Cloud Storage is an increasingly popular model allowing on-line networked storage delivery and management, where storage is provided in a 'storage-as-a-service, pay-per-use' manner, and is hosted remotely by a storage infrastructure provider across multiple data centers.

This talk will present the advantages of object stores, providing insights into their underlying capabilities and implementation considerations. In particular, the talk will describe two recent storage cloud projects: open source Openstack/Swift and the IBM-led, EU funded VISION Cloud project. The talk will present the evolution of these projects comparing their architectural concepts, advanced capabilities and adoption in the industry.

Dr. Alexandra Shulman-Peleg is a cloud security researcher at IBM Haifa Research Lab, Israel. She received Ph.D, M.Sc. and B.Sc. degrees in Computer Science from Tel- Aviv University and previously held a position of a software team leader at RAD Data Telecommunications LTD. She participated in several PF7 EU projects and was involved in the VISION Cloud from its initial stages, leading the security work package.