

APPTAINER

Containers for HPC with Full Software Supply Chain Security



Apptainer securely executes applications with bare-metal performance while being portable and reproducible.

Ideal for use cases such as artificial intelligence, machine learning, and compute- and data-driven analytics.

Apptainer is the 100% open source, secure, performant application container system which began life as “Singularity.” It’s a container system that’s designed to be used by non-privileged users on a shared system. From small laboratory clusters all the way to massively-scalable HPC clusters, Apptainer provides:

Market-leading Containers for HPC

Apptainer runs on a majority of HPC systems worldwide and facilitates new and innovative HPC use cases.

100% Open Source

Apptainer is maintained by the Linux Foundation and has broad community and institutional support. All development activities, goals, and milestones are open.

Trust

Apptainer enables trust in your software supply chain via cryptographic key validation and encryption.

Portable Jobs and Environments

Apptainer allows you to bring your environments anywhere, creating extreme portability from system to system.

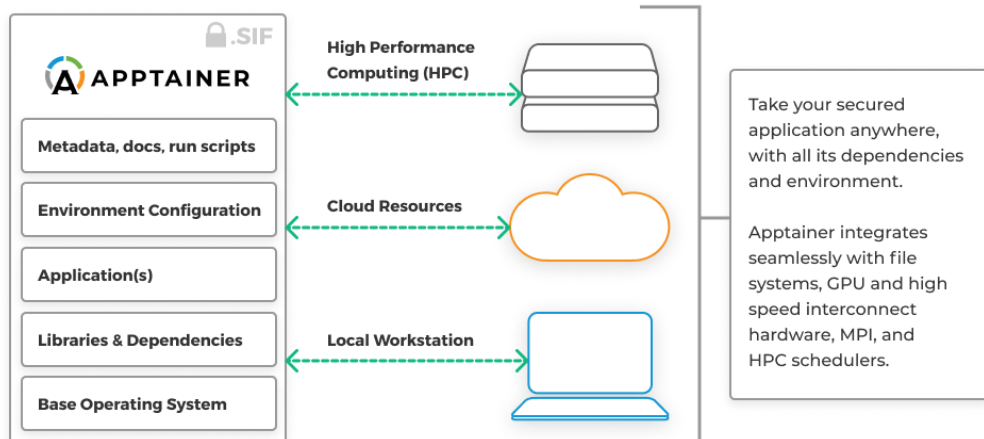
Optimized for Applications

While many container systems are built, designed, and optimized for microservices, Apptainer is for applications and computational use cases.

Apptainer: Community & Market

Apptainer is used in small laboratory clusters all the way to massively-scalable HPC clusters. The Singularity founder and leading developers are all part of CIQ, and we provide enhanced capabilities to customers and partners.

Cryptographically signed and encrypted Singularity Image Format container





*We support people,
not sockets or cores.*

Apptainer: Enhancements & Solutions

- Smaller attack surface for production deployments
- Fully rootless container runtime
- Single file SIF container format makes it easy to transport and share
- Cryptographic key validation and encryption

CIQ Support

Support and services for Apptainer are available from CIQ. Not only did our CEO, Gregory Kurtzer, create the Apptainer project, but also we employ experts who can help you tackle the most challenging Apptainer deployments. The first person you talk with will stay with you through resolution. We don't route you to a call center or Level 1 support technician who doesn't have the knowledge to solve your issue.

CIQ SUPPORT OFFERINGS	STANDARD	PREMIUM
Hours of Coverage	Standard Business Day 8:00 AM–6:00 PM in your local timezone	24 X 7 FTS Support ¹
Support Channels	Web & Email	Web & Email Named Customer Success Manager Slack Access to CSM ²

RESPONSE TIMES	INITIAL AND ONGOING RESPONSE	INITIAL AND ONGOING RESPONSE
Severity 1 (Urgent)	1 Business Hour	Initial Response: 30 minutes Ongoing Response: 1 hour or as agreed
Severity 2 (High)	4 Business Hours	2 hours or as agreed
Severity 3 (Normal)	1 Business Day	4 business hours or as agreed
Severity 4 (Low)	2 Business Days	1 business days or as agreed

¹24x7 "Follow the Sun" (FTS) Support for Severity 1 Issues. Otherwise, standard SLA's apply[^].

²Reserved for Enterprise customers with defined spend agreement.

[^]Standard SLA Response Times.

CIQ, Open Source to the Core

Open source software is not a company asset or gimmick; rather, it is a community-first development and collaboration model. We encourage our customers to engage with the community directly to learn first-hand about the many advantages of Apptainer.

Our goal is to add value on top of Apptainer and other key open source technologies in the form of escalation support, customization, optimization, integration, and professional services.



[CIQ.com](https://www.ctrlq.com)



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