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StratusLab Marketplace for Sharing Virtual Machine Images

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StratusLab (http://stratuslab.eu/) provides a complete, open-source solution for deploying an "Infrastructure as a Service" cloud infrastructure. Use of the cloud requires the use of prepared machine and disk images, yet preparing correct, secure images remains difficult and represents a significant barrier to the adoption of cloud technologies.

The StratusLab Marketplace is an image registry, containing cryptographically signed metadata associated with shared images. It simultaneously allows: end-users to search for existing images, image creators to publicize their images, and cloud administrators to evaluate the trustworthiness of an image. The image files themselves are stored elsewhere–either in cloud storage or in web-accessible repositories.

The StratusLab Marketplace facilitates the sharing of images and use of IaaS cloud infrastructures, allowing users access to a diverse set of existing images and providing cloud administrators with the confidence to allow them to run. Its integration with the StratusLab distribution makes use of registered images easy, further reducing barriers to adoption.

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