ModeraNET2 Platform – Product Sheet

Overview
ModeraNET2 is a second generation web application development platform. It supports independent **horizontal scaling** (including cloud computing), universal API plug-ins (including Google Wave and new standards and/or technology from other vendors such as Microsoft Office 2010 (codenamed Office 14)). ModeraNET2 conception, planning and development stems from a £1.3 million investment into research and development (R&D).

Timeline
- Pre-production ends June 2009
- Main infrastructure build complete by mid 2010
- Integration and implementation complete by mid 2011
- Testing and launching by end of 2011

Technical benefits
- Allows developers to create flagship scalable solutions with a flexible platform
- The system is object orientated that is lightweight and can grow easily with requirements
- Taking advantage of **dependency injection** offers developers innovative way of building enterprise level applications
- The platform will leverage modern agile development approaches
- Easy management of third-party integration through a panel of controllers
- Low level security layers to create and share access to any component
- Java inspired development and architecture caters for all level of developers

Unique selling points
- Other content management systems (CMS) companies are focusing on software development that will be decreasing as technology continues to integrate with internal business processes. ModeraNET2 platform takes into account all possibilities and requirements of developing any type of web application
- By using key technologies from Java and other frameworks, ModeraNET2 offers orderly and fully object oriented open source technology based commercial platform
- ModeraNET2 offers a flexible and lightweight platform that is not tied into a legacy system which restricts its users (both in terms of functionality and cost)
- European Union is supporting the use of open and alternative technologies in business and government sector, which aligns with Modera's objectives
- Caters for smaller software houses that can easily migrate their products and modules to the ModeraNET2 platform
- Partners can resell the platform as a cost effective, easy to use and flexible solution through an existing global sales channel in a bundle or bespoke requirements with other products

Key innovations
- Uses an innovative approach in PHP world, bringing all best practices of the general IT spectre to the PHP market whilst taking advantage of the benefits that lower weight and lower cost technologies offer

- Brings a unique fully flexible architecture to the market
- A mix of practical higher level existing functionalities that have not been used in this market context before
- By taking advantage of horizontal scalability options currently only available with the largest software platforms in the world, the same scalability on a Modera technology can lower cost to regular businesses
- Modera's innovative business model will get boosted when migration to its platform will become much easier, while all benefits – including financial benefits - will remain

Dependency Injection

Also known as inversion of control. This is the new way of building enterprise level applications. Using this approach developers are able to build a very flexible architecture where components have a very low level of coupling and therefore can be replaced with other ones easily. A developer might let the framework create objects and then inject them into some other components without writing a single line of code.

Layered architecture

An architecture when each layer communicates with another one through a strongly defined set of interfaces. The most popular example of this architecture is module view controller (MVC) . All three layers communicate with the others through the strongly defined interfaces so it is possible to change one layer, without interrupting others. This is the key principle of building enterprise-level applications, because it considerably decreases software maintenance costs and make the source code clean.

Horizontal scaling

Also known as scaling out or sharding in terms of information storing.

This is the way of sharing information in database across multiple servers (nodes). This approach allows a web-system to bear with high load and adds redundancy at the same time. If one node goes offline for some reason a website will still be available for users. Web companies like Google, Amazon and eBay use this approach to achieve great scalability whilst keeping costs down.

Read the press releases in full about the R&D

1. 11 June 2009   Modera to commence new platform development
2. 03 March 2009   Modera to invest 1.3 million into software R&D

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About Modera
http://www.modera.com

Modera is a global software company specialising in content management development that constantly challenges the technology and clients environments to deliver superior solutions that meet expectations. Modera operates in over 20 countries including Germany, Hong Kong, Spain, UK and the USA, with headquarters in Estonia.

Backed by 24-hour support and a vast partner network, Modera takes the hassle out of content management with its cost-effective webmaster, intranet and extranet product line. Whether taken separately or together as a complete interconnected product, these tools are fast, secure, simple-to-use modular in design making them highly flexible and are competitively priced.

Simple to install and maintain, Modera's scalable service caters for SMEs through to large organisations that require products to service bespoke individual needs. Its clients include established and well-known brands such as Citizen Watches, Group 4 Securicor (GS4) Hong Kong Express Airline, Jamiroquai.com, Nissan and The Mama Group Plc.

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