

ABAP Runtime Analysis


The following documentation describes the runtime analysis application in the ABAP Workbench. The runtime analysis provides an overview of the duration of your source code, from individual statements up to complete transactions.

Choose ► *SAP Menu* ► *Test* ► *Runtime Analysis* ▢ or transaction **SE30** to start the runtime analysis. On the initial screen, you will find the four main functions of this tool. They can be activated using the appropriate pushbutton:

- Measurement in dialog status
- Measurement of external session
- Planning a measurement
- Selection of measurement restrictions
- Analyzing Measurement Results

For large applications it is recommended that you first analyze the entire application and hit list.

With the following information you can carry out the analysis, display and interpret the results, and use this as a basis for optimizing your programs.

 **Note**

Using the Runtime Analysis tool you can also analyze ICF services. In particular, you can measure Web Dynpro ABAP and BSP applications.

Topics:

Overview of Functions

- [Architecture and Navigation](#)
- [Starting the Tool: Initial Screen](#)
- [Measurable Components](#)
- [Time Recording](#)

Collecting Performance Data

- [Creating Performance Files](#)
- [Analyzing Performance Files](#)

Performance Results

- [Measurement Overview](#)
- [Statement Hit List](#)
- [Table Hit List](#)
- [Group Hit List](#)
- [Call Hierarchy](#)
- [Statistics](#)

Measuring External Processes

- [Starting the Process](#)
- [Stopping the Process](#)

Planning Measurements

- [Planning and Deleting Measurements](#)
- [Notes on Planning Measurements](#)

Performance Restrictions

- [Programs or Program Extracts](#)
- [Statements](#)
- [File Size and Time Limit](#)
- [Aggregation](#)

Additional Functions

- [Display Filter](#)
- [Managing Performance Files](#)
- [Saving Performance Files Locally](#)
- [Tips und Tricks](#)
- [Measuring Selected Source Code Extracts](#)