

RVS Aero: Product description, licensing and purchasing options



Rapita Verification Suite (RVS) Aero is a suite of software verification tools for avionic software. A typical configuration of RVS Aero includes RVS core and one or more plugins. These are described below:

- **RVS core:** Set of tools common to all RVS products. These tools have support for Ada, C and C++ compilers.
- **RapiTest:** Test management tool for generation and execution of system and unit tests on embedded targets.
- **RapiCover:** Low-overhead structural coverage analysis.
- **RapiCover^{Zero}:** Structural coverage analysis directly from object code.
- **RapiTime:** Execution-time measurement and optimization.
- **RapiTime^{Zero}:** Execution time analysis directly from object code.
- **RapiTask:** RTOS-independent visualization of scheduling and event-tracing on single or multi-core systems.
- **RapiTask^{Zero}:** Visualization of event scheduling directly from object code.

When you buy RVS Aero, you receive:

- The latest version of RVS core and your selected plugins on a CD. You can also download an installer for most Windows and Linux operating systems from our website.
- The latest version of the **RVS License Manager**. We provide installers for most Windows and Linux operating systems.
- Access to support and maintenance for a period of 12 months.
- Printed user documentation.
- A USB license key for license management (if required).
- Tutorials, templates for target integration, and integration guides.

Integration service

To ensure a robust integration of RVS Aero into your development environment, we can provide a target integration service. We offer this separately from the RVS Aero tools, as described in our *Target integration service* product brief, which is available on the Rapita Systems website at www.rapitasystems.com/downloads/target-integration-service.

Qualification support

We can provide documents and tests for qualification of our tools in DO-178B/C projects. We offer developer qualification kits separately for each RVS plugin and tool integration qualification support through our *Qualified target integration service*. Our qualification support is described in our *Tool Qualification* product briefs, which are available on the Rapita Systems website downloads page at www.rapitasystems.com/downloads.

Licensing options

You can purchase RVS Aero with either a **floating** or **node-locked license**:

- A **floating license** lets multiple people within an organization use RVS in a shared environment. Floating licenses follow an “Enterprise” model and can be used across geographical boundaries* by different projects and users.

*Some floating licenses may be restricted to use within a specific geographical region. Where this is the case, this is agreed before licenses are issued.

- A **node-locked license** lets you use RVS on a specific machine. A node-locked license can be shared between multiple people, but only one person can use it at a time. You can upgrade node-locked licenses to floating licenses for a fee.

Full terms of use for both license types are available in the Rapita Systems Software License Agreement.

For more detail on our software licensing options, see our *Software Licensing FAQ*, or contact us.

Licensing duration

You can purchase **RVS Aero** with either an **annual** or **perpetual** license.

- **Annual licenses** let you use **RVS** for a number of annual periods. This is useful for projects with shorter durations.
- **Perpetual licenses** let you use **RVS** indefinitely. This supports the use of **RVS** in projects with long life cycles.

You can convert an annual license to a perpetual license at any time while your license is active. Converting a license from annual to perpetual incurs a small fee, plus the purchase of at least a 1 year support and maintenance contract.

Support and maintenance

We include a period of support and maintenance in the purchase price for all **RVS Aero** products, providing you with:

- Access to downloads of the latest versions of our tools.
- Physical updates (CDs, manuals) of new major releases on request.
- Notification of any assurance issues and known issues in our products.
- Telephone and email access to our support team.

If you purchase **RVS Aero** with a perpetual license, we include support and maintenance for the first year. After this, you can purchase a Rapita support and maintenance contract separately, covering another year or multiple years in advance. If your support and maintenance was discontinued and you want to renew it, you must purchase the service from the date it was discontinued.

If you purchase **RVS Aero** with an annual license, we include support and maintenance for the full duration of the license period. Each time you renew your license, the support and maintenance period is extended.

As long as your license is covered by a support and maintenance contract, you can access the latest version of the tools, all bug fixes and the Rapita support team.

Frozen version support

If you require it, we can arrange long-life support for a version of our products by *freezing* the version. We can come to an arrangement and customize our frozen version support (RVS-aero-FVS) package to meet your needs.

Product codes

The product codes for our **RVS Aero** products are shown in Table 1.

Table 1. **RVS Aero** product codes

Product	License type	Product code		
		License duration		Support and maintenance
		Annual	Perpetual	
RVS Core	Floating	RVSc-aero-F-A	RVSc-aero-F-P	RVSc-aero-F-S
RapiTest		RPF-aero-F-A	RPF-aero-F-P	RPF-aero-F-S
RapiCover		RPC-aero-F-A	RPC-aero-F-P	RPC-aero-F-S
RapiCover ^{Zero}		RPCZ-aero-F-A	RPCZ-aero-F-P	RPCZ-aero-F-S
RapiTime		RPT-aero-F-A	RPT-aero-F-P	RPT-aero-F-S
RapiTime ^{Zero}		RPTZ-aero-F-A	RPTZ-aero-F-P	RPTZ-aero-F-S
RapiTask		RPZ-aero-F-A	RPZ-aero-F-P	RPZ-aero-F-S
RapiTask ^{Zero}		RPZZ-aero-F-A	RPZZ-aero-F-P	RPZZ-aero-F-S
RVS Core		Node-locked	RVSc-aero-N-A	RVSc-aero-N-P
RapiTest	RPF-aero-N-A		RPF-aero-N-P	RPF-aero-N-S
RapiCover	RPC-aero-N-A		RPC-aero-N-P	RPC-aero-N-S
RapiCover ^{Zero}	RPCZ-aero-N-A		RPCZ-aero-N-P	RPCZ-aero-N-S
RapiTime	RPT-aero-N-A		RPT-aero-N-P	RPT-aero-N-S
RapiTime ^{Zero}	RPCZ-aero-N-A		RPCZ-aero-N-P	RPCZ-aero-N-S
RapiTask	RPZ-aero-N-A		RPZ-aero-N-P	RPZ-aero-N-S
RapiTask ^{Zero}	RPZZ-aero-N-A		RPZZ-aero-N-P	RPZZ-aero-N-S



Rapita Systems Inc.
41131 Vincenti Ct.
Novi, MI 48375

Tel (USA):
+1 248-957-9801

Rapita Systems Ltd.
Atlas House, Osbaldwick Link Road
York, YO10 3JB
Registered in England & Wales: 5011090

Tel (UK/International):
+44 (0)1904 413945