Provides an analysis system for analyzing dependencies among server programs in a computer system, comprising: a transaction detection unit for detecting transactions that is processing of a service which each of the plurality of server programs performs by being called from any other server program; a child transaction candidate detection unit for detecting candidates for a child transaction of each detected transaction, the child transaction being called in the transaction concerned; and a calling frequency calculation unit for outputting service calling frequencies obtained by estimating a frequency at which each server program allows each of the other server programs to perform a service by calling the other program, the estimation being made based on the service detected in association with each transaction and on a service detected in association with the candidate for the child transaction of the transaction.

14 Claims, 10 Drawing Sheets