

What is claimed is:

1. A method for code snippet correction applied to a code server, the method comprising:

- reading a code correction configuration file uploaded by a terminal; the code correction configuration file comprising a path of source code file to be corrected and a path of target translation detail report;

- reading configuration parameters corresponding to the path of source code file to be corrected and the path of target translation detail report, and pre-verifying the configuration parameters;

- when the configuration parameters pass the pre-verification, acquiring a source code file to be corrected according to the path of source code file to be corrected;

- acquiring a target translation detail report according to the target translation detail report file path; the target translation detail report comprising a plurality of target correction items and snippet positioning information corresponding to each target correction item; and

- traversing each target correction item in the target translation detail report, correcting the source code file to be corrected according to the snippet positioning information corresponding to each target correction item, and generating the corrected source code file;

- wherein before the reading the code correction configuration file, the method further comprising:

- acquiring the initial translation detail report by acquiring a set of analysis result to be translated, and

- wherein acquiring the set of analysis result to be translated comprises:

- acquiring a source code file to be translated;

- reading a source code directory in the source code file to be translated; the directory of the source code file to be translated comprises a plurality of initial file names;

- traversing an initial code sub-file corresponding to each initial file name, and filtering out a sub-file of code to be translated; the sub-file of code to be translated

matching a preset language type;

looking up a parser matching the preset language type; and

acquiring snippet positioning information of the code snippet to be translated in the sub-file of code to be translated by the parser, extracting the code snippet to be translated based on the sub-file of code to be translated, and generating the set of analysis result to be translated according to the code snippet to be translated and the snippet positioning information; the set of analysis result to be translated comprising the code snippet to be translated in the sub-file of code to be translated and the context code snippet corresponding to the code snippet to be translated.

2. The method according to claim 1, wherein

the initial translation detail report including a plurality of code snippets to be translated and translated code snippets and snippet positioning information corresponding to each of the code snippets to be translated, and the plurality of code snippets to be translated comprising code snippets to be corrected; and

the method further comprising:

receiving a corrected code snippet based on the code snippet to be corrected and corresponding snippet positioning information and inputted by the terminal;

regarding each code snippet to be corrected and corresponding corrected code snippet and context code snippet as a target correction item; and

generating a target translation detail report according to the plurality of target correction items.

3. The method according to claim 2, wherein the receiving the corrected code snippet based on the code snippet to be corrected and corresponding snippet positioning information and inputted by the terminal comprises:

acquiring a code jump instruction uploaded by the terminal; the code jump instruction corresponding to the code snippet to be corrected;

acquiring a source code file to be corrected to which the code snippet to be corrected belongs based on the code jump instruction;

jumping to show the source code file to be corrected according to the snippet positioning information corresponding to the code snippet to be corrected;

detecting a code correction operation acting on the shown source code file to be corrected; and

extracting a corrected code snippet based on the code correction operation and inputted by the terminal.

4. The method according to claim 2, wherein the traversing each target correction item in the target translation detail report, correcting the source code file to be corrected according to the snippet positioning information corresponding to each target correction item, and generating the corrected source code file comprises:

extracting the code snippet to be corrected corresponding to each target correction item in the target translation detail report and the respective corrected code snippet;

looking up the code snippet to be corrected in the source code file to be corrected according to the snippet positioning information corresponding to each target correction item;

replacing the code snippet to be corrected in the source code file to be corrected with a corresponding corrected code snippet; and

when corrective processing corresponding to all target correction items is detected to be completed, rewriting the source code file to be corrected to obtain the corrected source code file.

5. The method according to claim 2, wherein the set of analysis result to be translated comprises a code snippet to be translated and a context code snippet corresponding to the code snippet to be translated; and

the method further comprising:

looking up a code processor matching the code snippet to be translated;

performing a syntax analysis on the code snippet to be translated according to the context code snippet by the code processor and identifying a target language type

and a translation policy of the code snippet to be translated;

performing a syntax analysis on the code snippet to be translated according to the context code snippet by the code processor and identifying a target language type and a translation policy of the code snippet to be translated;

calling a translator interface provided by a translator system by the code processor, the translator system being deployed on a translation server, the translator system translating the code snippet to be translated into a translated code snippet of corresponding target language type based on the translation policy; and

generating the initial translation detail report according to the code snippet to be translated and the translated code snippet and context code snippet corresponding to each code snippet to be translated.

6. An apparatus for code snippet correction, comprising:

a reading module configured to read a code correction configuration file uploaded by a terminal; the code correction configuration file comprising a path of source code file to be corrected and a path of target translation detail report; and read configuration parameters corresponding to the path of source code file to be corrected and the path of target translation detail report, and pre-verify the configuration parameters;

an acquiring module configured to, when the configuration parameters pass the pre-verification, acquire a source code file to be corrected according to the path of source code file to be corrected; and acquire a target translation detail report according to the target translation detail report file path; the target translation detail report comprising a plurality of target correction items and snippet positioning information corresponding to each target correction item; and

a correction module configured to traverse each target correction item in the target translation detail report, correct the source code file to be corrected according to the snippet positioning information corresponding to each target correction item, and generate the corrected source code file;

wherein the apparatus further comprises a generating module, before reading the code correction configuration file, is configured to acquire an initial translation detail report;

acquire a source code file to be translated;

read a source code directory in the source code file to be translated; the directory of the source code file to be translated includes a plurality of initial file names;

traverse an initial code sub-file corresponding to each initial file name, and filter out a sub-file of code to be translated; the sub-file of code to be translated matches a preset language type;

look up a parser matching the preset language type;

obtain an analysis result set through parsing the sub-file of code to be translated by the parser; the set of analysis result to be translated includes the code snippets to be translated in the sub-file of code to be translated and the context code snippets corresponding to the code snippets to be translated.

