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Lazy Image Pulling with Stargz

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Container images allowed having reproducible environments and container orchestration lets users parallelize and create elaborate workflows with tools like Argo or just Kubernetes jobs. It is easy to create very large images and when parallelizing jobs, the time and cost of pulling container images can increase significantly. Golang developers proposed the seekable tar gunzip format (stargz) to address the issue for their CI by downloading files from the container registry only when they are needed. This presentation describes the current state of lazy loading images with containerd and stargz and we will present the results of our benchmarks.

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