

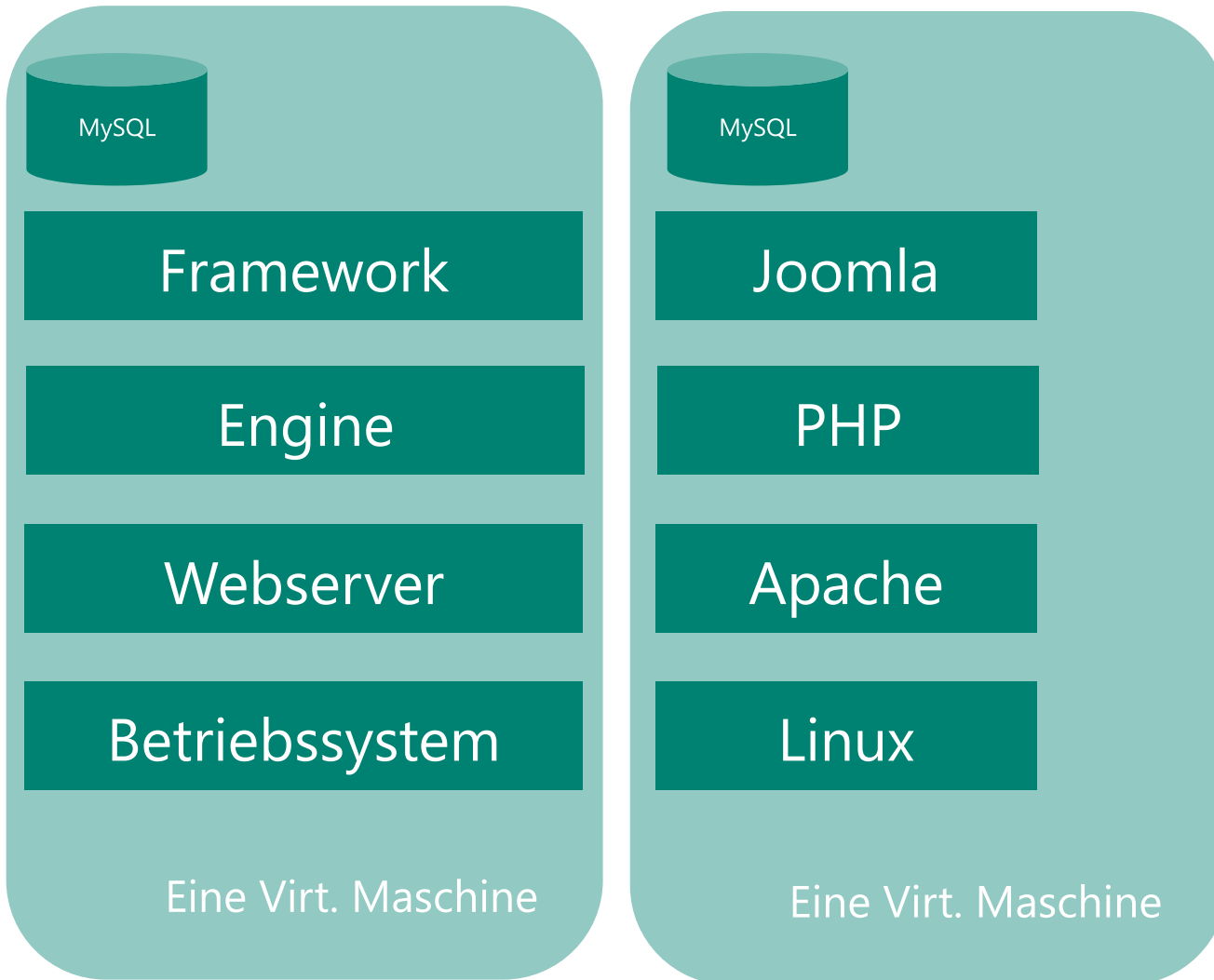


Joomla on Azure Module 2 Joomla als virtuelle Maschine

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Joomla Architektur



Minimum System Requirements

To successfully install and use Joomla! you must have a fully operational Web server (Apache is the optimum), a database (MySQL is the optimum) and the server side scripting language PHP together with specific modules that are activated within PHP for MySQL, XML, and Zlib functionality amongst others.