7. The apparatus according to claim 6, wherein the initial translation detail report comprising a plurality of code snippets to be translated and translated code snippets and snippet positioning information corresponding to each of the code snippets to be translated, and the plurality of code snippets to be translated comprising code snippets to be corrected; and

the generating module is further configured to:

receive a corrected code snippet based on the code snippet to be corrected and corresponding snippet positioning information and inputted by the terminal; regard each code snippet to be corrected and corresponding corrected code snippet and context code snippet as a target correction item; and generate a target translation detail report according to the plurality of target correction items.

8. A computer device comprising a memory and one or more processors, the memory storing computer-readable instructions that, when executed by the one or more

processors, causing the one or more processors to perform the following steps:

- reading a code correction configuration file uploaded by a terminal; the code correction configuration file comprising a path of source code file to be corrected and a path of target translation detail report;

- reading configuration parameters corresponding to the path of source code file to be corrected and the path of target translation detail report, and pre-verify the configuration parameters;

- when the configuration parameters pass the pre-verification, acquiring a source code file to be corrected according to the path of source code file to be corrected;

- acquiring a target translation detail report according to the target translation detail report file path; the target translation detail report comprising a plurality of target correction items and snippet positioning information corresponding to each target correction item; and

- traversing each target correction item in the target translation detail report, correct the source code file to be corrected according to the snippet positioning information corresponding to each target correction item, and generate the corrected source code file;

- the computer-readable instructions further causes the one or more processors to perform:

- acquiring, before the reading the code correction configuration file, an initial translation detail report to acquire a set of analysis result to be translated by:

- acquiring a source code file to be translated;

- reading a source code directory in the source code file to be translated; the directory of the source code file to be translated comprises a plurality of initial file names;

- traversing an initial code sub-file corresponding to each initial file name, and filtering out a sub-file of code to be translated; the sub-file of code to be translated matching a preset language type;

- looking up a parser matching the preset language type; and

- acquiring snippet positioning information of the code snippet to be translated in

the sub-file of code to be translated by the parser, extracting the code snippet to be translated based on the sub-file of code to be translated , and generating the set of analysis result to be translated according to the code snippet to be translated and the snippet positioning information; the set of analysis result to be translated comprising the code snippet to be translated in the sub-file of code to be translated and the context code snippet corresponding to the code snippet to be translated.

9. The computer device according to claim 8, wherein the initial translation detail report comprising a plurality of code snippets to be translated and translated code snippets and snippet positioning information corresponding to each of the code snippets to be translated, and the plurality of code snippets to be translated comprising code snippets to be corrected; and

when the computer-readable instructions are executed by the one or more processors, further causing the one or more processors to perform the following steps:

receiving a corrected code snippet based on the code snippet to be corrected and corresponding snippet positioning information and inputted by the terminal;

regarding each code snippet to be corrected and corresponding corrected code snippet and context code snippet as a target correction item; and

generating a target translation detail report according to the plurality of target correction items.

10. The computer device according to claim 9, wherein when the computer-readable instructions are executed by the one or more processors, further causing the one or more processors to perform the following steps:

acquiring a code jump instruction uploaded by the terminal; the code jump instruction corresponds to the code snippet to be corrected;

acquiring a source code file to be corrected to which the code snippet to be corrected belongs based on the code jump instruction;

jumping to show the source code file to be corrected according to the snippet

positioning information corresponding to the code snippet to be corrected;

detecting a code correction operation acting on the shown source code file to be corrected; and

extracting a corrected code snippet based on the code correction operation and inputted by the terminal.

11. The method according to claim 9, wherein the computer device, when the computer-readable instructions are executed by the one or more processors, causes the one or more processors to further perform the following steps:

extracting the code snippet to be corrected corresponding to each target correction item in the target translation detail report and the respective corrected code snippet;

looking up the code snippet to be corrected in the source code file to be corrected according to the snippet positioning information corresponding to each target correction item;

replacing the code snippet to be corrected in the source code file to be corrected with a corresponding corrected code snippet; and

when corrective processing corresponding to all target correction items is detected to be completed, rewriting the source code file to be corrected to obtain the corrected source code file.

