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# Performance Architect

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## OBJECTIVE

The primary focus of the Performance Architect is to ensure that the system is effectively used meeting the required performance objectives providing fast response time and high throughput leading to high business and user productivity with cost effectiveness of the IT Infrastructure.

The Performance Architect considers Demand, Capacity, Utilization and performs an end to end analysis to achieve Scalability, Availability and Elasticity using a proactive, structured and systematic approach to performance across the solution lifecycle. The architect understands both the functional and non-functional requirements, understands how the requirements are supported by software and hardware resources to forecast future demand and the resources needed to support the same. This offering is primarily for the Mainframe Environment.

## WHAT WILL WE DELIVER

The scope of activities will include any of the following:

- Identify, understand and review Volumetrics
- Performance Assessments
- Identify Performance Risks
- Establish Governance and Controls
- Monitor and Analyze Resource Usage
- Estimation
- Modelling
- Application Sizing
- Technical Assessment
- Performance Testing
- Performance Tuning
- Capacity Planning

The deliverables will be based on the contracted activities. It could be anything from “System Context Diagram” or “Use Case Model” or “Non Functional Requirements” or “Performance Model” or “RAID logs” are a few examples.

## TIME FRAME

SMT Data will assign an Architect onsite on a T & M basis for a specific period depending on the client requirement.

## CUSTOMER REQUIREMENTS

The Customer identifies the focus areas and key personnel to be involved in the consulting engagement. It is also important that the required system / sub system performance and accounting data be made available in the required format.