Note: Joomla! is developed and tested primarily on the Apache Web server versions 1.3.x + and 2.x +. Whilst there is every chance that it will work with other systems, such as Windows IIS, these are not necessarily supported as fully/at all within the technical support community. The same has to be said unfortunately for the database where MySQL is the principle choice but other types of database may work with the necessary configuration but are less well supported at the present time. This is a situation that it is hoped will be turned around with time but for this to happen the community requires people with the appropriate skills to step forward and assist.

The minimum versions of the various constituent parts of these server components that are required are as follows:

Software	Min Version	Recommended	Optimum	Latest Release	Web Site
PHP	4.3.x	4.4.7	5.0.x series	5.2.4	http://php.net
MySQL	3.23.x or above	4.1.22	5.0.x series	5.0.45	http://dev.mysql.com/downloads/mysql/5.0.html
Apache	1.3 or above	1.3.9	2.0.61	2.2.6	http://httpd.apache.org
mod_mysql					
mod_xml					
mod_zlib					

You must ensure that you have the MySQL, XML, and Zlib functionality enabled within your PHP installation. This is controlled within the `php.ini` file.

Caution: Do not use **PHP 4.3.9**, **PHP 4.4.2** or **PHP 5.0.4**; these releases have known bugs that will interfere with the installation of Joomla! There was also an issue with the Zend Optimizer Version 2.5.10 for PHP 4.4.x. You should ask your host to upgrade to a later release as soon as possible where applicable.

