UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

FORM 6-K

REPORT OF FOREIGN ISSUER PURSUANT TO RULE 13a-16 OR 15d-16 OF THE SECURITIES EXCHANGE ACT OF 1934

For the month of March 2022

Commission file number: 001-39278

Kingsoft Cloud Holdings Limited

(Exact Name of Registrant as Specified in Its Charter)

Building E, Xiaomi Science and Technology Park, No. 33 Xierqi Middle Road, Haidian District Beijing, 100085, the People's Republic of China (Address of Principal Executive Offices)

Indicate by check mark whether the registrant files or will file annual reports under cover Form 20-F or Form 40-F.

Form 20-F ⊠ Form 40-F □

Indicate by check mark if the registrant is submitting the Form 6-K in paper as permitted by Regulation S-T Rule 101(b)(1):

Indicate by check mark if the registrant is submitting the Form 6-K in paper as permitted by Regulation S-T Rule 101(b)(7):

SIGNATURE

Pursuant to the requirements of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned, thereunto duly authorized.

Kingsoft Cloud Holdings Limited

Date: March 31, 2022

By: /s/ Haijian He

Name: Haijian He Title: Chief Financial Officer

EXHIBIT INDEX

Exhibit No.

Description 99.1 Press release entitled "Kingsoft Cloud Announces US\$100 Million Share Repurchase Program Plan"

Kingsoft Cloud Announces US\$100 Million Share Repurchase Program Plan

BEIJING, CHINA, March 31, 2022 – Kingsoft Cloud Holdings Limited ("we," "Kingsoft Cloud" or the "Company") (NASDAQ: KC), a leading independent cloud service provider in China, today announced that its board of directors has authorized the Company to adopt a share repurchase program under which the Company may repurchase up to US\$100 million of its ordinary shares in the form of American depositary shares ("ADSs") during a twelve-month period (the "Share Repurchase Program").

The Company's proposed repurchases, if adopted, may be made from time to time on the open market at prevailing market prices, in privately negotiated transactions, in derivative transactions, and/or through other legally permissible means, depending on market conditions and in accordance with applicable rules and regulations. The timing, structure and dollar amount of repurchase transactions will be subject to among others, the market conditions, terms to be agreed with the relevant repurchase agent, the trading prices of ADSs, and the Securities and Exchange Commission (the "SEC") Rule 10b-18 and/or Rule 10b5-1 requirements. The Company's board of directors will review the Share Repurchase Program periodically, and may authorize adjustment of its terms and size or suspend or discontinue the program. The Company plans to fund repurchases from its existing cash balance.

Safe Harbor Statement

This press release contains forward-looking statements. These statements are made under the "safe harbor" provisions of the U.S. Private Securities Litigation Reform Act of 1995. These forward-looking statements can be identified by terminology such as "will," "expects," "anticipates," "future," "intends," "plans," "believes," "estimates" and similar statements. Among other things, the Business Outlook, and quotations from management in this announcement, as well as Kingsoft Cloud's strategic and operational plans, contain forward-looking statements. Kingsoft Cloud may also make written or oral forward-looking statements in its periodic reports to the SEC, in its annual report to shareholders, in press releases and other written materials and in oral statements made by its officers, directors or employees to fourth parties. Statements that are not historical facts, including but not limited to statements about Kingsoft Cloud's beliefs and expectations, are forward-looking statements. Forward-looking statements involve inherent risks and uncertainties. A number of factors could cause actual results to differ materially from those contained in any forward-looking statement, including but not limited to the following: Kingsoft Cloud's goals and strategies; Kingsoft Cloud's future business development, results of operations and financial condition; relevant government policies and regulations relating to Kingsoft Cloud's business and industry; the expected growth of the cloud service market in China; the expectation regarding the rate at which to gain customers, especially Premium Customers; Kingsoft Cloud's ability to monetize the customer base; fluctuations in general economic and business conditions in China; the impact of the COVID-19 to Kingsoft Cloud's business operations and the economy in China and elsewhere generally; China's political or social conditions and assumptions underlying or related to any of the foregoing. Further information regarding these and other risks is included in Kingsoft Cloud's filings with the SEC. All information provided in this press release and in the attachments is as of the date of this press release, and Kingsoft Cloud does not undertake any obligation to update any forward-looking statement, except as required under applicable law.

About Kingsoft Cloud Holdings Limited

Kingsoft Cloud Holdings Limited (NASDAQ: KC) is a leading independent cloud service provider in China. Kingsoft Cloud has built a comprehensive and reliable cloud platform consisting of extensive cloud infrastructure, cutting-edge cloud products and well-architected industry-specific solutions across public cloud and enterprise cloud.

For more information, please visit: http://ir.ksyun.com.

For investor and media inquiries, please contact:

Kingsoft Cloud Holdings Limited

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