protobuf
Protocol Buffers - Google's data interchange format

[_____] Search projects

Project Home   **Downloads**   **Wiki**   **Issues**   **Source**

Search [Current pages ▼] for [_____] Search

☆ **ThirdPartyAddOns**
Links to third-party add-ons.

Updated Aug 13 (4 days ago) by xiaof...@google.com

Third-Party Add-ons for Protocol Buffers

This page lists code related to Protocol Buffers which is developed and maintained by third parties. You may find this code useful, but note that **none of these projects are affiliated with or endorsed by Google**; try them at your own risk. Also note that many projects here are in the early stages of development and not production-ready.

If you have a project that should be listed here, please send a message to the discussion group:

http://groups.google.com/group/protobuf

- Third-Party Add-ons for Protocol Buffers
  - Programming Languages
  - RPC Implementations
  - Other Utilities

Programming Languages

These are projects we know about implementing Protocol Buffers for other programming languages:

- Action Script: http://code.google.com/p/protobuf-actionscript3/
- Action Script: https://code.google.com/p/protoc-gen-as3/
- Action Script: https://github.com/matrix3d/JProtoc
- C: https://github.com/protobuf-c/protobuf-c
- C: http://koti.kapsi.fi/jpa/nanopb/
- C++: http://protobuf.googlecode.com/ (Google-official implementation)
- C/C++: http://spbc.sf.net/
- C#: http://code.google.com/p/protobuf-csharp-port
- C#: http://code.google.com/p/protosharp/
- C#: https://silentorbit.com/protobuf/
- C#/.NET/WCF/VB: http://code.google.com/p/protobuf-net/
- Clojure: http://github.com/ninjudd/clojure-protobuf
- Common Lisp: http://www.prism.gatech.edu/~ndantam3/docs/s-protobuf/
- Common Lisp: http://github.com/brown/protobuf
- D: http://256.makerslocal.org/wiki/index.php/ProtocolBuffer
- Dart: https://github.com/dart-lang/dart-protobuf (runtime) https://github.com/dart-lang/dart-protoc-plugin (code generator)
- Elixir: https://github.com/jeremyong/exprotoc
- Erlang: http://github.com/ngerakines/erlang_protobuffs/tree/master
- Erlang: http://piqi.org/
- Go: http://code.google.com/p/goprotobuf/
- Haskell: http://hackage.haskell.org/package/hprotoc
- Haxe: https://github.com/Atry/protoc-gen-haxe
- Java: http://protobuf.googlecode.com/ (Google-official implementation)
- Java/Android: https://github.com/square/wire
- Java ME: http://code.google.com/p/protobuf-javame/
- Java ME: http://swingme.sourceforge.net/encode.shtml
- Java ME: http://github.com/ponderingpanda/protobuf-j2me
- Java ME: http://code.google.com/p/protobuf-j2me/
- Javascript: http://code.google.com/p/protobuf-js/
- Javascript: http://github.com/sirikata/protojs
- Javascript: https://github.com/dcodeIO/ProtoBuf.js
- Julia: https://github.com/tanmaykm/ProtoBuf.jl
- Lua: http://code.google.com/p/protoc-gen-lua/

- Lua: http://github.com/indygreg/lua-protobuf
- Matlab: http://code.google.com/p/protobuf-matlab/
- Mercury: http://code.google.com/p/protobuf-mercury/
- Objective C: http://code.google.com/p/protobuf-objc/
- OCaml: http://piqi.org/
- Perl: http://groups.google.com/group/protobuf-perl
- Perl: http://search.cpan.org/perldoc?Google::ProtocolBuffers
- Perl/XS: http://code.google.com/p/protobuf-perlxs/
- PHP: http://code.google.com/p/pb4php/
- PHP: https://github.com/allegro/php-protobuf/
- PHP: https://github.com/chobie/php-protocolbuffers
- Python: http://protobuf.googlecode.com/ (Google-official implementation)
- R: http://cran.r-project.org/package=RProtoBuf
- Ruby: http://code.google.com/p/ruby-protobuf/
- Ruby: http://github.com/mozy/ruby-protocol-buffers
- Ruby: https://github.com/bmizerany/beefcake/tree/master/lib/beefcake
- Ruby: https://github.com/localshred/protobuf
- Rust: https://github.com/stepancheg/rust-protobuf/
- Scala: http://github.com/jeffplaisance/scala-protobuf
- Scala: http://code.google.com/p/protobuf-scala
- Vala: https://launchpad.net/protobuf-vala
- Visual Basic: http://code.google.com/p/protobuf-net/