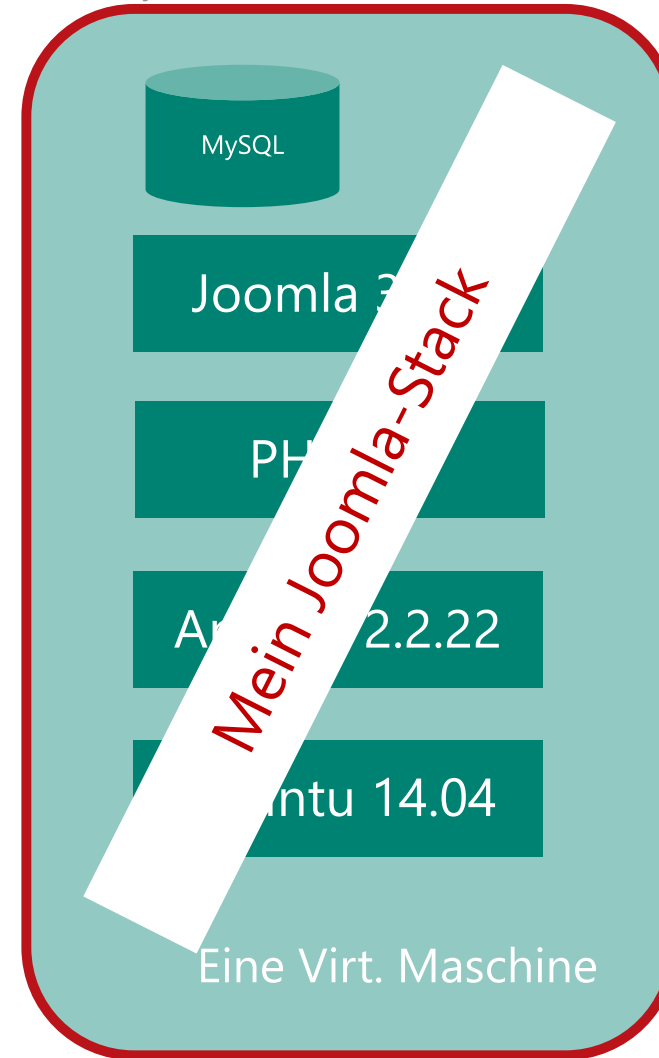
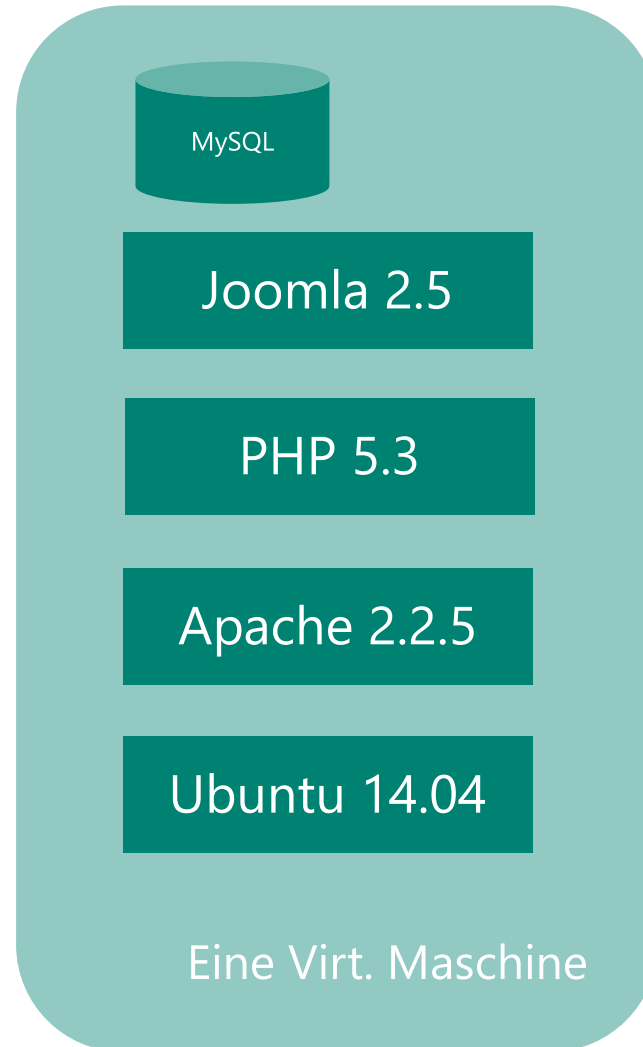
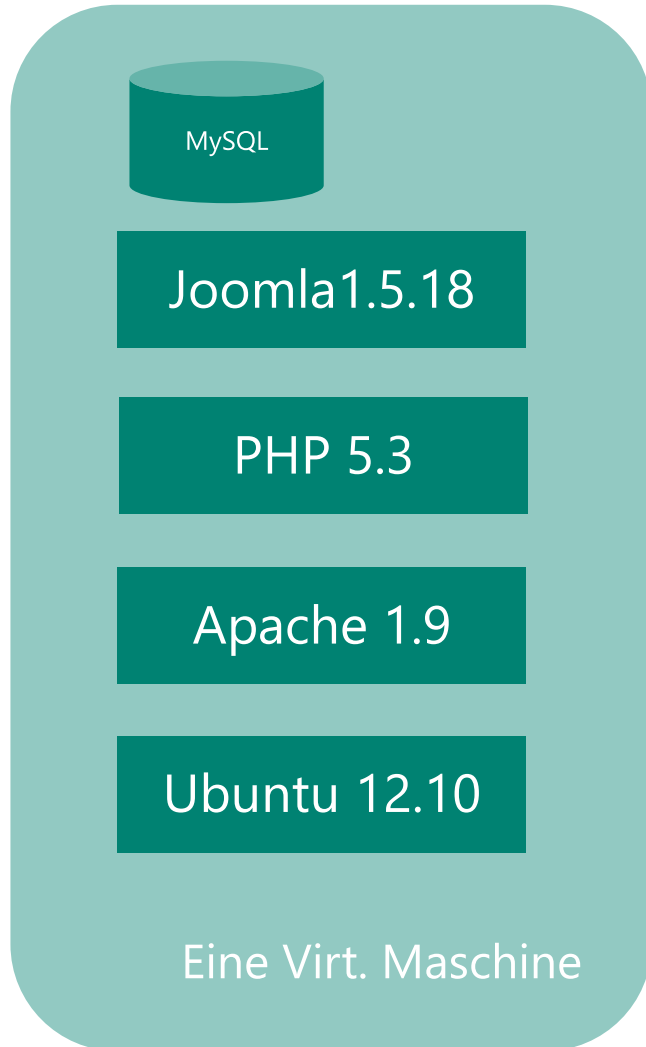
Note: There are currently ongoing discussions as to whether there are additional issues with the whole 4.3.x series of releases of PHP and it has been found that the best and most consistent results are achieved with the PHP 5.x series.

