





RPC调用过程中需要将参数编组为消息进行发送,接收方需要解组消息为参数,过程处理结果同 样需要经编组、解组。消息由哪些部分构成及消息的表示形式就构成了消息协议。

RPC调用过程中采用的消息协议称为RPC协议。

RPC协议规定请求、响应消息的格式

在TCP(网络传输控制协议)上可选用或自定义消息协议来完成RPC消息交互 我们可以选用通用的标准协议(如:http、https),也可根据自身的需要定义自己的消息协议! 茴

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常见RPC协议

2.1.1 RPC技术.mp4

■ 网易云课堂

NFS (Network File System) is one of the most prominent users of RPC Open Network Computing Remote Procedure Call, by Sun Microsystems
D-Bus open source IPC program provides similar function to CORBA.

SORCER provides the API and exertion-oriented language (EOL) for a federated method invocation JSON-RPC is a nRPC protocol that uses XML to encode its calls and HTTP as a transport mechanism.

JSON-RPC is an RPC protocol that uses JSON-encoded messages

JSON-WSP is an RPC protocol that uses JSON-encoded messages

SOAP is a successor of XML-RPC and also uses XML to encode its HTTP-based calls. mmunications Engine (Ice) distributed computing platform. Etch framework for building network services. Apache Thrift protocol and framework.

CORBA provides remote procedure invocation through an intermediate layer called the *object request broker*. Libevent provides a framework for creating RPC servers and clients. nunication Foundation is an application programming interface in the .NET framework for building connected, serviceoriented applications. Microsoft.NET Remoting offers RPC facilities for distributed systems implemented on the Windows platform. It has been superseded by The Microsoft DCOM uses MSRPC which is based on DCE/RPC
The Open Software Foundation DCE/RPC Distributed Computing Environment (also implemented by Microsoft).
Google Protocol Buffers (protocols) package includes an interface definition language used for its RPC protocols[13] open sourced in 2015 WAMP combines RPC and Publish-Subscribe into a single, transport-agnostic protocol. Google Web Toolkit uses an asynchronous RPC to communicate to the server service. [15] Apache Avro provides RPC where client and server exchange schemas in the connection handshake and code generation is not required. Embedded RPC is lightweight RPC implementation developed by NXP, targeting primary CortexM cores

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RPC核心概念术语



- > Client、Server、calls、replies、service, programs, procedures, version, marshalling(编组)、unmarshalling(解组)
- > 一个网络服务由一个或多个远程程序集构成
- 一个远程程序实现一个或多个远程过程
- > 过程、过程的参数、结果在程序协议说明书中定义说明
- 为兼容程序协议变更、一个服务端可能支持多个版本的远程程序













