



## Db2 z/OS Database Design and Administration

Designing new Db2 database can be challenging in today's environments due to the need to support ever increasing volumes of data and support applications in need of high performance and high availability. A proper design is needed from the beginning and must be done with an understanding of what needs to be done to support current needs. Many of the rules have changed with the new releases of Db2 as well as the new needs/requirements to support modernized applications.

### Challenges Addressed:

- Lack of knowledge/experience with logical and physical database design best practices
  - Partitioning
  - Data growth, retention, archiving, and purging
  - Achieving 24x7 availability
- Lack of resources and workload backlog
- Resource availability for regression testing
- Need to modernize/restructure legacy data to support larger volumes  
Need to perform mainframe modernization to cloud based services

### Approach:

- Review existing or new database designs for growth, performance, and recoverability
- Define migration and test plans
- Rollout in test environment(s)

### Deliverables:

- Findings, opportunities, and recommendations for improved availability and feature usage
- Recommendations for
  - Db2 z/OS system changes
  - Application/SQL changes
- Test plan and test system design
- Implementation plan and schedule