

API lar bilan ishlash



Reja:

- 1. API tushunchasi
- 2. Postman dasturi
- 3. GSON POJO Convertor
- 4. Markaziy bank API dan foydalanish



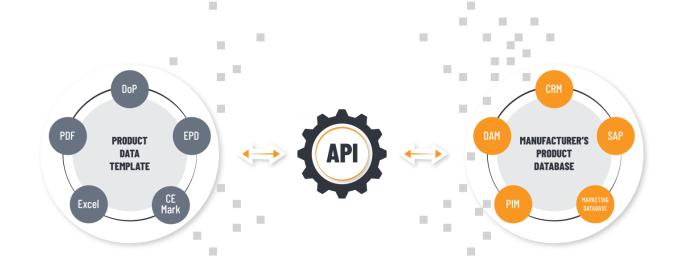




API tushunchasi

API - Application Programming Interface computer dasturlari o'rtasidagi ma'lumot almashinish qonun qoidalar majmuidir.







API tushunchasi

API — dasturchilar foydalanishi mumkin bo'lgan bir qancha methodlardan va ulardan foydalanish bo'yicha yo'riqnomadan iborat bo'lishi mumkin. Bunda dasturchi api ni taqdim qilgan tizim yoki api methodlarining ichki mexanizimi haqida bilishi shart emas. U api yo'riqnomasi bo'yicha uning methodlaridan foydalana olishi mumkin.

API-interface dasturchilarga tayyor funksionallardan foydalangan holda vaqt va energiyani tajash imkonini beradi. Bu esa yozildaigan kodni kam bo'lishini taminlaydi.





API tushunchasi

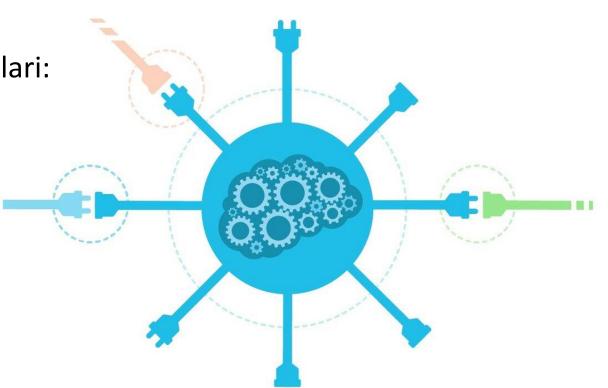
Hozirda keng tarqalga API turlari:

CORBA;

> RPC

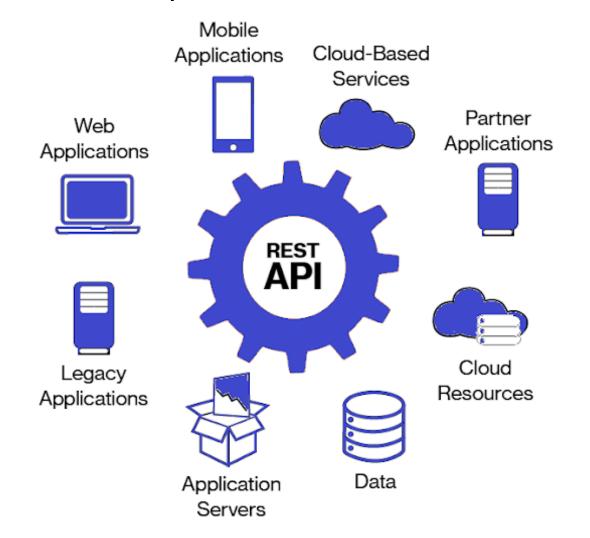
➤ SOAP API;

> REST API.

