

Market Requirements Document

Feature Name: Objectivity/PHP

Version: 1 **Completed By:** Leon Guzenda **Date Submitted:** 09/26/06

Description of the Problem

Background

“PHP: Hypertext Preprocessor”, commonly known as PHP, is a very popular scripting language for writing web server applications. According to Wikipedia, over 18 million web servers currently have PHP installed. It has interfaces for almost all RDBMSs and many vendors provide PHP/ODBC adaptors.

Problem

It is inconvenient to call C++ or Java applications from PHP, so PHP users have no direct access to Objectivity/DB federations.

Description of the Requested Feature

1. Objectivity/PHP - a fully featured PHP language binding for Objectivity/DB.
2. Objectivity/ODBC for PHP - an ODBC adaptor for PHP.

Part of an existing feature or does it require another feature, if so, which one?

1. It may be possible to rework the Python binding to build a PHP binding.
2. The ODBC adaptor for PHP would require Objectivity/SQL++ and ODBC.

How is this problem being solved now, and why isn't that acceptable?

Users who require access to Objectivity/DB federations from a scripting environment can use Python. However, this is probably not an acceptable solution in an environment that is strongly committed to PHP.

What languages must support this capability?

- Objectivity/PHP is a new language binding.
- Objectivity/SQL++ must work with the Objectivity/ODBC for PHP adaptor.

Which platforms must be supported?

- Linux and Windows (XP or Vista.)

Do any competitors already have this feature?

- db4objects
- There are adaptors or PHP bindings for all major RDBMSs.

Customers who require this feature

- Lockheed Martin (but we are trying to persuade them to use Python instead).

Revenue at risk, or which could be won

- We are not aware of any business lost as a result of not supporting PHP, but lack of an interface automatically excludes us from most web server environments.
- Many web server builders are standardizing on the LAMP¹ environment, which includes PHP. However, the attraction of LAMP is that all of its components are Open Source, so it is unlikely that small sites would consider Objectivity/PHP. Sites with more complex data and processing requirements could be a prime target if the pricing is attractive.

When is this required?

- Post Release 10.

Additional Notes

1. We will also need:

- Marketing collateral, including promotional material and a special area on our web site.
- Technical Publications.

¹ LAMP is an open source web platform consisting of Linux, Apache, MySQL, and Perl/PHP/Python

- New QA material to prove that the API works and is interoperable with other platform and language combinations.

2. Licensing costs are to be determined.