12. The computer device according to claim 9, wherein the set of analysis result to be translated comprises a code snippet to be translated and a context code snippet corresponding to the code snippet to be translated; and

when the computer-readable instructions are executed by the one or more processors, further causing the one or more processors to perform the following steps:

looking up a code processor matching the code snippet to be translated;

performing a syntax analysis on the code snippet to be translated according to the context code snippet by the code processor and identifying a target language type

and a translation policy of the code snippet to be translated;

performing a syntax analysis on the code snippet to be translated according to the context code snippet by the code processor and identifying a target language type and a translation policy of the code snippet to be translated;

calling a translator interface provided by a translator system by the code processor, the translator system being deployed on a translation server, the translator system translating the code snippet to be translated into a translated code snippet of corresponding target language type based on the translation policy; and

generating the initial translation detail report according to the code snippet to be translated and the translated code snippet and context code snippet corresponding to each code snippet to be translated.

13. One or more non-volatile computer-readable storage medium storing computer-readable instructions that, when executed by one or more processors, causing the one or more processors to perform the following steps:

reading a code correction configuration file uploaded by a terminal; the code correction configuration file comprising a path of source code file to be corrected and a path of target translation detail report;

reading configuration parameters corresponding to the path of source code file to be corrected and the path of target translation detail report, and pre-verifying the configuration parameters;

when the configuration parameters pass the pre-verification, acquiring a source code file to be corrected according to the path of source code file to be corrected;

acquiring a target translation detail report according to the target translation detail report file path; the target translation detail report comprising a plurality of target correction items and snippet positioning information corresponding to each target correction item; and

traversing each target correction item in the target translation detail report, correcting the source code file to be corrected according to the snippet positioning

information corresponding to each target correction item, and generating the corrected source code file;

the computer-readable instructions further causes the one or more processors to perform:

acquiring an initial translation detail report to acquire a set of analysis result to be translated by:

acquiring a source code file to be translated;

reading a source code directory in the source code file to be translated; the directory of the source code file to be translated comprises a plurality of initial file names;

traversing an initial code sub-file corresponding to each initial file name, and filtering out a sub-file of code to be translated; the sub-file of code to be translated matching a preset language type;

looking up a parser matching the preset language type; and

acquiring snippet positioning information of the code snippet to be translated in the sub-file of code to be translated by the parser, extracting the code snippet to be translated based on the sub-file of code to be translated , and generating the set of analysis result to be translated according to the code snippet to be translated and the snippet positioning information; the set of analysis result to be translated comprising the code snippet to be translated in the sub-file of code to be translated and the context code snippet corresponding to the code snippet to be translated.

14. The storage medium according to claim 13, wherein the initial translation detail report comprising a plurality of code snippets to be translated and translated code snippets and snippet positioning information corresponding to each of the code snippets to be translated, and the plurality of code snippets to be translated comprising code snippets to be corrected; and

when the computer-readable instructions are executed by one or more processors, further causing the one or more processors to perform the following steps:

receiving a corrected code snippet based on the code snippet to be corrected and corresponding snippet positioning information and inputted by the terminal;

regarding each code snippet to be corrected and corresponding corrected code snippet and context code snippet as a target correction item; and

generating a target translation detail report according to the plurality of target correction items.

15. The storage medium according to claim 14, wherein when the computer-readable instructions are executed by one or more processors, further causing the one or more processors to perform the following steps:

acquiring a code jump instruction uploaded by the terminal; the code jump instruction corresponds to the code snippet to be corrected;

acquiring a source code file to be corrected to which the code snippet to be corrected belongs based on the code jump instruction;

jumping to show the source code file to be corrected according to the snippet positioning information corresponding to the code snippet to be corrected;

detecting a code correction operation acting on the shown source code file to be corrected; and

extracting a corrected code snippet based on the code correction operation and inputted by the terminal.

16. The storage medium according to claim 14, wherein when the computer-readable instructions are executed by one or more processors, further causing the one or more processors to perform the following steps:

extracting the code snippet to be corrected corresponding to each target correction item in the target translation detail report and the respective corrected code snippet;

looking up the code snippet to be corrected in the source code file to be corrected according to the snippet positioning information corresponding to each target correction item;

replacing the code snippet to be corrected in the source code file to be corrected with a corresponding corrected code snippet; and

when corrective processing corresponding to all target correction items is detected to be completed, rewriting the source code file to be corrected to obtain the corrected source code file.

17. The storage medium according to claim 14, wherein the set of analysis result to be translated comprises a code snippet to be translated and a context code snippet corresponding to the code snippet to be translated; and

when the computer-readable instructions are executed by one or more processors, further causing the one or more processors to perform the following steps:

looking up a code processor matching the code snippet to be translated;

performing a syntax analysis on the code snippet to be translated according to the context code snippet by the code processor and identifying a target language type and a translation policy of the code snippet to be translated;

performing a syntax analysis on the code snippet to be translated according to the context code snippet by the code processor and identifying a target language type and a translation policy of the code snippet to be translated;

calling a translator interface provided by a translator system by the code processor, the translator system being deployed on a translation server, the translator system translating the code snippet to be translated into a translated code snippet of corresponding target language type based on the translation policy; and

generating the initial translation detail report according to the code snippet to be translated and the translated code snippet and context code snippet corresponding to each code snippet to be translated.