http://downloads.joomla.org/docmanfileversion/1/7/4/17471/1.5_Installation_Manual_version_0.5.pdf

Joomla - Aufbau

Inkompatibilitäten beim Aufbau

- Check PHP Build Version
- Check Apache Build Version
- Check Linux Version
- Check MySQL Version



Joomla 1.0 , 1.5 , 1.5.18 , 1.5.28 ,
Joomla 2.5, ... , ... , ...
Joomla 3.x

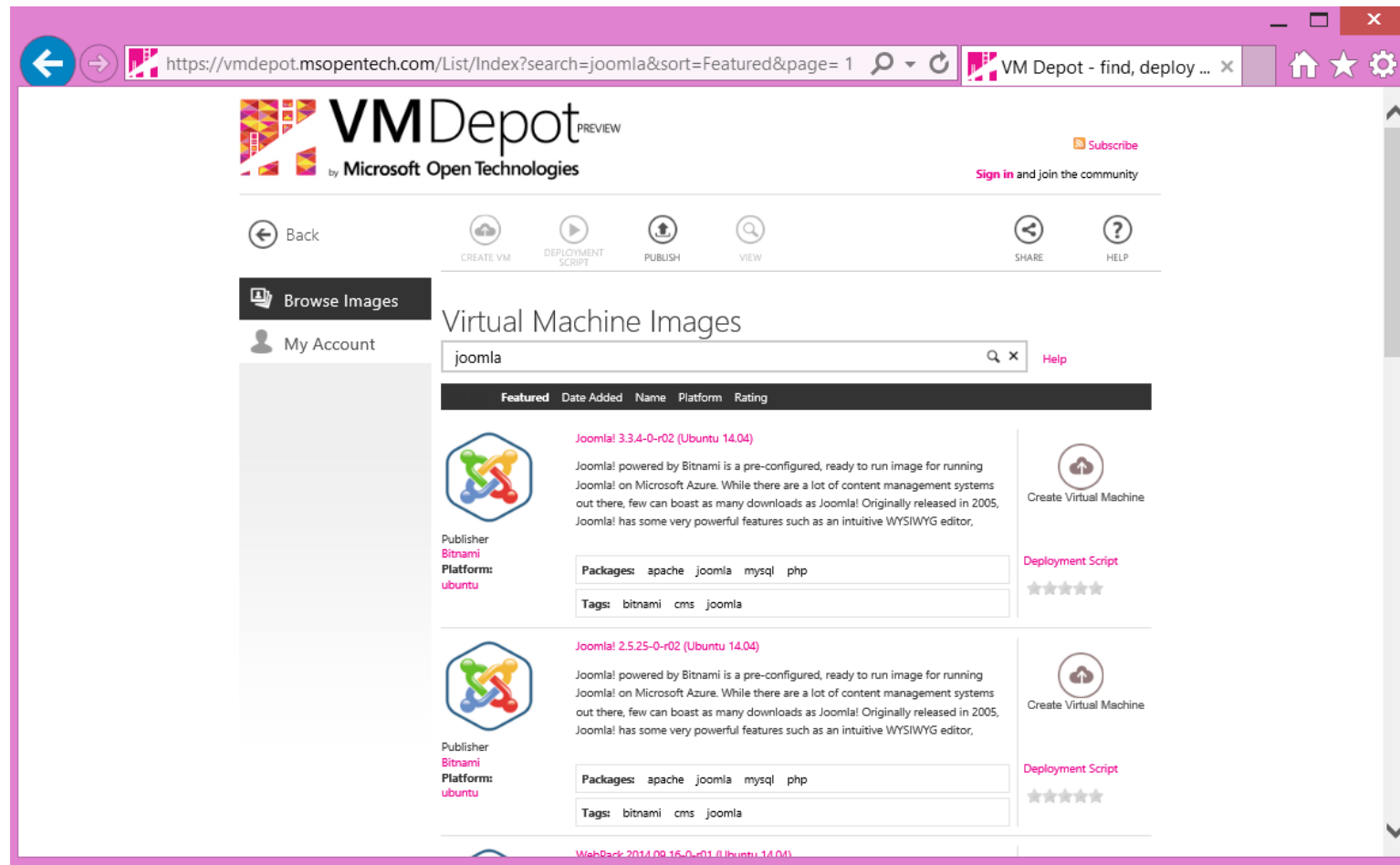
PHP 5.4 for 3.x
PHP 5.3 for Joomla 2.5
PHP 5.3.22 for Joomla 1.5.26
PHP 5.2 for Joomla 1.5

