Multidimensional Scalability Capabilities

Platform

Dimensional Capabilities

Scalable System and Platform
- Scale out storage architecture
- Scale out Application layer architecture
- Application Layer cloning capability
- Data partitioning and sharing
- Vertical and horizontal scaling
- Http layer Scalability
- Load Balancer layer Scalability
- Operation layer Scalability
- Multi dimensional System Scalability

Scalable Operation Management
- Continuous integration and test
- Build once deploy anywhere
- Infrastructure as code
- Centralized container based application deployment management
- Constantly maintained high Mean Time To Data Loss (MTTDL) at data layer

Platform with Scalability testing support
- Facility for benchmark testing
- Facility for performance testing
- Facility for reliability testing
- Facility for load sharing testing
- Facility for error recovery and failure testing
- Facility for automated test report generation & dispatch

People

Dimensional Capabilities

Clearly defined responsibilities to achieve System Scalability objectives
- Clearly defined roles and responsibilities in team
- Alignment between scale objectives and roles in team
- Adequate staffing and trainings, to meet the skill requirement of teams working on Scale objectives

Scalable System Architecture Expertise
- Scale out storage architecture knowledge and expertise
- Expertise of Data partitioning and sharing to meet Scalability objectives
- Expertise on vertical and horizontal scaling techniques
- Expertise on application layer Scalability techniques
- Expertise on Http layer Scalability techniques
- Expertise on Load Balancer layer Scalability techniques
- Expertise on Operation layer Scalability techniques
- Multi dimensional System Scalability expertise

Scalable Operation Management Expertise
- Continuous integration and test expertise
- Build once deploy anywhere expertise
- Infrastructure as code expertise
- Expertise to maintain Mean Time To Data Loss (MTTDL) at data layer
- Centralized container based application deployment management expertise
- Cloud environment management expertise

System Scalability Testing Expertise
- Benchmark testing expertise
- Performance testing expertise
- Reliability testing expertise
- Load sharing testing expertise
- Error recovery and failure testing expertise

Process

Dimensional Capabilities

Defined process to maintain right skillset for achieving Scalability objectives
- Adequate staffing process, to meet the skill requirement of teams working on Scale objectives
- Adequate training process, to meet the skill requirement of teams working on Scale objectives

Defined System Scalability Guidelines
- Clearly defined scale objectives for System in assessment
- Scale out storage architecture guidelines
- Scale out Application layer architecture guidelines
- Application Layer cloning guidelines
- Data partitioning and sharing guidelines
- Vertical and horizontal scaling guidelines
- Http layer Scalability guidelines
- Load Balancer layer Scalability guidelines
- Operation layer Scalability guidelines
- Multi dimensional System Scalability guidelines

Defined Scalable Operation Management Process
- Continuous integration and test
- Build once deploy anywhere
- Infrastructure as code
- Guidelines to maintain Mean Time To Data Loss (MTTDL) at data layer
- Centralized container based application deployment management
- Cloud environment management guidelines

Defined System Scalability testing Guidelines
- Guidelines for benchmark testing
- Guidelines for performance testing
- Guidelines for reliability testing
- Guidelines for load sharing testing
- Guidelines for error recovery and failure testing