Sylabs Intro - 10 min

Michael Bauer - HPC Container Workshop ISC19

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Sylabs provides licensing, enterprise level support, professional services, cloud functionality, and value-added plugins for the Singularity container runtime

Sylabs also drives the development efforts of the Open Source Singularity Project along with orchestration and resource management systems to support compute driven workflows, such as in Artificial Intelligence, Security and Data Science fields

SingularityPRO

Enterprise Grade Support

- Sylabs sponsors and productizes Singularity, and are uniquely qualified to provide the top tier of support

- Sylabs employs key members of the open source developer community

- SingularityPRO is provided as a pre-built binary, no need to build from source

- Available via per node, system, or site licenses for an easy on-ramp to adoption and system management (to include cloud and desktop/workstation)

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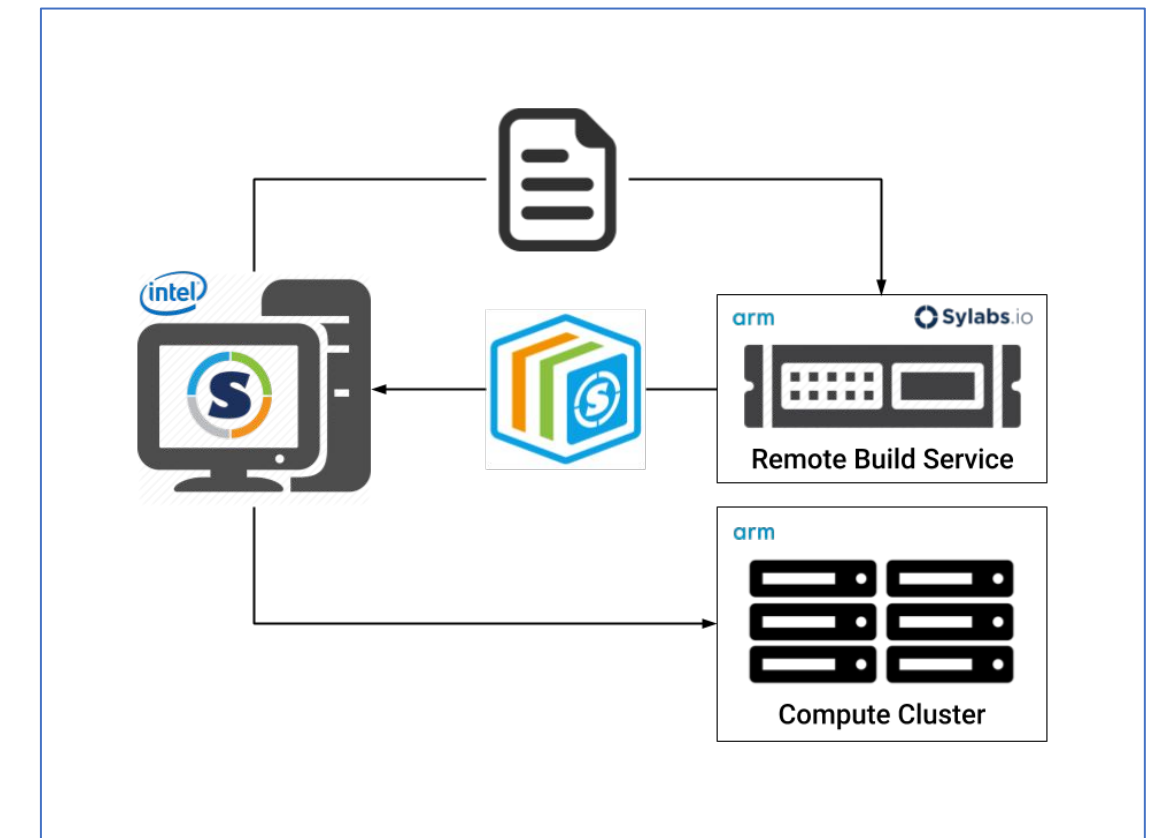## To Summarize SingularityPRO differences