Apache 1.7.20
Apache 1.9.3
Apache 2.2.22



CentOS
Debian
Suse
Ubuntu

Azure VMDepot – Image Library

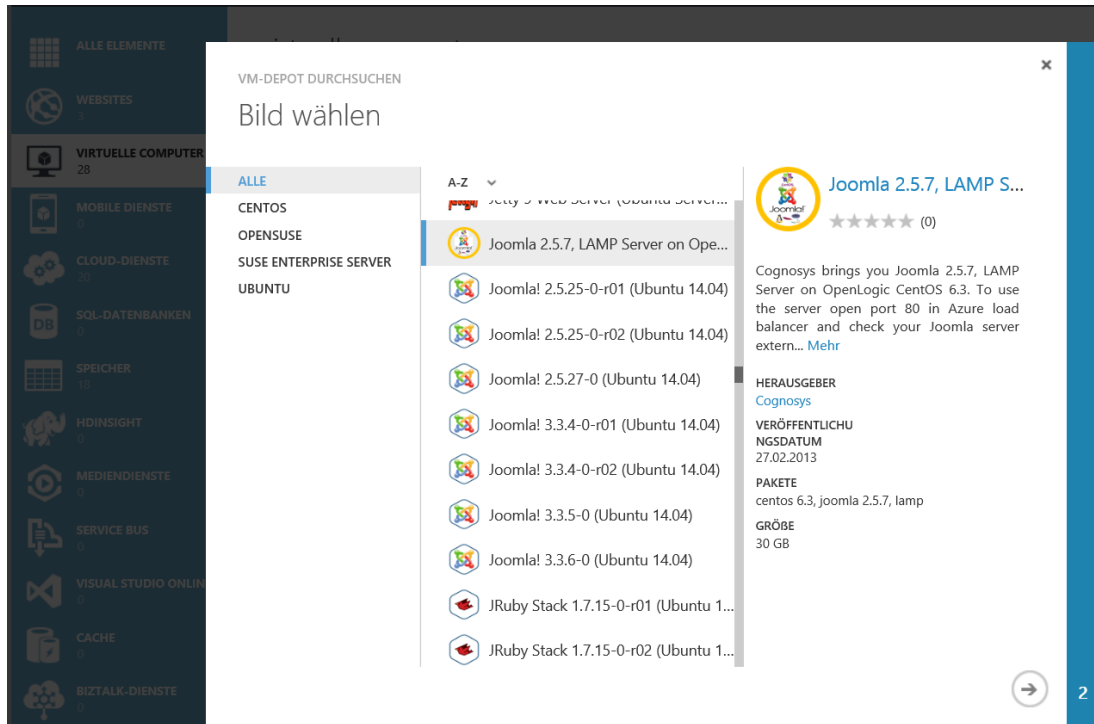
- MS Open Tech – AzureVM Depot von und für die Community
- <https://vmdepot.msopentech.com>



