<table>
<tr><td colspan="2">Name:
Cloud Computing Services I</td><td>NEPTUN-code:
NIXFS1FBNE</td><td>Number of periods/week:
full-time: 2 lec + 0 sem + 0 lab</td></tr>
<tr><td colspan="2">Credit: 3
Requirement: mid-term mark</td><td colspan="2">Prerequisite:
NIXVT1FBNE Virtualised storage systems</td></tr>
<tr><td>Responsible:
Róbert LOVAS, Ph.D.</td><td>Position:
associate professor</td><td colspan="2">Faculty and Institute name:
John von Neumann Faculty of Informatics
Institute of Applied Informatics</td></tr>
<tr><td colspan="4">Way of assessment:
- oral exam</td></tr>
<tr><td colspan="4">Competences</td></tr>
<tr><td colspan="4"></td></tr>
<tr><td colspan="4">Course description:</td></tr>
<tr><td colspan="4">The main aim of the subject is to get familiarised with cloud computing systems, and to provide theoretical grounding for widespread public, private, and hybrid cloud platforms both from the user's and from the cloud operator's point of view. The students will acquire knowledge on service types offered by clouds (IaaS/PaaS/SaaS), and their related deployment characteristics, typical solutions, as well as their management and automation possibilities. The course serves as the basis for the practical knowledge to be used for the deployment of an open-source cloud computing system during the practice labs later.</td></tr>
<tr><td colspan="4">Literature</td></tr>
<tr><td colspan="4">Bálint Farkas, Gábor Kovács, István Király, Attila Turóczy, Tibor Kőnig, Attila Érsek, Mátyás Safranka, Dávid Fülöp. Krisztián Pellek, Balázs Kiss: Windows Azure step by step, 2013 (in Hungarian, electronic notes)
Tamás Schubert, Gergely Windisch: INFORMATION TECHNOLOGY SERVICES CLOUD COMPUTING (CLOUD COMPUTING), Digitális Tankönyvtár, 2011 (in Hungarian, electronic notes)
Barrie Sosinsky: Cloud Computing Bible, Kiadó: Wiley, 2011 (electronic notes)
Anne Gentle, Diane Fleming, Everett Toews, Joe Topjian, Jonathan Proulx, Lorin Hochstein, Tom Fifield: OpenStack Operations Guide, O`Reilly, 2014 (electronic notes)</td></tr>
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