



University of Stuttgart

Institute of Parallel and
Distributed Systems (IPVS)

Universitätsstraße 38
D-70569 Stuttgart

Net-based Applications

Dr. Adnan Tariq (Distributed Systems)

Dr. Holger Schwarz (Applications of Parallel and Distributed Systems)

WT 2016/2017

Overview

- This course covers methods and technologies required in nowadays net-based applications
 - Basic network programming
 - Web technologies
 - XML technologies
 - Web-services
 - Basic security methods



Organization (Overview)

- **Lecturers**
 - Adnan Tariq (adnan.tariq@ipvs.uni-stuttgart.de)
 - Holger Schwarz (holger.schwarz@ipvs.uni-stuttgart.de)
- **Lectures**
 - Tuesday 09:45 - 11:15, 0.124
 - Monday 08:00 – 09:30 (Conflicts ??)
- **Exercises**
 - Tuesday 11:30 - 13:00 (weekly), 0.124
 - First task is handed-out today (see ILIAS system), and results are presented by the groups next week
 - Exercises will be graded and contribute to the final grade
- **Examination**
 - End of term, February 2016
 - Oral or written exam depending on number of participants



Organization (Grading)

- Assignments
 - Consist of programming exercises and repetitive questions
 - Can be solved in groups of up to three people
 - Each assignment will be graded in a short colloquium/group
- Examination
 - Written exam, if more than ~20 people
 - Oral exam otherwise



Course Material and News: ILIAS



URL: <https://goo.gl/rzv8J>

Password: **\$16wsNET\$**



IPVS

Research Group
Distributed Systems

Organization (Literature)

- A. S. Tanenbaum and M. v. Steen: [Distributed Systems – Principles and Paradigms](#). Prentice Hall 2002
- G. Coulouris, J. Dollimore, T. Kindberg: [Distributed Systems – Concepts and Design](#). 3rd Ed., Addison Wesley, 2002
- E. Harold, W. Means: [XML in a Nutshell](#). O Reilly, 2nd Ed., June 2002
- E. van der Vist: [XML Schema](#). O'Reilly, 2002
- B. McLaughlin: [Java & XML](#). O'Reilly, 2nd Ed., 2001
- ...