RPC Implementations

These are RPC implementations that work with Protocol Buffers. Some of these actually work with Protocol Buffers service definitions (defined using the `service` keyword in `.proto` files) while others just use Protocol Buffers message objects.

- http://zeroc.com/ice.html (Multiple languages)
- http://code.google.com/p/protobuf-net/ (C#/.NET/WCF/VB)
- http://protorpc.lekebilen.com/ (Qt/C++, Java, Python)
- https://launchpad.net/txprotobuf/ (Python)
- http://code.google.com/p/protobuf-rpc/ (Python)
- http://code.google.com/p/protobuf-socket-rpc/ (Java, Python)
- http://github.com/bitiboy/fepss-rpc/tree/master (Java)
- http://code.google.com/p/proto-streamer/ (Java)
- http://code.google.com/p/server1/ (C++)
- http://deltavsoft.com/RcfUserGuide/Protobufs (C++)
- http://code.google.com/p/protobuf-mina-rpc/ (Python client, Java server)
- http://code.google.com/p/casocklib/ (C++)
- http://code.google.com/p/cxf-protobuf/ (Java)
- http://code.google.com/p/protobuf-remote/ (C++/C#)
- http://code.google.com/p/protobuf-rpc-pro/ (Java)
- https://code.google.com/p/protorpc/ (Go/C++)
- https://code.google.com/p/eneter-protobuf-serializer/ (Java/.NET)
- http://www.deltavsoft.com/RCFProto.html (C++/Java/Python/C#)
- https://github.com/robbinfan/claire-protorpc (C++)
- https://github.com/BaiduPS/sofa-pbrpc (C++)

Other Utilities

There are miscellaneous other things you may find useful as a Protocol Buffers developer.

- NetBeans IDE plugin
- Wireshark/Ethereal packet sniffer plugin
- Alternate encodings (JSON, XML, HTML) for Java protobufs
- Another JSON encoder/decoder for Java
- Editor for serialized protobufs
- Intellij IDEA plugin
- TextMate syntax highlighting
- Oracle PL SQL plugin
- XSDs to proto files converter
- Eclipse editor for protobuf (from Google)

- C++ Builder compatible protobuf
- Maven Protocol Compiler Plugin
    - https://github.com/sergei-ivanov/maven-protoc-plugin/
    - http://igor-petruk.github.com/protobuf-maven-plugin/
    - http://code.google.com/p/maven-protoc-plugin/
    - https://github.com/os72/protoc-jar-maven-plugin
- DocBook generator for .proto files
- Protobuf for nginx module
- RSpec matchers and Cucumber step defs for testing Protocol Buffers
- Sbt plugin for Protocol Buffers
- Gradle Protobuf Plugin
- Multi-platform executable JAR and Java API for protoc

Comment by s...@sbhr.dk, Mar 29, 2011

JavaScript?/Node implementation: http://code.google.com/p/protobuf-for-node/

Comment by michael....@gmail.com, Apr 12, 2011

I've added java-me output and ported the runtime library for protostuff, for yet another java-me protobuffer library.

