

Background





Disaggregated RAID Storage in Modern Datacenters (dRAID) Junyi Shu, Ruidong Zhu, Yun Ma, Gang Huang, Hong Mei, Xuanzhe Liu, Xin Jin School of Computer Science, Peking University

dRAID Command Capsule					
d	<u>Opcode</u>	NSID	Buffer	<u>Command</u>	<u>Other</u>
			Address	Parameters	<u>Data</u>
Read Write + <u>PartialWrite</u>				offset	sg-list
				length	next-dest2
				num-sge	<u>data-idx</u>
				<u>subtype</u>	<u>num-sge2</u>
Parity				fwd-offset	<u>sg-list2</u>
econstruction Peer				fwd-length	
				<u>next-dest</u>	
				<u>wait-num</u>	

Implementation & Evaluation

Implementation







• I/O scalability





