

CNB exchange rates application



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CNB exchange rates application

- We created the solution for downloading of Exchange rates from API (CNB) and be able to adjust rate types of every exchange rate before storing to database. We decided to created this solution with using SAP UI5 application.



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CNB exchange rates app preview

Exchange Rates

Standard

Valid From: * Language: * From Currency(Exclude):

Exchange Rates

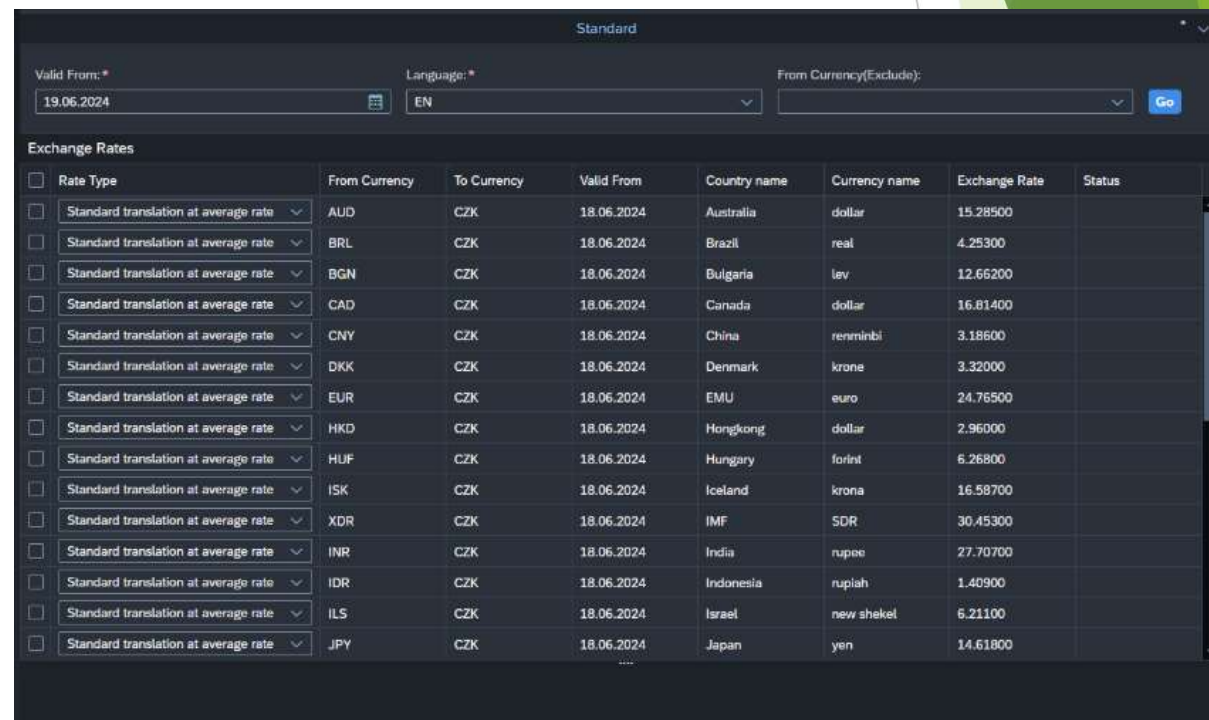
☐ Rate Type	From Currency	To Currency	Valid From	Country name	Currency name	Exchange Rate	Status
No data							



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CNB exchange rates app searching

- ▶ To load exchange rates, we need to define the validity start date and fill out Language parameter to define language of incoming rates. There is some additional parameter called From Currency where can be defined which of the currencies should be omitted
- ▶ After executing search by pressing button Go, data will be loaded from API to application with customizable Rate Type.



Standard

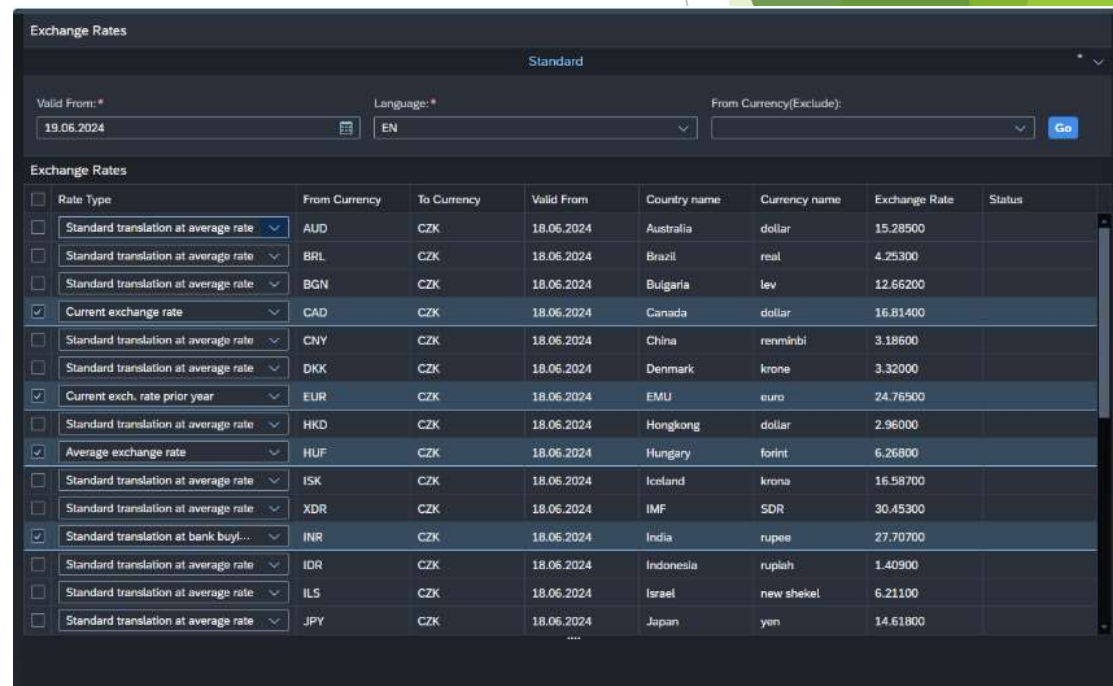
Valid From: * 19.06.2024 Language: * EN From Currency(Exclude): Go