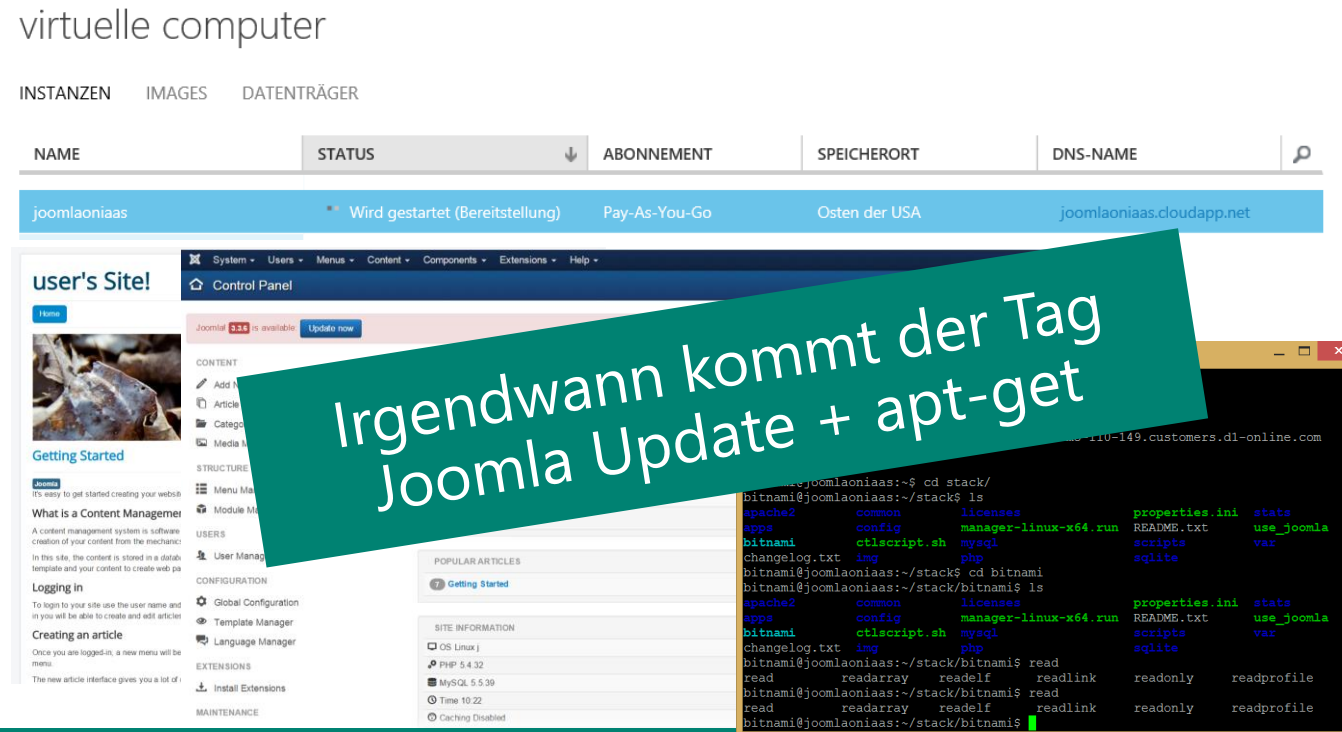
The screenshot shows the VM Depot website interface. The browser address bar displays the URL: <https://vmdepot.msopentech.com/List/Index?search=joomla&sort=Featured&page=1>. The page header includes the VM Depot logo (PREVIEW) by Microsoft Open Technologies, a 'Subscribe' button, and a 'Sign in and join the community' link. Below the header is a navigation bar with icons for 'Back', 'CREATE VM', 'DEPLOYMENT SCRIPT', 'PUBLISH', 'VIEW', 'SHARE', and 'HELP'. The main content area is titled 'Virtual Machine Images' and features a search bar with the query 'joomla'. A table of featured images is displayed, with columns for 'Featured', 'Date Added', 'Name', 'Platform', and 'Rating'. Two Joomla! images are visible, both published by Bitnami on the Ubuntu 14.04 platform. Each image entry includes a description, a 'Create Virtual Machine' button, a 'Deployment Script' link, and a star rating.

