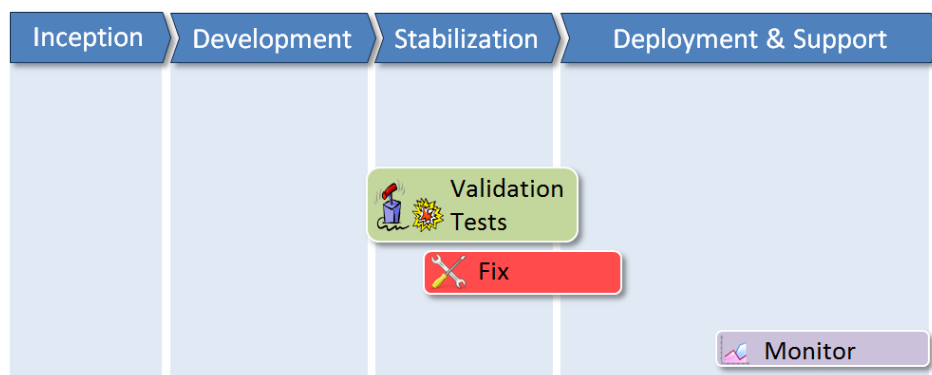


Continuous Performance Management is a performance approach which utilizes the same techniques and tools to manage performance throughout development and into production. Approaching performance this way can reduce the overall cost while at the same time reducing performance risk.

This approach incorporates the modeling and regression techniques used for agile performance management but enhances this approach further by emphasizing consistency from project initiation through to production.

## Traditional “Big Bang” Performance Tests

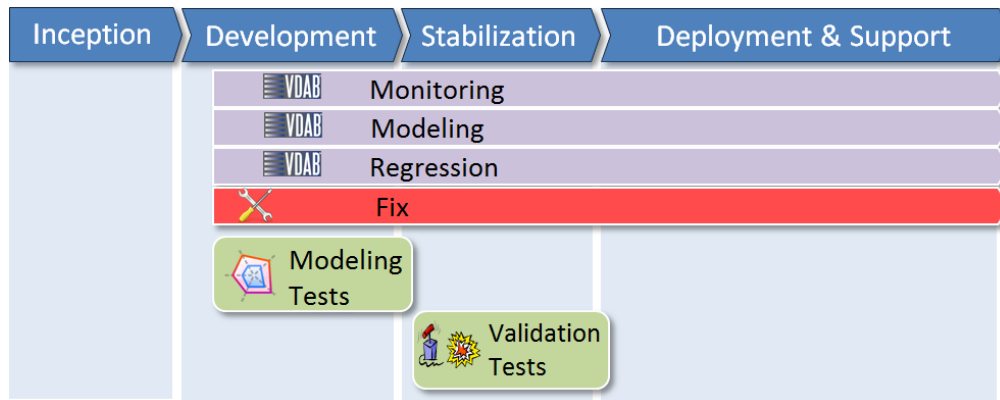
Traditionally performance testing is something that occurs during the stabilization phase of a project. It starts late in the project and uses a set of tools that are solely for monitoring and executing performance tests.



When the project completes there is no significant handover to system and application support. Both application and system support deploy their own monitoring tools which are frequently incompatible and incomplete. When changes are made to the production system, performance testing is often neglected.

## Continuous Performance Management

Continuous Performance Management leverages the same tools and techniques throughout the application lifecycle including consistent performance monitoring, continuous performance modeling and performance regression:



Deploying these tools early ensures that developers can benefit from the insight provided and they will be able to begin fixing the most severe performance issues immediately.

While discrete performance modeling and validation tests will still be required during the development and stabilization phases, the effectiveness of these tests will be improved through the data provided by the enhanced monitoring.

The transition to support is optimized as the existing monitoring and modeling tests are turned over with the application. The performance impacts of changes to the system can be evaluated using automated performance regression tests to the operational team.