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Microsoft Tech Talk: A Hundred Petabytes of Storage, Saved

Building an Exabyte sized storage platform that has web scale performance, availability, and reliability is loads of fun, but pretty tough to do; finding how to build one that has industry leading storage costs is downright hard. This talk will delve into how the Hotmail team instrumented their storage stack to determine how and when data could be de-duplicated. We'll go one step further by going over the de-duplication logic developed, how we ensure data won't be lost, and how it runs at the internet scale we needed. You'll get to see real code, understand more about the Microsoft cloud architecture, and go behind the scenes on how our development process works.

Speaker: Principal Group Program Manager for OneDrive – **John Rodrigues** was born and raised in California, near San Francisco. He attended college at the University of California where he received his undergraduate degree in 2002. Shortly after graduating, he joined Microsoft at their Silicon Valley location, working on the Hotmail platform for over 11 years. As a director of engineering, he oversaw an overhaul of the storage, mobile, and abuse platforms so the product could scale to the ever-changing needs and expectations of customers. Today, he is a group manager on the OneDrive team and is responsible for helping to evolve our cloud storage and productivity suites.

Time: Monday, October 17, 17:20pm – 19:20pm

Location: Faculty of Mathematics and Physics at Charles University, **Room #S9**

Address: Malostranské nám. 2/25, 118 00 Praha 1-Malá Strana, Czech Republic

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