

ARM's first 64-bit servers: Just what can you expect to run on them?

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That's what is being worked on by Linaro, an engineering group supported by a range of ARM-based chip designers, server OEMs and Linux operating system custodians, all of which share an interest in broadening the range of open-source software for the ARM platform.

By the time the first 64-bit ARM-based SoCs become generally available for use in production servers later this year, Linaro is confident that certain core enterprise software packages used for serving websites, data analytics and databases will be running acceptably on the 64-bit ARM-based architecture.

These enterprise software packages include the LAMP stack - an acronym for software widely used for websites, commonly referring to a Linux OS, Apache web server, MySQL database and PHP scripts - as well as the NoSQL database MongoDB and the distributed storage and processing framework Hadoop, together with other web-serving technologies such as memcached and HAProxy.

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