2 z/OS systems
        - Parallel sysplex hardware, z/OS maintenance, storage, operations, naming standards, tooling, recovery, DDF/Db2 Connect, CICS etc..
    - Db2 z/OS database
        - Logical/physical database designs and implementation, change migration, backup and recovery, utility/maintenance procedures, potential legacy store migrations and modernization efforts etc..
    - Db2 z/OS applications
        - Application development life cycle procedures, development standards, review procedures, advanced features (REST, Stored procedures, distributed processing)
        - Usage and future of legacy data stores and modernization efforts etc..