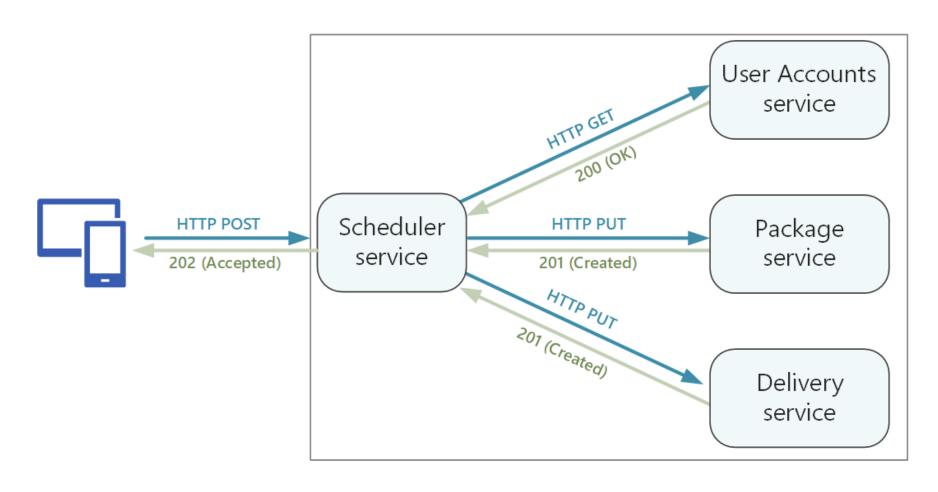




• REST - **Re**presentational **S**tate **T**ransfer

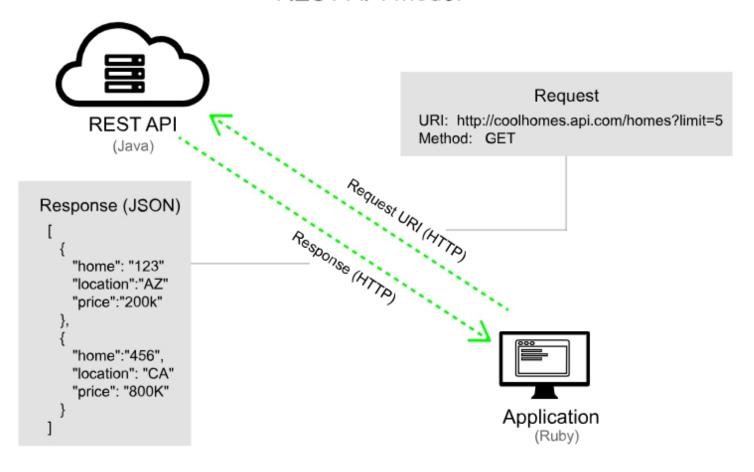






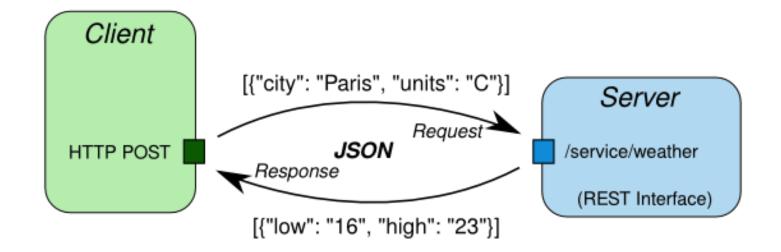


REST API model





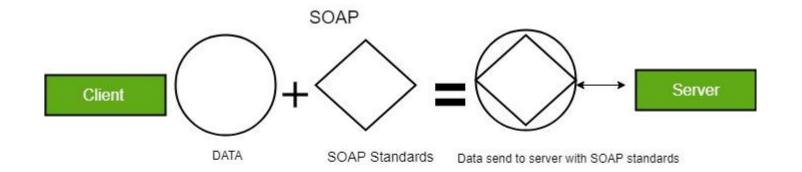
JSON / REST / HTTP

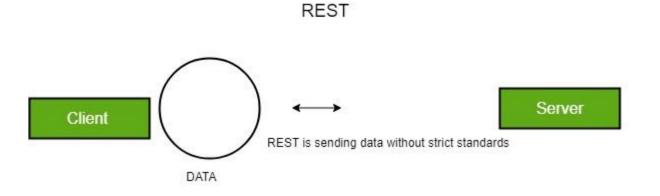






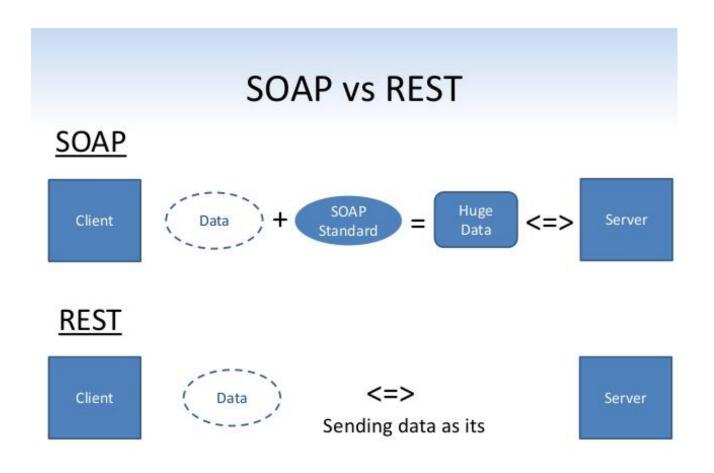
REST vs SOAP







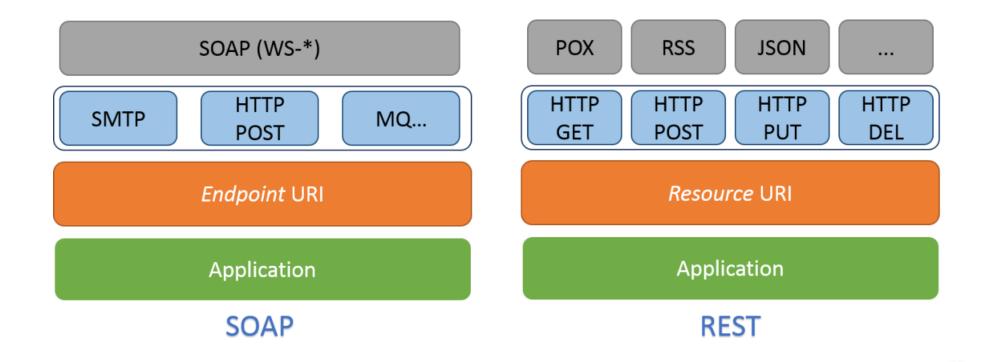
REST vs SOAP



