

# GT eForms System Requirements

## Hardware and Software Considerations for GT eForms and ePAF

**Date:** February 14, 2006

## Anticipated System Impact

This guide discusses what impact clients can expect to their PeopleSoft architecture from a production installation of the GT eForms framework and eForms-based applications such as ePAF™.

Because GT eForms and ePAF™ live as bolt-ons in the same database instance as PeopleSoft and PeopleTools, there are no additional hardware or software requirements beyond what is required to run PeopleSoft. Here are some considerations:

- 1. Integration Broker Traffic:** GT eForms and ePAF™ use PeopleSoft's Integration Broker for both synchronous and asynchronous messaging with the local node.
  - a) Synchronous messaging** uses the same PSAPPSRV processes that handle web traffic. We don't anticipate the synchronous traffic adding net load to these processes, because they are typically doing transactions that users would otherwise do.
  - b) Asynchronous messaging** uses the six PUBSUB processes. Most clients already have these running, as there are PS-delivered processes that use them. We have yet to see a need to increase the number of PUBSUB processes running, but it is a possibility.
- 2. PeopleSoft User Base and Network Traffic:** ePAF™ is a distributed application that requires PeopleSoft access for its users, typically department-level users and approvers, higher-level approvers and core offices. If you have already rolled out PeopleSoft self-service applications or other PeopleSoft access to these users, we anticipate only incremental impact on network and web server load. If these users constitute a population that is new to PeopleSoft, impact may be anticipated at levels similar to adding that many self-service users, and hardware and software should be scaled accordingly.
- 3. Database Impact:** GT eForms and ePAF™ add setup and transaction tables to the system. We typically build them in their own tablespace. The transaction tables will grow with time, incrementally consuming database space. Growth will be similar to other native PeopleSoft functions.
- 4. Decreased System Load:** ePAF™ replaces, for many users, the frequent use of complex and resource-intensive pages and components with simpler, non-resource-intensive pages and components. The resource-intensive components are then interfaced with on the app server level, rather than being published to user sessions. This can actually affect a decrease in system load.

## Impact Summary

In summary, we generally expect GT eForms and ePAF™ to have incremental impact, and in some cases reduced impact, on the PeopleSoft hardware and software architecture. We have yet to see a client have to purchase additional hardware or software to support GT eForms and ePAF™.