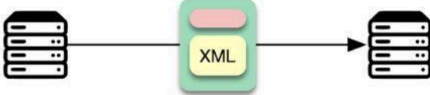


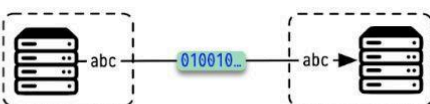
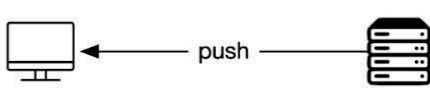
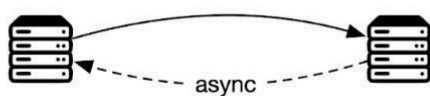


How many API architecture styles do you know?

API Architecture Styles



Style	Illustration	Use Cases
SOAP		XML-based for enterprise applications
RESTful		Resource-based for web servers
GraphQL		Query language reduce network load
gRPC		High performance for microservices
WebSocket		Bi-directional for low-latency data exchange
Webhook		Asynchronous for event-driven application

Architecture styles define how different components of an application programming interface (API) interact with one another. As a result, they ensure efficiency, reliability, and ease of integration with other systems by providing a standard approach to designing and building APIs. Here are the most used styles:

- ◆ SOAP:
Mature, comprehensive, XML-based
Best for enterprise applications
- ◆ RESTful:
Popular, easy-to-implement, HTTP methods
Ideal for web services

- ◆ GraphQL:
Query language, request specific data
Reduces network overhead, faster responses
- ◆ gRPC:
Modern, high-performance, Protocol Buffers
Suitable for microservices architectures
- ◆ WebSocket:
Real-time, bidirectional, persistent connections
Perfect for low-latency data exchange
- ◆ Webhook:
Event-driven, HTTP callbacks, asynchronous
Notifies systems when events occur

Over to you: Are there any other famous styles we missed?