

CLAIMS

1. An application download method, comprising:

downloading download description information of an application by using an HTTPS
5 channel, wherein the download description information comprises download address information;
and

downloading a first application package corresponding to the download address information
by using an HTTP channel.

2. The method of claim 1, wherein the download description information further comprises
10 download verification information, and the method further comprises:

verifying the locally downloaded first application package according to the download
verification information.

3. The method of claim 2, wherein the download verification information comprises a
uniform resource locator of the application, abstract information of the application, or signature
15 information of the application.

4. The method of claim 2 or 3, wherein verifying the locally downloaded first application
package comprises:

performing an abstract operation on the first application package according to an abstract
algorithm or performing a signature operation on the first application package;

20 comparing a result of the abstract operation or signature operation to the download
description information;

in response to the comparison indicating that the result of the abstract operation or signature
operation is consistent with the download description information, indicating that the verification
succeeds.

5. The method of claim 4, wherein the abstract operation comprises an operation that is
specified for abstract data types, and optionally wherein the abstract algorithm comprises an
MD5 algorithm.

6. The method of any one of claims 2 to 5, further comprising:

downloading a second application package corresponding to the download address information by using the HTTPS channel when the verification fails.

7. The method of claim 1, wherein the step of downloading download description information of an application by using an HTTPS channel comprises:

5 downloading, in response to a download instruction of a user, download description information of an application corresponding to the download instruction by using the HTTPS channel; and/or

 downloading, when a download condition is met, download description information of an application corresponding to the download condition by using the HTTPS channel.

10 8. The method of claim 7, wherein before the step of downloading a first application package corresponding to the download address information by using an HTTP channel, the method further comprises:

 locally storing the download description information of the application corresponding to the download condition; and

15 locally reading, in response to the download instruction of the user, the download description information of the application corresponding to the download instruction; and

 the step of downloading a first application package corresponding to the download address information by using an HTTP channel is specifically: downloading the first application package corresponding to the read download address information by using the HTTP channel.

20 9. The method of claim 7 or 8, wherein the download condition comprises one or more of the following conditions: when an application downloading tool is enabled, when an application is enabled, and when a synchronization request from a server is received.

 10. The method of claim 9, wherein when the download condition is that the application downloading tool is enabled, the application corresponding to the download condition comprises
25 a pre-configured application, and the pre-configured application comprises at least one of a popular application and a user configured application.

11. An application download device, comprising multiple modules configured to perform the method of any one of claims 1 to 10.