

FREE MICROSOFT AZURE CLOUD TECHNOLOGIES

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O. M. Beketov National University of Urban Economy in Kharkiv has been using cloud technologies in the educational process for several years [1]. This year the University has acquired the Microsoft Azure license. Microsoft Azure is a complete cloud platform that can host the existing applications, streamline new applications development and even enhance on-premises applications. Azure integrates the cloud services to applications developing, testing, deploying, managing and, at the same time, takes advantage of cloud computing efficiencies.

The Microsoft Azure license allows our students and staff to create the following free applications:

1. HTML5 Empty Web App
2. PHP Starter Kit
3. PHP Empty Web App
4. Mobile App
5. Notification Hub
6. Azure Active Directory
7. Azure AD Connect Health
8. Azure AD Cloud App Discovery
9. Azure AD Privileged Identity Management
10. Team Project (preview)
11. Application Insights
12. Intune
13. Node JS Empty Web App
14. Express Web App
15. Joomla!
16. ASP.NET
17. Empty Web App
18. Django
19. Bottle
20. CakePHP
21. OpenCart
22. WordPress

Students of Computer Science and System Engineering specialties used Azure cloud technologies during the summer programmer's practice [2].

The following tasks were done by the students: 1. WAMP software (Windows - Apache - MariaDB / MySQL - PHP / Perl / Python) installation and configuration on a local computer. 2. Local web-application development and debugging with HTML5, CSS, PHP, JavaScript tools. 3. Microsoft Azure Registration and receiving a subscription to create and deploy freeware cloud applications provided by the free license of O.M.Beketov NUUE. 4. Free Microsoft Azure cloud applications creating and deploying. 5. One's web application transferring to the Microsoft Azure platform.

References:

[1] Бочаров Б.П. Cloud technologies in the O. M. Beketov NUUE educational process. / Б.П. Бочаров // Комп'ютерні технології в міському та регіональному господарстві: матер. міжнар. наук.-практ. інтернет-конф. – Харків: ХНУМГ ім. О.М. Бекетова, 2015. – с. 122-123.

[2] Summer Programmer's Practice. Training course [<http://cdo.kname.edu.ua/course/view.php?id=2126>].