

Claims:

1. A computer implemented method for application performance measurement and reporting comprising:
 - generating, in a first profiling session, a first parameter dataset including performance parameters related to performance of segments of an application;
 - creating a session report based on the first parameter dataset;
 - receiving comments for improving the performance of one or more of the segments of the application, based in part on the session report, wherein the comments relate to at least one of a hardware setup, runtime conditions, a part of the first application, a session timing, and a duration of the session; and
 - associating the received comments with corresponding one or more of the segments of the application; and
 - providing a consolidated report based on the first parameter dataset and the comments, wherein the consolidated report includes the first parameter dataset and the comments of the one or more segments of the application.
2. The computer implemented method as claimed in claim 1, wherein the generating the first parameter dataset comprises executing the segments in the first profiling session and measuring the performance parameters to obtain the first parameter dataset.
3. The computer implemented method as claimed in claim 2, wherein the performance parameters comprise at least one of processor utilization, memory utilization, network utilization, input-output utilization, database queries statistics, response time related statistics, session related statistics, throughput statistics, process thread statistics, and queue related statistics.
4. The computer implemented method as claimed in any one of the preceding claims, further comprising:
 - determining whether a performance parameter in the first parameter dataset lies outside a pre-specified range; and
 - prompting one or more users to provide the comments based on a positive determination.
- ~~5. The computer implemented method as claimed in any one of the preceding claims, wherein the comments relate to at least one of a hardware setup, runtime conditions, a part of the first application, a session timing and a duration of the session.~~
- ~~6.5.~~ The computer implemented method as claimed in claim 4, wherein the comments received from the one or more users are visually differentiated based on at least one of a user name and a network ID.

7.6. The computer implemented method as claimed in any one of the preceding claims, further comprising:
 receiving a second parameter dataset corresponding to a second application profiled in a second profiling session;
 identifying common segments between the first application and the a second application; and
 generating a comparison report for at least one of the common segments, based on the first parameter dataset and the second parameter dataset.

8.7. The computer implemented method as claimed in claim 76, wherein the second application is at least one of the first application and a modified version of the first application.

9.8. The computer implemented method as claimed in claim 76 or 87, wherein the second profiling session differs from the first profiling session in at least one of a hardware setup, runtime conditions, a session timing, and a duration of the session.

10.9. The computer implemented method as claimed in any one of claims 76 to 98, wherein the comparison report includes at least one comment received based in part on the session report.

11. A computer implemented method for performance measurement and reporting comprising:
 obtaining parameter datasets corresponding to performance parameters of applications profiled in two or more profiling sessions;
 identifying common segments between the applications; and
 generating a comparison report for one or more of the common segments, based on the parameter datasets.

12.10. The computer implemented method as claimed in claim 116, wherein the generating the comparison report comprises indicating, in the comparison report, visually, the changes in the performance parameters of the parameter datasets corresponding to the one or more of the common segments.

13.11. A system (102) for application performance measurement and reporting, the system comprising:
 a processor (104); and
 a memory (110) coupled to the processor (104), the memory (104) comprising:

a profiling module (116)-configured to profile performance of a first application and generate a first parameter dataset related to segments executed in the first application; and
 a reporting module (118)-configured to,
 provide a session report based on the first parameter dataset;
 receive comments for ~~altering~~ improving performance of one or more of the segments, wherein the comments relate to at least one of a hardware setup, runtime conditions, a part of the first application, a session timing, and a duration of a session; and
 associate the received comments with corresponding one or more of the segments of the application; and
 generate a consolidated reports based on at least one of the first parameter dataset and the comments, wherein the consolidated report includes the first parameter and the comments of the one or more segments of the application.

14.12. The system as claimed in claim 1311, wherein the reporting module (118)-is further configured to:

 determine whether at least one data point in the first parameter dataset deviates from a pre-specified range; and
 indicate the deviation in ~~a~~ the session report based on a positive determination; and
 prompt one or more users to provide the comments based on the positive determination.

15.13. The system as claimed in claim 1311 or 1412, further comprising a comparison module (120) configured to identify common segments between two or more applications.

16.14. The system as claimed in claim 1511, wherein the reporting module (118)-is further configured to generate a comparison report for comparing performance of one or more of the common segments.

17.15. The system as claimed in claim 1614, wherein the reporting module (118)-is further configured to:

 determine whether the performance of the one or more of the common segments has changed across the two or more applications; and
 indicate a change, in the performance, in the comparison report, based on a positive determination, wherein the comparison report includes the comments associated with the common segments.

18.16. A computer-readable medium having embodied thereon a computer program for executing a method comprising:

 generating a first parameter dataset in a first profiling session, the first parameter dataset

including performance parameters related to performance of segments of an application;

creating a session report based on the first parameter dataset;

receiving comments for improving the performance of one or more of the segments of the application, based in part on the session report, wherein the comments relate to at least one of a hardware setup, runtime conditions, a part of the first application, a session timing, and a duration of the session;

associating the received comments with corresponding one or more of the segments of the application; obtaining a second parameter dataset corresponding to a second profiling session; and

providing a ~~comparison-consolidated~~ report based on the first parameter dataset and the second ~~parameter-dataset~~ comments, wherein the ~~comparison-consolidated~~ report further includes the first parameter dataset and the comments of the one or more segments of the ~~associated with an application~~ profiled in at least one of the first profiling session and the second profiling session.