RPC between python and perl

Asked 12 years, 8 months ago   Modified 11 years, 11 months ago

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I'm currently using json and http to call perl functions from python, but it's slow. Based on some research, messagepack is best for serialization and zeromq is the best transport. Both have cross platform bindings, but before I dig in, I would like to know what others are using for fast cross-language RPC (preferably with persistent tcp connections)

`python` `perl` `rpc` `zeromq` `msgpack`

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edited Dec 26, 2012 at 7:50

Kazuki Ohta
1,441 ● 17 ● 17

asked Apr 25, 2012 at 5:00

Jacob Stoner
1,113 ● 9 ● 10

2 Answers

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[Thrift](#) is a cross-language RPC platform designed to be extremely efficient and performant.

2

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After studying this for a couple days I'm going with ZeroMQ + messagepack. The ZeroMQ docs show how to use messagepack, and I can implement an RPC server or client in only a few lines. The ZeroMQ modules for perl and python both have JSON serialization built in, so it's possible to implement RPC with ZeroMQ alone, but messagepack will give a nice boost to my data heavy calls. Thrift looks nice too, but it adds an extra configuration file and is fairly high level. I am sure to get max performance with ZeroMQ and it leaves a lot more options open.

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I have a different need but it seems like perl5 and python3 message pack is not cross-platform? Can you please confirm the same if you could be able to do this for perl and python? – Gaurav Pant Nov 7, 2019 at 7:42