Comment by rfug...@gmail.com, May 21, 2011

Another erlang implementation: http://code.google.com/p/protoc-gen-erl/

Comment by rjakabo...@gmail.com, Jun 23, 2011

Another Lua implementation: https://github.com/Neopallium/lua-pb

---

Comment by drsl...@pollinimini.net, Jun 25, 2011

Another PHP implementation: http://drslump.github.com/Protobuf-PHP

Comment by eigenein, Aug 9, 2011

Another Python implementation: http://eigenein.github.com/protobuf/

Comment by grzegorz...@gmail.com, Aug 27, 2011

SWI-Prolog Google Protocol Buffers support is in my opinion a nice addition to list : http://www.swi-prolog.org/pldoc/package/protobufs.html .

Comment by Petteri.Aimonen, Aug 31, 2011

Small code-size C implementation: http://koti.kapsi.fi/jpa/nanopb/

Comment by zhangyin...@gmail.com, Nov 2, 2011

A RPC framework based on ProtoBuf? and ZMQ. It is still under developing.

You can write client programs in Python, and implement RPC services server in C++.

https://github.com/ebencheung/arab

Comment by tvxqli...@yahoo.com, Nov 12, 2011

There are different types of shoes for various occasions such as for

school, sports, parties, etc, as well as according to seasons like

snowfall and rain. You can find all kinds of shoes in vibrant color

options to match your little one's attire. Go in for children's shoes

with Velcro straps or buckles instead of laces, as they are easy to wear

and remove for the child.

Comment by matt.ev...@plexxi.com, Nov 22, 2011

An Erlang implementation from Basho

https://github.com/basho/erlang_protobuffs

Comment by Grig...@gmail.com, Dec 13, 2011

C# RPC library for protobuf defined services using protobuf-csharp-port http://code.google.com/p/protobuf-csharp-rpc/

Comment by igor.pet...@gmail.com, Feb 9, 2012

This is a Maven Plugin that supports compilation of protoc files. The next release I'll try to make it compile .proto without protoc.exe installation. It will download appropriate version of protoc.exe in a jar from central, unpack it to temp dir and run from there. Unix version will require installation of protoc because it is nicely done with package managers.

http://igor-petruk.github.com/protobuf-maven-plugin/

Comment by clou...@gmail.com, Mar 1, 2012

A C library (code generation) from Cloud Wu , https://github.com/cloudwu/pbc/ And there is also a lua binding library (including lua parser).

Comment by PaulJHer...@gmail.com, Jun 14, 2012

"none of these projects are affiliated with or endorsed by Google"

Except the ones that are?

Comment by meepmeep...@gmail.com, Jun 16, 2012

https://github.com/haberman/upb/wiki C implementation with good documentation.

Comment by tunes@google.com, Jun 20, 2012

Another Common Lisp implementation: cl-protobufs, published by ITA (now part of Google) as part of http://common-lisp.net/project/qitab/

Comment by gulin.se...@gmail.com, Jul 7, 2012

Is there an RPC implementation for ZMQ?

Comment by milandin...@gmail.com, Nov 12, 2012

Delphi implementation http://sourceforge.net/projects/protobuf-delphi/

Comment by marasak...@gmail.com, Dec 1, 2012

3

Comment by philippe...@gmail.com, Jan 15, 2013

I found a C++/Python RPC implementation based on ZeroMQ at http://code.google.com/p/rpcz/ . In my own opinion, this seem to be the best C++ implementation I've seen so far. I think it would be in everyone's interest that you add it on this page.

Comment by lstar...@gmail.com, Jan 16, 2013

I write a plugin for VC2005-VC2012, which can be used to viewing the content of google::protobuf::RepeatedPtrField?<T>. Now I build an installing package, but how can I upload it?

Comment by lstar...@gmail.com, Jan 16, 2013

I create a project for my plugin, please visit http://code.google.com/p/w2-vc-debugger-addin/downloads/list

---

Comment by seiflo...@gmail.com, Jan 28, 2013

Hey guys, I wrote a small python converter from json/dict to protobuf and vice versa. https://github.com/NextTuesday/py-pb-converters It should cover even repeated fields. Only requirment is that one needs the classes generated by protobuf on the .proto files... Hope its useful, and feel free to report issues. Cheers Seif

---

Comment by maw...@ymail.com, Feb 24, 2013

Found this implementation for Javascript: http://code.google.com/p/protostuff/

Comment by dc...@dcode.io, Mar 6, 2013

https://github.com/dcodeIO/ProtoBuf.js

A protobuf implementation including a .proto parser, reflection, message class building and simple encoding and decoding in plain JavaScript?. No compilation step required, works out of the box on .proto files.

