

Rocket® C\Prof

Intuitive transaction profiling for IBM® CICS®

IBM® Customer Information Control System (CICS®) Transaction Server for z/OS is a critical part of your mainframe environment. Ensuring that applications are running well and the ability to quickly find and fix errors are daily requirements. But 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 CICS internal trace data. Whether you're an application developer, systems programmer, support person, project lead, tester or analyst, 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

- 1 Reduces downtime and helps users quickly resolve issues thanks to on-demand trace data
- 2 Operates externally to CICS
- 3 Provides comprehensive application analysis with an easy-to-use interface





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, easy to use, and provides value to staff across a range of roles and responsibilities.



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 the 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.

Easily identify problems, minimizing downtime

Rocket C\Prof > ROCKET:FUWFWTR > Events in DATA

Tran: DATA Start: 2019-08-27 15:47:30.424653 Response: 0.005955

APPLID	Program	Elapsed Time	Call	Resource	EIBRESP	Command
FUWFWTR		0.79%	0.000047	LINK	DATABUS	OK LINK PROGRAM('DATABUS
FUWFWTR	DATABUS	0.30%	0.000018	ASSIGN		OK ASSIGN COBOLII STMT_#
FUWFWTR	DATABUS	0.55%	0.000033	GET CONTAIN...		OK GET CONTAINER('reques
FUWFWTR	DATABUS	36.89%	0.002197	READ	PAYROLL	OK READ FILE('PAYROLL')

15:47:30.426942 FUWFWTR AP 00E1 EIP ENTRY READ REQ(0004)

15:47:30.426947 FUWFWTR AP E160 EXEC ENTRY READ FILE('PAYROLL') INTO(AT X'2860D0C8') LENGTH(150) RIDFLD(AT X'A860CE14') EQUAL COBOLII STMT_#(

15:47:30.426951 FUWFWTR AP 04F0 EIFC ENTRY READ_FILE

15:47:30.426955 FUWFWTR AP 04E0 FCFR ENTRY READ_INTD_FILE_NAME(PAYROLL) BUFFER_ADDRESS(2860D0C8) BUFFER_LENGTH(96) ENVIRONMENT_IDENTIFIER(000

15:47:30.426959 FUWFWTR DD 0301 DDLO ENTRY LOCATE DIRECTORY_TOKEN(26FB6BC0) ENTRY_NAME(26F299E1) LOCKING_MODE(CALLER) DIRECTORY_NAME(FCT) NAM

15:47:30.426963 FUWFWTR DD 0302 DDLO EXIT LOCATE/OK DATA_TOKEN(00000000 , 26FB76C0)

15:47:30.426968 FUWFWTR XS 0701 XSRC ENTRY CHECK_CICS_RESOURCE RESOURCE(PAYROLL) RESOURCE_TYPE(FILE) ACCESS(READ)

15:47:30.426968 FUWFWTR XS 0702 XSRC EXIT CHECK_CICS_RESOURCE/OK

15:47:30.426976 FUWFWTR AP 00DF ISP ENTRY CONVERSE REQ(0003)

15:47:30.426976 FUWFWTR AP FD02 ZLOC ENTRY LOCATE ID(FWAR) LOC_REQ_ID_LOCAL

15:47:30.426980 FUWFWTR AP EA00 TMP ENTRY LOCATE TABLE(TCTE) KEY(FWAR)

15:47:30.426980 FUWFWTR AP EA01 TMP EXIT LOCATE TABLE(TCTE) KEY(FWAR) RESPONSE(HOT_FOUND)

15:47:30.426981 FUWFWTR AP EA00 TMP ENTRY LOCATE TABLE(TCTS) KEY(FWAR)

15:47:30.426981 FUWFWTR AP EA01 TMP EXIT LOCATE TABLE(TCTS) KEY(FWAR) ENTRY_ADDRESS(27025390) RESPONSE(NORMAL)

15:47:30.426984 FUWFWTR AP FD02 ZLOC EXIT LOCATE TCTTE(27025390) NORMAL

15:47:30.426985 FUWFWTR AP F000 XCP ENTRY LOCATE_PROFILE

15:47:30.426985 FUWFWTR AP EA00 TMP ENTRY LOCATE TABLE(PFT) KEY(DFHICCSF)

