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There are two types of messages involved in the implementation of an RPC system.

# Types of messages

- 1. Call Message
- 2. Reply Message

## Call Message

This message is sent by the client to the server for requesting execution of a particular remote procedure.

The two basic components necessary in a call message are

- 1. The arguments necessary for the execution of the procedure.
- 2. The identification information of remote procedure to be executed.

In addition to this, a call message normally has following fields

- A message type field: To distinguish call messages from reply messages.
- A client identification field: To permit server to check the authentication of client process for executing the concerned procedure.
- A message identification field: To consists of sequence numbers to identify duplicates.

### RPC call message format

1	Message	Message	Client	Program	Version	Procedure	Arguments
l	Identifier	Type	Identifier	No	No	No	

# Reply Message

If the RPC server receives a call message from client, it could be faced with one of the following conditions.

- The specified remote procedure is executed successfully.
- An exception condition occurs while executing the specified remote procedure.
- The server finds that the call message is not intelligible to it.
- The server detects by scanning the clients identifier field that the client is not authorized to use the service.
- The server finds that the remote program, version or procedure number is not available with it.

## A Successful Reply Message Format

	Message identifier	Message Type	Reply status(0)	(Successful)	Result	ı
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### A Unsuccessful Reply Message Format

Message Identifier		Result for Failure	ĺ
	(1)(Unsuccessful)		

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