Method to handle an RPC data packet originating from a channel.

RpcDataHandler
Delegate

channel

Method to handle an RPC message.

RpcHandler
Delegate
rpc

Interface to an object that handles RPC messages.

IHandleRpc Interface

Methods

Interface to an object which reads RPC data packets from a remote caller and writes RPC data packets to a remote caller.

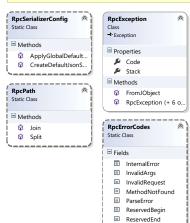
IRpcChannel
Interface

Methods

Close

Open
Read
Write

Diagnostics & Utilities Classes



An IRpcChannel object is constructed and given to an RpcConnection. The channel then reads and writes data packet strings for its connection when it is open.

An RPC channel can be any type of IPC channel such as STDIO, Domain Sockets, Named Pipes, TCP, etc. The RpcConnection object creates an RpcMessage object from each JSON data packet received from its channel.

Then it puts that message into a new RpcContext and hands THAT to the primary RpcRouter, which implements IHandleRpc. RpcMessage has 3 basic main data elements: Path, Arguments and Requestld. All other properties are informational only since they are derived from the main 3 elements and they are not serialized.

RpcContext contains an incoming message, information about the message and any objects that might be needed to fulfill the remote call represented by the message. If the message is a request, the RpcContext can be used to respond to that request.

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MethodNotFound

RpcContext

Respond (+ 2 overloads)

RespondWithArguments.

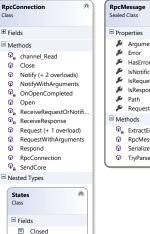
The primary RpcRouter object is a singleton object shared by all connections. It manages a set of sub-routers which all implement IHandleRpc, similar to RpcRouter itself. When a incoming RPC call arrives, it passes the RpcContext to each one of its handlers in order, until one of them returns true (handled/handling).

O IRpcChannel

RpcStdioChannel
Class

Help Fields

Methods
Close
Garage DefaultOnRead
DefaultOnReadNonRpc
Open
Garage process_OutputDataRec...
Read
ReadNonRpc
ReadNonRpc
ReadNonRpc
Resd
Resd
ResdChannel
Write



■ Closing

□ Opened□ Opening

RpcMessage
Sealed Class

Properties
Arguments
Fror
HasError
Is Notification
Is Request
IsResponse
Path
Requestd
Methods
RpcMessage
Serialize
TryParse