15:47:30.426988 FUWFWTR AP EA01 TMP EXIT LOCATE TABLE(PFT) KEY(DFHICCSF) ENTRY_ADDRESS(24141C00) RESPONSE(NORMAL)

15:47:30.426989 FUWFWTR AP F001 XCP EXIT LOCATE_PROFILE

15:47:30.426989 FUWFWTR AP FD0B ZISP ENTRY FACILITY_REQ TCTTE(27025390) ALLOCATE FREESYCN FREEREST UNPROT Q

15:47:30.426989 FUWFWTR AP FD02 ZLOC ENTRY LOCATE TCTTE(27025390) NEXT

15:47:30.426994 FUWFWTR AP FD02 ZLOC EXIT LOCATE TCTTE(270F0030) NORMAL

15:47:30.426997 FUWFWTR RM 0301 RMLN ENTRY ADD_LINK_CLIENT_NAME(IRC) LOGNAME_BUFFER(270F0183 , A3905D7E , 00000008) REMOTE_ACCESS_ID_BUFFER(2

26FB8000 , 0000000A) RMC TOKEN(270F0030) LAST(MAYBE) PRESUMPTION(400RT) PRELOGGING(NO) SINGLE UPDA

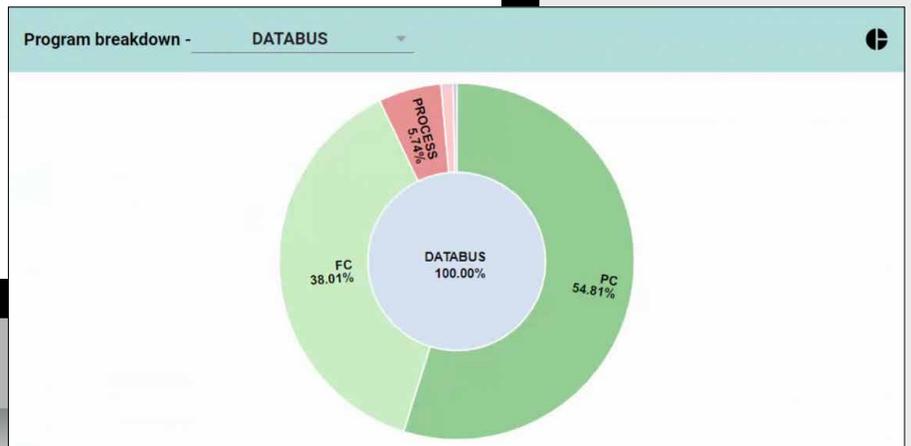