- Enterprise Grade Support

- Backporting of security and bug fixes

- Influence on feature development and timelines

- Extra functionality via custom plugin development

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Singularity Container Services
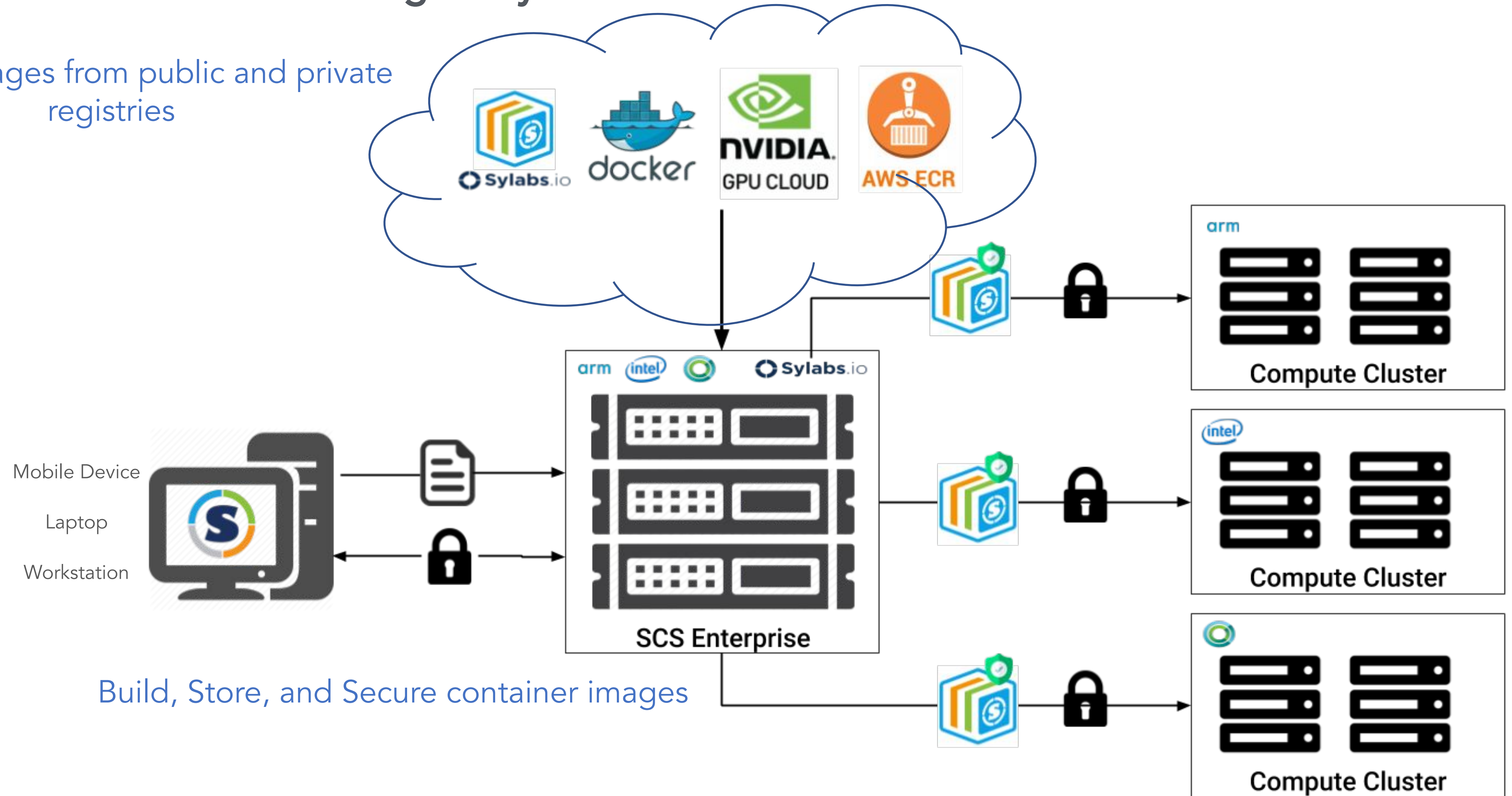
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Singularity Container Services:

o Key Management Platform to cryptographically validate signed images; provides management, storage and distribution of PGP public keys

o Container Library provides centralized storage and management capability for signed and encrypted SIF files

o Remote Build Services provide a platform for unprivileged users to create secure compliant SIF images without requiring privilege escalation across hardware platforms

Available now OnPrem and VPC in 2H2019   https://cloud.sylabs.io

Singularity Container Services

Retrieve images from public and private registries

Mobile Device
Laptop
Workstation

SCS Enterprise

Build, Store, and Secure container images

arm — Compute Cluster
intel — Compute Cluster
Compute Cluster

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