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## RightSize/iSeries

At Data Design Associates (DDA), we are familiar with the challenges that software migration pose. Transporting application software from one platform to another can be a difficult and time-consuming process. And if the change includes a new technology with which your in-house staff is unfamiliar, the conversion can be a high-risk venture.

With extensive experience in large-corporation operations and applications, DDA consultants bring an in-depth knowledge of most environments to your company. Our proven expertise in a variety of environments allows DDA to deliver solutions designed so a client's systems will help meet important business challenges.

This consulting service comprises five unique phases designed to provide a smooth and successful transition from a mainframe environment to a user-controlled and cost-effective configuration. RightSize/iSeries gives the client a choice of platforms to suit their business requirements today and allow flexibility for growth to meet the new challenges of tomorrow.

DDA's proven approach to application platform migration entails the following steps:

- Phase I - Application Assessment
- Phase II - Software & Data Extraction
- Phase III - New Environment Construction
- Phase IV - Pre-Implementation
- Phase V - Implementation

We believe that you will greatly benefit from this phased process, providing a smooth transition from your current production environment to your RightSize/iSeries environment.

This Project (Phases I-V) is priced on a firm-price basis. Services performed in addition to those listed below will be charged at contracted rates.

## Phase I — Application Assessment

The first step in the **RightSize/iSeries** process is to perform an assessment of the applications for which migration is desired and provide recommendations for completing this migration in the most timely and cost-effective manner. An experienced DDA consultant spends two to four days at the client's site gaining an in-depth understanding of the business objectives and desired result.

The **Application Assessment Phase** includes the following activities:

1. Review the Current Mainframe Application
  - Consult with client to understand the current environment and the migration objectives
2. Determine the Project Scope and Size of the Effort
  - Evaluate the source code and data files
  - Investigate reporting requirements and application interfaces
  - Determine the number of users and input locations
  - Define the communication requirements - including links between the Mainframe and the PC, and user connectivity
3. Review any Unique or Exceptional Client Requirements
  - Conversion of non-standard programming languages
  - Usage of fourth-generation data base structures
4. Provide an analysis of the services proposed for subsequent phases
  - Implementation plan and project schedule
  - Hardware and software requirements and configuration
  - Client participation checklist
  - Analysis of outstanding issues and critical success factors
  - Project cost estimate by phase

The objectives of this phase are to assist the user in understanding the available alternatives and provide guidance in the selection of the best approach to meet their current as well as future business objectives.

## Phase II - Software & Data Extraction

Once a decision is made to proceed with **RightSize/iSeries**, the Software & Data Extraction Phase can begin. A DDA technical consultant will access the client's site, via the VPN, to gather the application system source and data files. A DDA consultant will also visit the client's site to review the upcoming phases and project approach with the client.

The **Software & Data Extraction Phase** includes the following activities:

1. Obtain Copies of Current Mainframe Application
  - Data Files and File Definitions
  - Source Programs, Copy Members and Modifications
  - Application JCL and PROCs
  - Application Control Files
  - CICS Controls and Table Entries
2. Perform Equipment Review
  - AS/400 Environment & Software Releases
  - Establishment and Testing of Bi-directional VPN
  - Work Stations & Connection Method
  - Printers
  - Communication Lines & Network Topology
  - Obtain clear understanding of Standards for Naming and CLP
  - Review Anticipated Hardware & Software Upgrade Plans
3. Review Results and Estimates of the Phase-1 "Application Assessment"
4. Confirm User Deliverables & Upcoming Participation
  - Development of Test Plan
  - Participation in the Pre-Implementation Phase
5. Review Project Report & Finalize Subsequent Phases

The purpose of this phase is to obtain all information necessary for the conversion and to confirm that the client expectations are understood. DDA consultants will also perform a review of the steps listed above and formalize the client proposal.

## Phase III - New Environment Construction

The **New Environment Construction Phase** is performed by DDA consultants in our Raleigh Office Hardware/Software Lab. The client's participation in this phase is limited to delivering preliminary application test data and a test script for DDA to follow in executing a complete system and integration test.

The **New Environment Construction Phase** includes the following activities:

1. Convert & Load the Application Software
  - Application Source Code
  - Application Source Code Modifications
  - Application Data Files
  - Application JCL and PROCs
  - CICS & Application Control Files
2. Perform String Testing to Ensure Proper Configuration
  - Online & Batch Application Programs
3. Execute System Test Plan to Validate System Operation
  - Online & Batch Application Programs
  - Utilizing client-supplied data and test script
4. Perform Integration Test
  - Incorporate all In-coming and Out-bound Application Interfaces
5. Provide Report to Client
  - Detailing Results of the Conversion and Testing Process

The purpose of this phase is to ensure that the converted application operates in the same manner as on the Mainframe. Our expert consultants will convert, load and test the system according to the client's specifications.

## Phase IV - Pre-Implementation

The **Pre-Implementation Phase** provides the client with an opportunity to "Test Drive" the Application System under its new configuration. In this phase, the client connects to the Raleigh Office Hardware/Software Lab and participates in a detailed review of the activities performed by DDA in Phases II and III.

The **Pre-Implementation Phase** includes the following activities:

1. Complete demonstration of the Converted Mainframe Application System
2. Detailed Review of String, System and Integration Test Results
  - Review and resolution of problems encountered during application testing
  - Client sign-off on the New Environment Construction Phase
3. Benchmark of the system operational performance against current mainframe processing statistics
4. Final Environment Review and Client Sign-off
5. Discussion of Support Options & Assistance in the Review of third-party hardware/software contracts and maintenance agreements

The purpose of the **Pre-Implementation Phase** is to demonstrate the migration and verify that the system performs as expected. This is the final review and sign-off prior to the implementation of the migrated application at the client site. A final review and assessment of equipment needs and performance is also completed at this stage.

## Phase V - Implementation

The final phase of **RightSize/iSeries** is the **Implementation** of the converted application software at the client site. The satisfactory completion of the four earlier phases should result in a smooth and orderly installation of the converted application system in the client's environment.

The **Implementation Phase** includes the following activities:

1. Set-up & Configuration of the Deliverables, and Verification that all Required Components are in place.
2. Testing of the Online & Batch Application Programs to Ensure Integrity of Application Functionality
3. Re-conversion of Current Application Data & Control Files
4. Execution of System Parallel Cycle Test to Validate System Operation
5. Training of the User, Technical and Operations/System Support Staff to Assume Responsibility of the New System
6. Client Sign-off for System Acceptance
7. Production Implementation, On-Site User & Technical Assistance for 3-days
8. Final Client Sign-off for Implementation

The objective of this phase is to install the new system, demonstrate its operation to the client staff, provide training on support of the system and ensure that the converted application meets the client's expectations.

## **Additional Products & Consulting Services**

Following your successful application conversion and platform migration, you may wish to take advantage of other services available from DDA, including:

- Additional Conversions of Mainframe Applications to the iSeries eServer Platform
- Training on "RightSize/iSeries" Alternatives & Options

Additional Consulting Services are priced on a fixed price or time and materials basis.