## Performance Analysis Transactions and Tools

### Workload Monitoring - ST03/ST03N

- What to Monitor in ST03/ST03N
- You can find more information about Workload Monitor from: Help portal [Workload Monitor](#).

### Snapshot Monitoring - SMON

SMON allows for the periodic collection of performance data such as CPU utilization, memory, work process utilization and samples, request queue lengths, and more.

Learn how to configure and schedule SMON: SAP Note 2651881 - How to configure SMON for performance monitoring and analysis.

For other information related to SMON, see [All About SMON](#).

SMON replaces the older snapshot tool /SDF/MON. We recommend using SMON when possible.

For information on /SDF/MON see SAP Note 2383809 - "How to use the SDF/MON tool to analyse performance issues".

### ABAP Performance Trace - ST12

- [ABAP and Performance Trace](#)
- [2436955](#) - Step by step instructions on how to use ST12 trace for analysis
- [2403517](#) - [WEBINAR] Interpreting traces collected with ST12

### ST05

- [How to run transaction st05 to trace a program, transaction or user execution](#)
- [2482775](#) - Optimizing Expensive SQL Statements - Guided Answers
<table>
<thead>
<tr>
<th>SE30 and SAT</th>
<th>STAD - Business Transaction Analysis</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>ABAP Runtime Analysis</strong></td>
<td><strong>STAD - ABAP Business Transaction Analysis</strong></td>
</tr>
<tr>
<td>2327539 - How to create a SE30 Trace for Web Dynpro ABAP Application [VIDEO]</td>
<td>SAP Note 552845 - FAQ: RFC Statistics in Transactions ST03/ST03 N and STAD</td>
</tr>
<tr>
<td></td>
<td>SAP Note 8963 - Definition of SAP response time/processing time/CPU time</td>
</tr>
</tbody>
</table>
### Other useful tools and reference

<table>
<thead>
<tr>
<th><strong>Kernel Snapshot</strong></th>
<th>The snapshots in the ABAP server aim to display important information about the current situation of the server. Wiki Page: Snapshots in the SAP System</th>
</tr>
</thead>
</table>
| **HTTPWatch Tool**  | HTTPWatch  
Note 2524696 - How to save HttpWatch traces automatically |
| **DPMON Tool**      | Related SAP Note: 42074 - Using the R/3 dispatcher monitor 'dpmon' Wiki Page: DPMON Dispatcher Monitor |
| **Tracing load balancing** | The guidelines for tracing load balancing can be found here;  
64015 - Test programs for load balancing  
1385815 - Tracing load balancing |
| **End-to-End Trace (E2E)** | Please see the help portal for End-to-End Trace: Problem Detection by End-to-End (E2E) Trace Analysis |
| **RSMEMORY**        | Related SAP Note: 177226 - Documentation rsmemory  
SAP Help Portal for Report RSMEMORY. |