Exchange Rates

☐ Rate Type	From Currency	To Currency	Valid From	Country name	Currency name	Exchange Rate	Status
☐ Standard translation at average rate	AUD	CZK	18.06.2024	Australia	dollar	15.28500	
☐ Standard translation at average rate	BRL	CZK	18.06.2024	Brazil	real	4.25300	
☐ Standard translation at average rate	BGN	CZK	18.06.2024	Bulgaria	lev	12.66200	
☐ Standard translation at average rate	CAD	CZK	18.06.2024	Canada	dollar	16.81400	
☐ Standard translation at average rate	CNY	CZK	18.06.2024	China	renminbi	3.18600	
☐ Standard translation at average rate	DKK	CZK	18.06.2024	Denmark	krone	3.32000	
☐ Standard translation at average rate	EUR	CZK	18.06.2024	EMU	euro	24.76500	
☐ Standard translation at average rate	HKD	CZK	18.06.2024	Hongkong	dollar	2.96000	
☐ Standard translation at average rate	HUF	CZK	18.06.2024	Hungary	forint	6.26800	
☐ Standard translation at average rate	ISK	CZK	18.06.2024	Iceland	krona	16.58700	
☐ Standard translation at average rate	XDR	CZK	18.06.2024	IMF	SDR	30.45300	
☐ Standard translation at average rate	INR	CZK	18.06.2024	India	rupee	27.70700	
☐ Standard translation at average rate	IDR	CZK	18.06.2024	Indonesia	rupiah	1.40900	
☐ Standard translation at average rate	ILS	CZK	18.06.2024	Israel	new shekel	6.21100	
☐ Standard translation at average rate	JPY	CZK	18.06.2024	Japan	yen	14.61800	

CNB exchange rates app working with loaded rates

- Once we are able to operate with loaded rates. There are drop-downs for every rate from which can be selected required rate type. When we are satisfied with selected rate types we need to select rate types that we want to store in database.
- After press button Approve all selected rates with chosen rate types are send to backend system to be stored in database. Table for storing of this Exchange rates is



Rate Type	From Currency	To Currency	Valid From	Country name	Currency name	Exchange Rate	Status
☐ Standard translation at average rate	AUD	CZK	18.06.2024	Australia	dollar	15.28500	
☐ Standard translation at average rate	BRL	CZK	18.06.2024	Brazil	real	4.25300	
☐ Standard translation at average rate	BGN	CZK	18.06.2024	Bulgaria	lev	12.66200	
☒ Current exchange rate	CAD	CZK	18.06.2024	Canada	dollar	16.81400	
☐ Standard translation at average rate	CNY	CZK	18.06.2024	China	renminbi	3.18600	
☐ Standard translation at average rate	DKK	CZK	18.06.2024	Denmark	krone	3.32000	
☒ Current exch. rate prior year	EUR	CZK	18.06.2024	EMU	euro	24.76500	
☐ Standard translation at average rate	HKD	CZK	18.06.2024	Hongkong	dollar	2.96000	
☒ Average exchange rate	HUF	CZK	18.06.2024	Hungary	forint	6.26800	
☐ Standard translation at average rate	ISK	CZK	18.06.2024	Iceland	krona	16.58700	
☐ Standard translation at average rate	XDR	CZK	18.06.2024	IMF	SDR	30.45300	
☒ Standard translation at bank buyi...	INR	CZK	18.06.2024	India	rupee	27.70700	
☐ Standard translation at average rate	IDR	CZK	18.06.2024	Indonesia	rupiah	1.40900	
☐ Standard translation at average rate	ILS	CZK	18.06.2024	Israel	new shekel	6.21100	
☐ Standard translation at average rate	JPY	CZK	18.06.2024	Japan	yen	14.61800	



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Thank you



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