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

Types of messages

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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

Message Identifier	Message Type	Client Identifier	Program No	Version No	Procedure No	Arguments
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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
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A Unsuccessful Reply Message Format

Message Identifier	Message Type	Reply status (1)(Unsuccessful)	Result for Failure
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