^{*}REST are mostly used in industry



REST vs SOAP





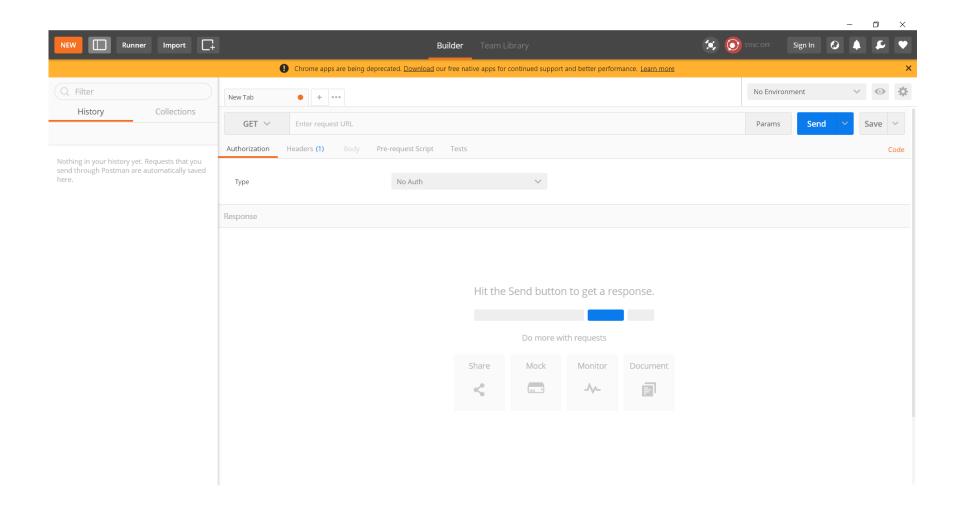
Postman dasturi

- Postman bu API lar bilan ishlashga mo'ljallangan dasturdir.
- https://www.postman.com/downloads/ havolasi orqali ko'chirib olish mumkin.
- API yaratish va test qilish uchun bepul foydalanish mumkin;
- Qo'shimcha imkoniyatlaridan foydalanish uchun pulli tariflaridan birini tanlashga to'g'ri keladi.



