



A DANLAW COMPANY

*Safety through quality*

## PRODUCT BRIEF

# Target Integration Service

# Product brief: Target Integration Services

## Introduction

At Rapita, we want to ensure that you achieve the best possible results from using our software verification solutions, including the Rapita Verification Suite (**RVS**) and Rapi**Daemons**. High-quality integrations will improve the efficiency of your verification process.

Our *Target Integration Services* ensure a high-quality integration of **RVS** and/or Rapi**Daemons** into your development environment. We offer Target Integration Services for integration with any customer platform, including multicore systems.

## RVS Target Integration Service

By using our **RVS** Target Integration Service, you can expect:

- A robust, qualifiable integration of **RVS** to work with your embedded target and development environment, including integration with any continuous integration tools you may be using (Figure 1).
- Expert guidance from a skilled Field Application Engineer (FAE) by telephone, email and face-to-face.
- Detailed documentation describing how this integration works with your development environment and how to use it, including tests to demonstrate that the integration works as expected.
- Dedicated support both during the process and afterwards.

Using this service reduces the time and effort you need to integrate **RVS** tools into your development environment so you can focus on the development of your product.

We also provide you with comprehensive reporting and support materials that guide your engineers in using the integration to run **RVS**, saving you valuable resources.

## Delivery process

Our *Target Integration Service* process is broken down into two phases:

1. Preparation and integration.
2. Deliverables and support.

### Phase 1: Preparation and integration

In this phase, one of our FAEs investigates your needs by telephone and then visits your site to conduct the integration:

- We call you to discuss your target system, including compilers, OS, processors, application and build system.
- Our FAE visits you and uses the information gathered previously to carry out a complete integration or the integration of a sub-system on-site or remotely.

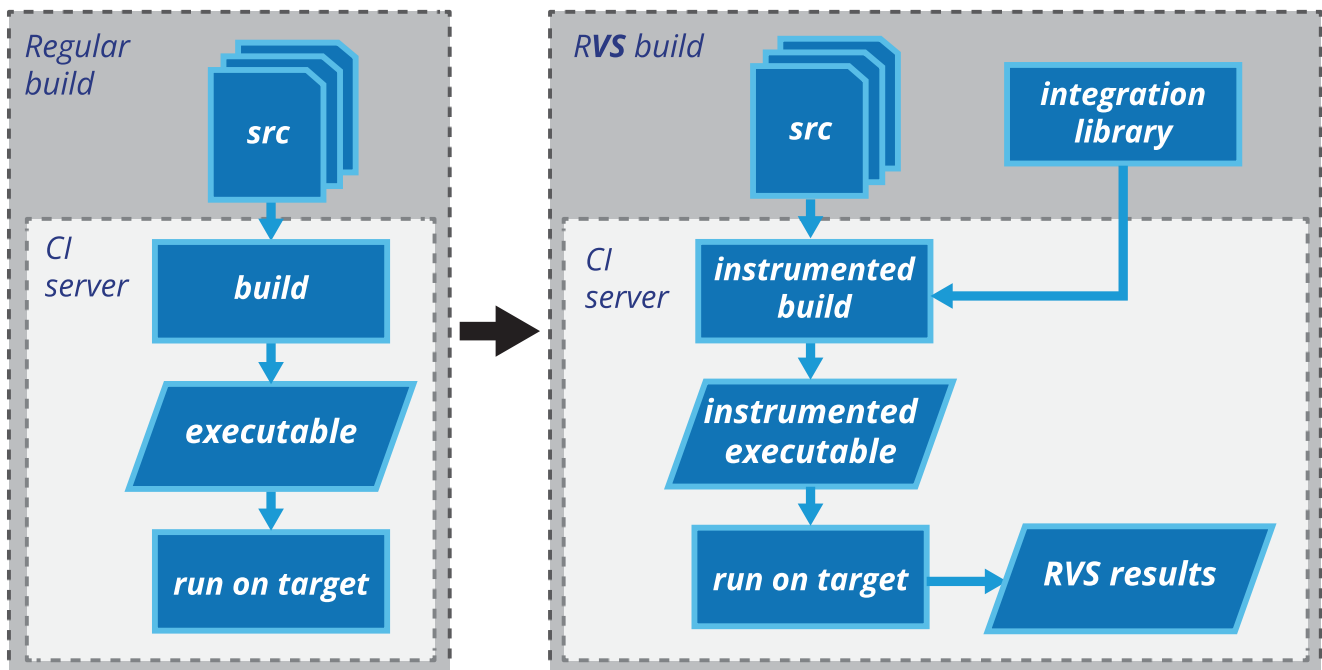


Figure 1. Integrating RVS into a development environment

## Phase 2: Deliverables and support

In the second phase, our FAE provides you with documentation, configures your system to generate reports and begins our support relationship with you:

- Deliverables – documentation describing how the integration works with your development environment, source code, instrumentation libraries and build scripts.
- Support package – in this final step we give you guidance by email or telephone to ensure you get the maximum possible benefit from the integration. We consider this to be just the beginning of our relationship – we offer continuous support to answer any questions you may have about the integration.

## RVS Qualified Target Integration Service

When you qualify an **RVS** tool for use in your project, you need to provide evidence showing how the integration works and demonstrating that its outputs are valid.

If we have integrated **RVS** into your development environment, we can support your tool qualification process by providing our *Qualified Target Integration Service*. See our *Tool Qualification Product briefs* for more information.

## RapiDaemon Target Integration Service

**RapiDaemons**, which are used to generate interference on multicore platforms to support multicore timing analysis, must be ported and configured for the multicore platform on which they are used. This is achieved through a Target Integration Service.

## RapiDaemon Qualification Service

When you qualify **RapiDaemons** for use in your project, you need to provide evidence showing that the **RapiDaemons** have been tested on your platform.

If we have ported and configured **RapiDaemons** for use on your multicore platform, we can support your tool qualification process by providing our *RapiDaemon Qualification Service*. See our *RapiDaemon Tool Qualification for DO-178C Product brief* for more information.



## About Rapita

Rapita Systems provides on-target software verification tools and services globally to the embedded aerospace and automotive electronics industries.

Our solutions help to increase software quality, deliver evidence to meet safety and certification objectives and reduce costs.

## Find out more

A range of free high-quality materials are available at:  
[rapitasystems.com/downloads](http://rapitasystems.com/downloads)

## SUPPORTING CUSTOMERS WITH:

### Tools

#### Rapita **Verification Suite:**

Rapi**Test**

Rapi**Cover**

Rapi**Time**

Rapi**Task**

### Engineering Services

#### V&V Services

Integration Services

Qualification

SW/HW Engineering

Compiler Verification

### Multicore verification

#### **MACH**<sup>178</sup>

Multicore Timing Solution

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