HKMA's Open API
Introductory Video

About HKMA's API

The HKMA launched Open API on its website. Users such as application developers, academic and research institutes can access the dedicated webpage for Open API via the homepage of the HKMA website. No application, registration or certification is required and it is free of charge.

The dedicated webpage contains a range of information that is available via Open API and aims to cover all financial data and important information published by the HKMA by phases. Information published on the HKMA website or via Open API will be updated concurrently.

In order to facilitate users, the dedicated webpage contains examples on how to write programmes to retrieve each set of relevant information.

Users can also access Open API webpage directly through the API link on the HKMA website. With Open API, users will be able to consolidate different information in a more efficient and flexible way. It also facilitates innovation by encouraging the development of new apps.

Now, let's take a look at how HKMA's Open API can be applied to the Coin Cart schedule.

Currently, members of the public can visit the HKMA website for the schedule and the latest location of the two Coin Carts.

After the launch of Open API on the HKMA website, application developers can develop new apps, such as mapping and navigation apps, to search for the location of the two Coin Carts. In addition to the "search" function, other useful information of the Coin Carts such as important notices and service hours can be integrated into the app. Together with route planning, members of the public will find it more convenient to locate and visit the Coin Carts.

Apart from the Coin Cart schedule, HKMA's Open API can also be applied to financial data.

Currently, if analysts need to obtain financial data published by the HKMA for research purpose, they may need to download the whole excel file and update the relevant data and charts in their own spreadsheets manually. With the launch of Open API, users can write programmes to retrieve various kinds of data directly from the HKMA website according to their needs, e.g. exchange rates. By selecting the type of currency, time frame, etc., the programme can generate a chart showing the trend of the exchange rate. If users would like to understand the trend of interest rates as well, relevant data can also be integrated into the programme. Open API enables users to consolidate different data in a more flexible way. The data can also be updated automatically on a regular basis.