

# Appendix

- How to determine BIA query run time from RSRT statistics

# BI Accelerator Query Performance

The screenshot displays the SAP BI Accelerator interface for 'Statistics Data for Query Runtime'. The 'Aggregation Layer' tab is selected. A table lists query steps with columns for Step UID, Handling, Data Manager UID, Account, InfoProvider, Basis Provider, Aggregate, and timing metrics. Two red annotations highlight the 'Aggregation Layer' tab and the '\$X' suffix in the 'Aggregate' column.

Step UID	Ha...	Han...	Data Manager UID	Acc...	InfoProvider	Basis Provi...	Aggregate	T...	DM Prep...	DM Post...	Viewed at
43ZJSQ9VY9	1	OLAP	43ZJSSEP7VRE8L4U	1	0BWVC_005	0BWVC_005	0BWVC_005\$X		0,000000	0,000000	0,165106
43ZJSQ9VY9	1	OLAP	43ZJSSEP7VRE8L4U		0BWVC_005				0,128696	0,000000	0,000000

**To view aggregated statistics choose tab *Aggregation Layer***

**The \$X suffix shows the BIA index was used**

System Help | SAP

Statistics Data for Query Runtime

Frontend/Calculation Layer | **Aggregation Layer**

Step UID | Ha... | Han... | Data Manager UID | Acc... | InfoProvider | Basis Provi... | Aggregate | T... | DM Prep... | DM Post... | Viewed at

43ZJSQ9VY9 | 1 | OLAP | 43ZJSSEP7VRE8L4U | 1 | 0BWVC\_005 | 0BWVC\_005 | 0BWVC\_005\$X | | 0,000000 | 0,000000 | 0,165106

43ZJSQ9VY9 | 1 | OLAP | 43ZJSSEP7VRE8L4U | | 0BWVC\_005 | | | 0,128696 | 0,000000 | 0,000000

RSRT

# BI Accelerator Query Performance

The screenshot shows the SAP BI Accelerator interface. At the top, there is a menu bar with 'System' and 'Help'. Below it is a toolbar with various icons. The main title is 'Statistics Data for Query Runtime'. There are two tabs: 'Frontend/Calculation Layer' and 'Aggregation Layer'. Below the tabs is a toolbar with many icons. A table displays query statistics. The 'Viewed at' column for the first row is highlighted with a red box and a red arrow pointing to a text box. The text box contains the text: 'The total BIA engine time for the query was about 165 milliseconds'. At the bottom right, there is a status bar with 'RSRT' and a refresh icon.

Step UID	Ha...	Han...	Data Manager UID	Acc...	InfoProvider	Basis Provi...	Aggregate	T...	DM Prep...	DM Post...	Viewed at	SID
43ZJSQ9VY9	1	OLAP	43ZJSSEP7VRE8L4U	1	0BWVC_005	0BWVC_005	0BWVC_005		0,000000	0,000000	0,165106	0,000000
43ZJSQ9VY9	1	OLAP	43ZJSSEP7VRE8L4U		0BWVC_005				0,128696	0,000000	0,000000	0,000000

The total BIA engine time for the query was about 165 milliseconds

# BI Accelerator Query Performance

System Help

SAP

## Statistics Data for Query Runtime

Frontend/Calculation Layer Aggregation Layer

Step UID	Ha...	Han...	Data Manager UID	Acc...	InfoProvider	Basis Provi...	Aggregate	T...	DM Prep...	DM Post...
43ZJSQ9VY9	1	OLAP	43ZJSSEP7VRE8L4UJ2H0WVPW3	1	0BWVC_005	0BWVC_005	0BWVC_005		0,000000	0,000000
43ZJSQ9VY9	1	OLAP	43ZJSSEP7VRE8L4UJ2H0WVPW3		0BWVC_005				0,128696	0,000000

To analyze the query runtime in more detail,  
1. Copy the Data Manager UID: right-click in cell and select Copy Text

RSRT

# BI Accelerator Query Performance

The screenshot shows the SAP Data Browser interface. The title bar reads "Data Browser: Initial Screen". The main area has a "Table Name" field containing "RSDDSTATTREXSERV". A red box highlights the table name field, and a red arrow points from a yellow instruction box to it. The instruction box contains the following steps:

2. Start transaction SE16
3. Enter table name RSDDSTATTREXSERV
4. Choose *Table Contents*

The bottom status bar shows the transaction code "SE16" and a cursor icon.

# BI Accelerator Query Performance

Program Edit Goto Settings System Help

SAP

Data Browser: Table RSDDSTATTREXSERV: Selection Screen

Number of Entries

STATUID 43ZJSSEP7VRE8L4UJ2 to

TABLNM to

CALLTYPE Q to

RFC\_SERVER\_TIME to

TREX\_CLIENT\_TIME to

TREX\_KERNEL\_TIME

ABAP\_RFC\_TIME

KBYTES

Width of Output List 250

Maximum No. of Hits 500

5. Enter Data Manager UID  
6. Enter call type Q (not in drop down list)  
7. Choose *Execute*

SE16

# BI Accelerator Query Performance

The screenshot shows the SAP Data Browser interface for table RSDDSTATREXSERV. The table contains one entry with the following data:

CALLTYPE	RFC_SERVER_TIME	TREX_CLIENT_TIME	TREX_KERNEL_TIME	ABAP_RFC_TIME	KBYTES
Q	135	135	130	163	0,000

A red box highlights the columns RFC\_SERVER\_TIME, TREX\_CLIENT\_TIME, TREX\_KERNEL\_TIME, and ABAP\_RFC\_TIME. A callout box points to this area with the text: "Here the total BIA engine time of 165 milliseconds is broken down into parts".