**Consistent Environment can be achieved in the following ways**

All environments (Development, Staging) should use the same components (System, Software) to maintain consistency with the production

environment (sometimes non-realistic, due to parallel development/testing).

Consistency across all developer environments (workstation etc.) used for development, build and unit test.

Version control of all components (server, workstation configurations etc.)

Conduct technical check out on the application to ensure environment stability after every deployment.

Centralized storage of the development packages.

Developing a strategy to support multiple versions of same components released as part of parallel releases.

Automate deployment activities (server, application etc.)

Identifying and documenting all application dependencies.

Tracking environment changes with a good change management tool coupled with a robust process.

Infrastructure monitoring: Servers, Databases, Third-Party System Connectivity

A critical support function to guarantee that the application can be deployed and tested with varying configurations from development to production

• Planning & ensuring that the environments are built to the requirements, with necessary interfaces and connectivity

• Ensuring enough capacity is available in the environment to run multiple software application releases

• Environments are scheduled and managed for parallel or multiple releases and optimum performance

• Routine Environments Health Check is done to ensure its availability

• Helps in reducing the risk of deploying the application directly into production, by testing through different environments with varying configurations

• Establishes greater confidence to the development teams and business

• Empowers better decision making, better application deployment & management

• Provides standards and framework, provides visibility and control

• Better quality (Process, Procedures, Audit)

Test Data Management

**• Data Refresh**

**• Data Load**

**• Feed Generation**

Configuration ManagementManagement

**• Package version controlling**

**• Server Configuration**

**• Application Configuration**

**• Code, DB Deplyment**

**• New Domain Creation**

**• Technical Checkout**

**• Resolve incidents**

**• UAT Release**

**• Package Consolidation**

**• UAT Realease Summary**

Environment Monitoring

**• DB space utilization**

**• Server space utilization**

**• Monitoring services**

**• Process monitoring**

**• User notification**