

## Performance Impact Analysis Solution Package

### Objectives

The Performance Impact Analysis solution has been designed for composite applications that undergo frequent enhancements and/or hardware/software upgrades. Minor changes to a composite application can have major and unforeseen effects on its performance characteristics and this solution helps to predict and quantify these effects.

The outputs from the solution are an application that is instrumented for accurate performance monitoring and a change impact database that allows the impact of any changes on application performance to be estimated in advance.

### Procedures

The Performance Impact Analysis is carried out by Transflow in the following fashion:

- Working with the operations staff install monitoring software into the production application and capture production environment details in the change impact database.
- Initiate the collection of performance data for the production application.
- Working with the application developers analyze the performance data with respect to the application architecture and capture application structure details in the change impact database.
- Analyse the data in the change impact database and gather any additional data deemed necessary.
- Review and finalise the change impact database and the associated change control procedures.

*keeping transactions flowing*

### Logistics

Transflow first sends a consultant on-site for a full day to carry out a site survey and then uses their report to provide the customer with a cost and time proposal for carrying out a Performance Impact Analysis.

Once agreement has been reached the Performance Impact Analysis is scheduled so as to best fit in with the customer's production environment.