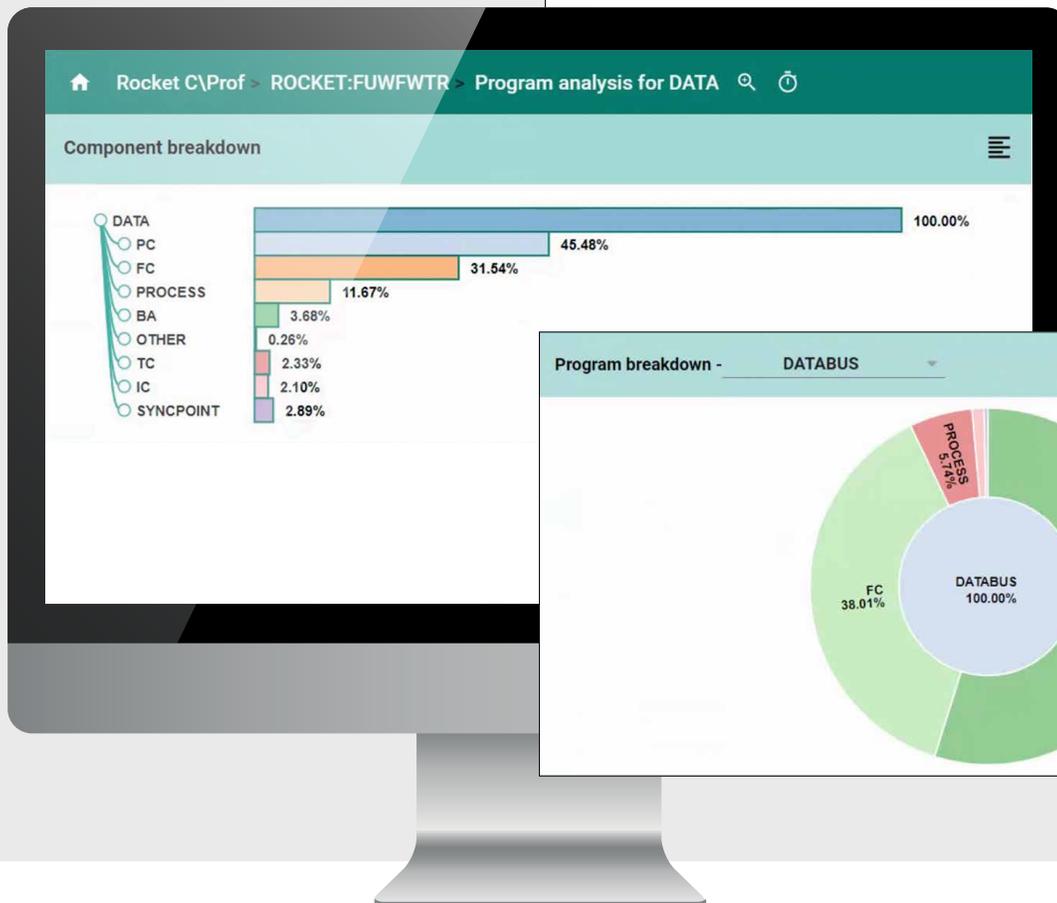
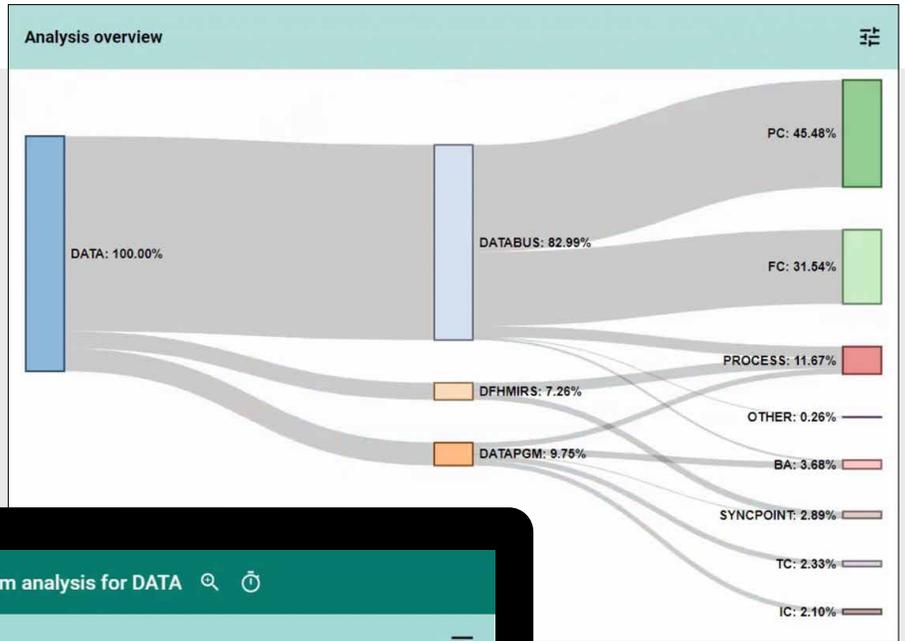




Capture and analyze problems as they occur

C\Prof lets you capture a problem as it occurs, potentially reducing the need to reproduce it. 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 waiting for them to happen again.

Quickly and easily analyze a transaction right within Rocket C\Prof



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 V1.2 has the following requirements:

- IBM System z10 or subsequent 64-bit z/Architecture processor
- z/OS V2.2 or later
- CICS Transaction Server for z/OS V5.1 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)

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