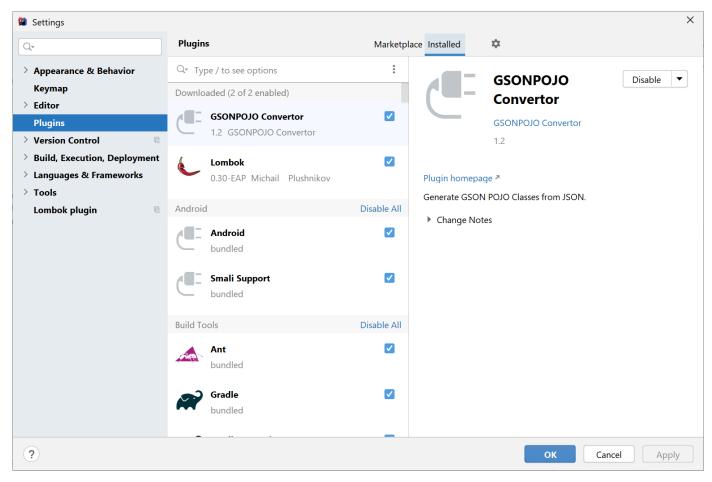


Postman dasturi





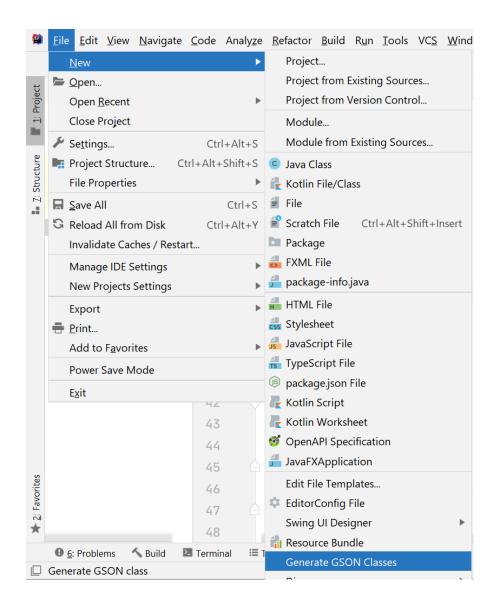
GSON POJO Convertor



https://plugins.jetbrains.com/plugin/9895-gsonpojo-convertor



GSON POJO Convertor



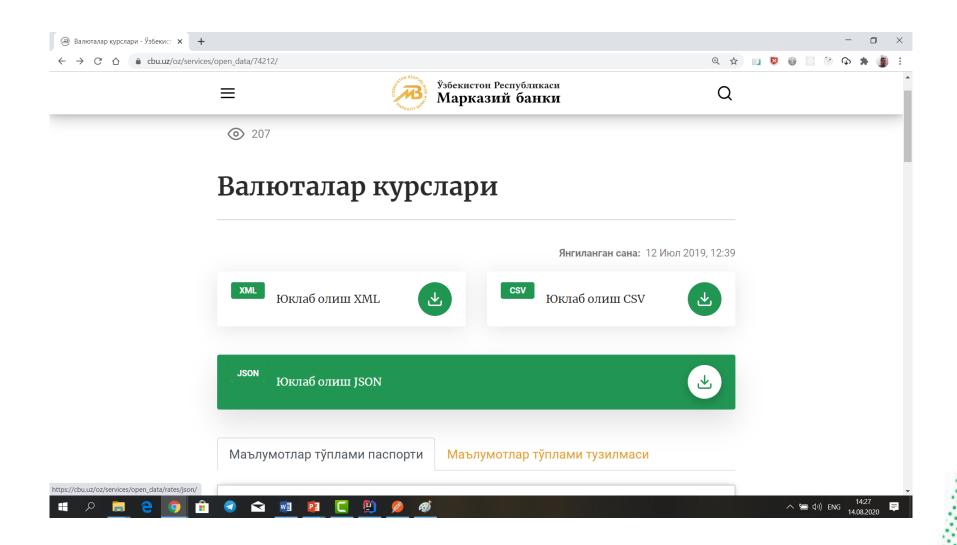


GSON POJO Convertor

(III) GSON POJO Generator			_		×	
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Class Name :						
		Generate				

