

Article

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[Open Exchange](#)

Database of exchange rates of the Central Bank of the Russian Federation.

A full cycle project, from initial data initialization, daily update products from the official website, a service for sending a course on request and receiving a schedule for any period.

After installing the project, we will get a table of ruble exchange rates against the main currencies of the world established by the Central Bank of the Russian Federation for 2016-2021.

Launching the product service with default settings will allow you to receive daily new exchange rates for the current day.

If necessary, you can load the missing data with the product service by changing the parameter CountDay

The screenshot shows the InterSystems Management Portal interface. The browser address bar indicates the URL: `localhost:52663/csp/user/EnsPortal.ProductionConfig.zen?PRODUCTION=appmsw.cbrf.production`. The page title is "Production Configuration". The left sidebar shows the "Production Configuration" section expanded, with "Production Running" status. The main content area shows the "appmsw.cbrf.service.ExchangeRates" service configuration. The "Log" tab is selected, displaying a table of log entries. The table has columns: Type, Time, and Text. The log entries show the service starting, stopping, and then running successfully.

Type	Time	Text
Trace	2022-01-05 11:28:04.020	---Stop
Trace	2022-01-05 11:28:04.020	Stop If Loaded
Trace	2022-01-05 11:28:04.019	2022-01-04 Boot call from central bank is not required
Trace	2022-01-05 11:28:04.014	Loop backwards by dates :2022-01-04

Or in the terminal with the command:

```
do ##class(appmsw.cbrf.util).initDb("2021-01-01","2021-01-10")
```

You can get information for the required period by making a request to the rest service

You can also run a query in the terminal:

```
USER>D $System.SQL.Shell()  
[SQL]USER>>select CharCode, DateExchangeRates, Nominal, NumCode, Value from appmsw_cbrf.tabex where DateExchangeRates >= '2022-01-04' and DateExchangeRates <= '2022-01-05'
```

The data is quite real and can be used for calculation and analytical programs.

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Source URL: <https://community.intersystems.com/post/database-exchange-rates-central-bank-russian-federation>