Featured	Date Added	Name	Platform	Rating
		Joomla! 3.3.4-0-r02 (Ubuntu 14.04)	ubuntu	
		Joomla! 2.5.25-0-r02 (Ubuntu 14.04)	ubuntu	

Ein traditioneller Joomla Aufbau in Azure



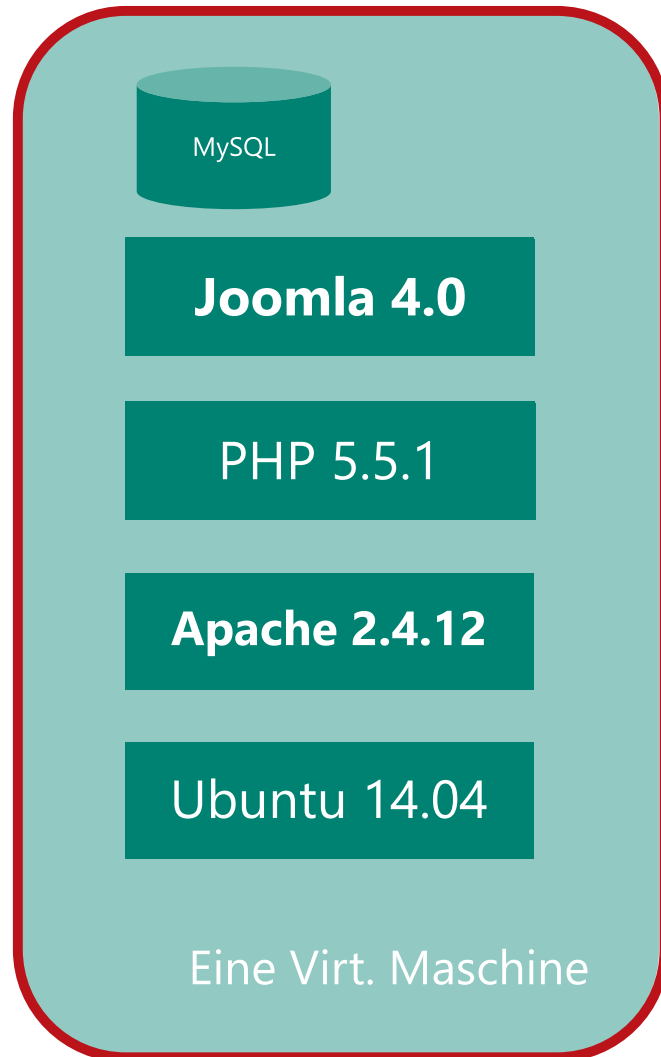
Bereitstellung eines kompletten fertigen Stacks über das VM Depot
Image Bereitstellung



Irgendwann kommt der Tag
Joomla Update + apt-get

VM Instance mittels Image erstellen,
VM starten, anmelden und Webseiten
aufbauen

Update traditionell vs. eine neue Option



- Joomla Wartung & Update Aktionen erfordern Erfahrung in mehr als nur Joomla
 - Inkompatibilitäten ausschließen
 - Den richtigen PHP Build Level verwenden
 - Neue PHP Build level auf Webserver einrichten
 - Neue Software ins Betriebssystem einspielen bspw. via **apt-get**





Microsoft

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