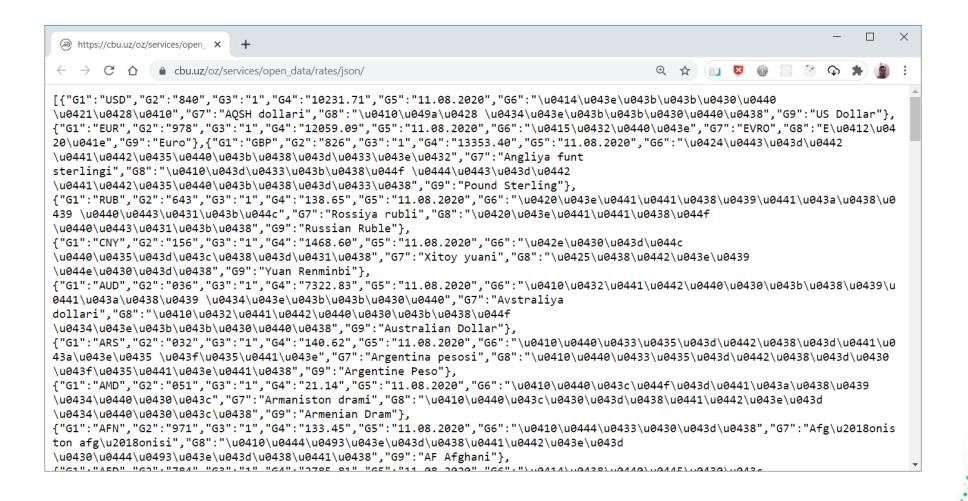


Markaziy bank API bilan ishlash



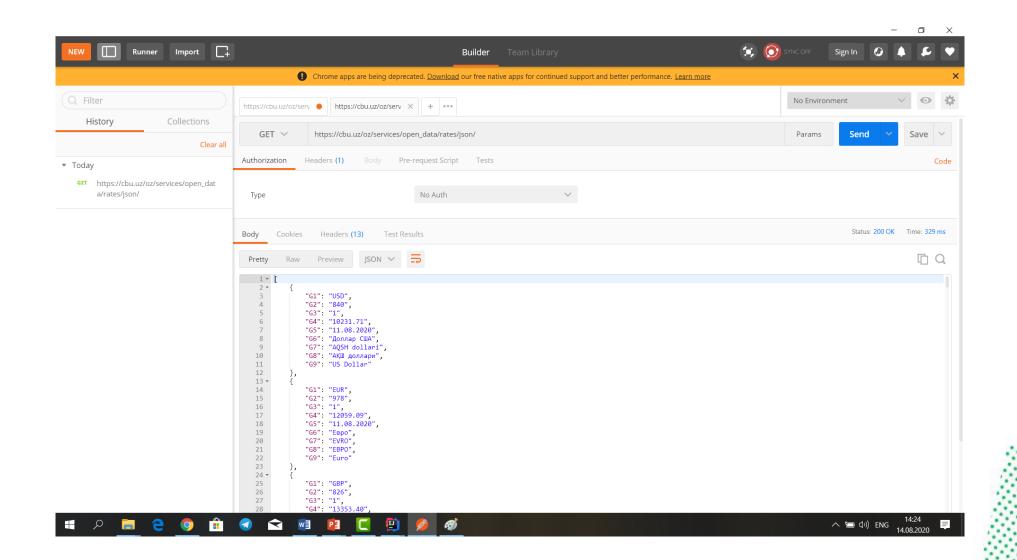


PDP IT-ACADEMY Markaziy bank API bilan ishlash





Markaziy bank API bilan ishlash





• Markaziy bank API bilan ishlash

GSON POJO Generator	_		×
"G1": "USD", "G2": "840", "G3": "1", "G4": "10231.71", "G5": "11.08.2020", "G6": "Доллар США", "G7": "AQSH dollari", "G8": "АҚШ доллари", "G9": "US Dollar"			
}			
✓ Getter ✓ Setter ✓ toString() ✓	Rewrite	Existing	Class
Class Name : Currency			
Generate			



E'TIBORINGIZ UCHUN RAXMAT