Rocket® C\Prof

Intuitive transaction profiling for IBM® CICS®

Reproducing a problem and identifying solutions with existing tools can be tedious, time consuming, and expensive. Rocket® C\Prof helps organizations get more business and operational value from IBM® CICS® internal trace data while it protects your IBM® z/OS® mainframe environment.

Whether you're an application developer, systems programmer, support person, project lead, tester, or analyst, Rocket C\Prof provides the added details you need to diagnose problems in your CICS applications faster—with minimal impact on your business-critical applications.

Product Benefits

Holistic, intuitive and easy to use

Increases insight while minimizing CICS resource drain

Captures and analyze problems as they occur

Holistic, intuitive and easy to use

Quickly identify problem transactions and drill down to see application events in detail. C\Prof lets you see individual transactions execute across multiple CICS regions, so you can spend less time sorting through diagnostic data and more time solving problems. It's intuitive and easy to use, and it provides value to staff across a range of roles and responsibilities.

The insights captured by C\Prof allow you to:

→ Select transactions based on your criteria; for example, transaction name and response time

→ Sift through millions of transactions with powerful find, filter, save, and sort capabilities

→ Identify all the programs used by a transaction, as well as the performance profile of each program

→ Follow the program flow across multiple CICS regions

→ Review all the application calls made by each program—including EXEC CICS as well as Db2®, JCICS, MQ, and IMS—in rich detail and with elapsed time analysis

→ Dive deep into the trace events associated with each transaction or application call in order to identify the cause of a delay or problem
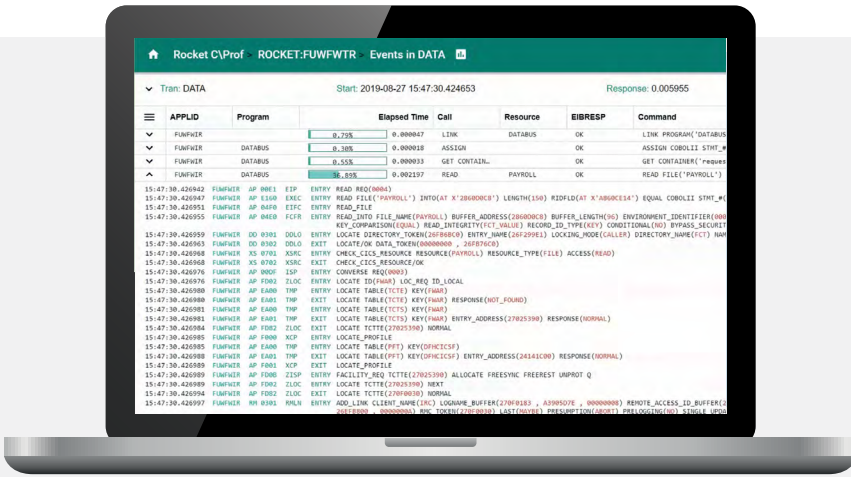
Figure 1:
Quickly and easily analyze a transaction right within Rocket C\Prof

Increase insight while minimizing CICS resource drain

Stop pulling precious resources away from business-critical applications. C\Prof runs outside of the CICS address space and requires no changes to CICS itself. You can collect and interpret trace data with significantly less impact on your business operations. Two different operating modes allow you to profile transactions from an application perspective or to collect trace data to diagnose system problems.

Captures and analyze problems as they occur

C\Prof lets you capture problems as they occur, potentially reducing the need to reproduce them. In less than a second, you can take a point-in-time snapshot of the CICS internal trace data and write it to an auxiliary trace-data set. Now you can capture and analyze problems when they first occur, without having to wait for them to happen again.
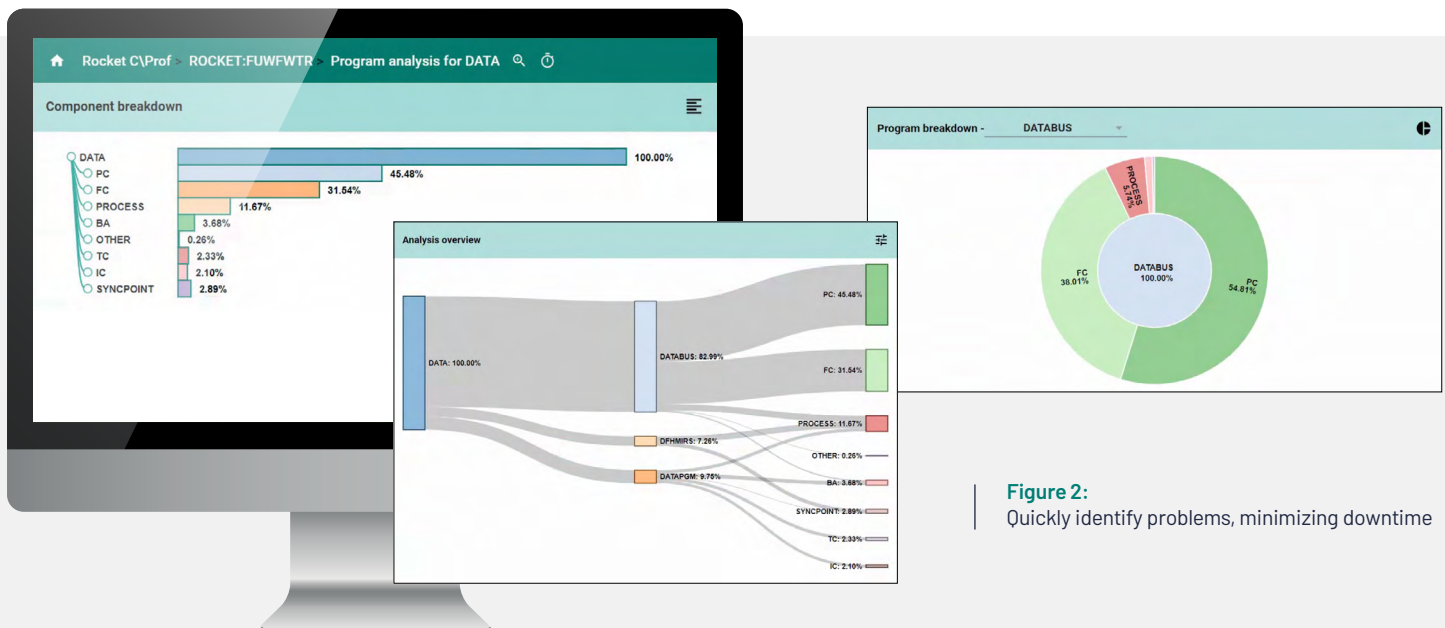
Figure 2:
Quickly identify problems, minimizing downtime

Features/Functionality:

Whether collecting data continuously or in short bursts, the insights captured by C\Prof allow you to:

- Select transactions based on your criteria; for example, transaction name and response time
- Sift through millions of transactions with powerful find, filter, save, and sort capabilities
- Identify all the programs used by a transaction, and the performance profile of each program
- Follow the program flow across multiple CICS regions
- Review all the application calls made by each program—including EXEC CICS as well as Db2, JCICS, MQ, and IMS—in rich detail and with elapsed time analysis
- Dive deep into the trace events associated with each transaction or application call in order to identify the cause of a delay or problem

Tech Specs:

Rocket C\Prof V1.3 has the following requirements:

- IBM System z10 or subsequent 64-bit z/Architecture processor
- z/OS V2.3 or later
- CICS Transaction Server for z/OS V5.3 or later
- IBM 64-bit SDK for z/OS, Java Technology Edition, V8 or later (required for web server)
- Google Chrome (recommended for web user interface)