

WEB SERVER MECHANISM FOR PROCESSING FUNCTION CALLS FOR DYNAMIC DATA QUERIES IN A WEB PAGE

ABSTRACT:

A web server computer system includes a transaction processor (124) that reads a configuration file (128) to determine how to handle incoming function calls to retrieve dynamic data by querying a data source. A number of language processors (130) are provided for handling the possible different types of function calls that query dynamic data. When a function call within a web page corresponding to a query for dynamic data is encountered, the transaction processor (124) determines from the configuration data which language processor (130) will handle this specific function call, and passes the function call to the appropriate language processor (130). The language processor (130) processes the function call, generates the appropriate query, obtains the dynamic data from the appropriate data source, and passes the data back to the transaction processor (124). The transaction processor (124) then inserts the dynamic data into the web page to be sent to the requesting user.

Fig. 1