Comment by bo...@comoyo.com, Apr 4, 2013

I wish there was a more consolidated effort towards building an RPC system using protobuffers. The above list makes me want to cry.

Comment by awalterschulze, Apr 5, 2013

Hi

I have another Go implementation with some extensions

https://code.google.com/p/gogoprotobuf/

Comment by chaishus...@gmail.com, May 8, 2013

Google Protocol RPC for Go and C++:

https://bitbucket.org/chai2010/protorpc

https://code.google.com/p/protorpc/

Comment by akun....@gmail.com, Jul 3, 2013

a protobuf implementation for golang https://github.com/akunspy/gopbuf

---

Comment by dc...@dcode.io, Jul 11, 2013

PSON is a binary serialization format built on the simplicity of JSON and the encoding capabilities of Google's Protocol Buffers.

https://github.com/dcodeIO/PSON

Comment by Jesse.K....@gmail.com, Jul 29, 2013

Most recent developments for the D code is found: https://github.com/opticron/ProtocolBuffer

Comment by danr...@gmail.com, Aug 25, 2013

Please add a link for Wire, a lightweight implementation for Android: github.com/square/wire

Comment by robert.c...@costain.com, Aug 29, 2013

The link for http://code.google.com/p/protosharp/ no longer works. Should be removed.

Comment by Andrey.lletkin, Nov 18, 2013

Broken link in RPC Implementations : http://protorpc.lekebilen.com/ (Qt/C++, Java, Python)

Comment by q...@daurnimator.com, Nov 23, 2013

Comment by rjakabo...@gmail.com, Jun 23, 2011 Another Lua implementation: https://github.com/Neopallium/lua-pb

Still missing

Comment by rayt...@gmail.com, Dec 7, 2013

i hope you read my info **ASUS Fonepad Tablet 7 Inci Dengan Fungsi Telepon**

Comment by diego...@google.com, Dec 11, 2013

You should add the following scala compiler: https://github.com/SandroGrzicic/ScalaBuff It was created under the supervision of Viktor Klang, which says a lot.

Comment by dimon.e...@gmail.com, Dec 18, 2013

Delphi Google Protocol Buffers Impolementation Fundamentals Protocol Buffers 4.00.01 (10 Feb 2013) http://fundementals.sourceforge.net/dl.html It's also compatible with a FreePascal

Comment by sergei...@gmail.com, Dec 27, 2013

Protocol Buffers is used by SCaVis computational environment (http://jwork.org/scavis), see the method PFile to write data in a platform-neutral approach

Comment by mre...@googlemail.com, Jan 20, 2014

I wrote a language service for visual studio. can be found here: http://visualstudiogallery.msdn.microsoft.com/4bc0f38c-b058-4e05-ae38-155e053c19c5

Comment by monsterk...@gmail.com, Feb 14, 2014

Jual Knalpot Motor Racing

Comment by wangqiying@gmail.com, Mar 3, 2014

A fast C++ serialization and de-serialization of Google's protobuf Messages into/from JSON format. https://github.com/yinqiwen/pbjson

Comment by tanma...@gmail.com, Mar 13, 2014

A Julia language implementation, including a code generator is at : https://github.com/tanmaykm/ProtoBuf.jl

Comment by scsappin...@gmail.com, Mar 19, 2014

(No comment was entered for this change.)

Comment by scsappin...@gmail.com, Mar 19, 2014

(No comment was entered for this change.)

Comment by raydrax...@gmail.com, May 27, 2014

kata kata cinta | **kata kata bijak terbaru** | **cara menghilangkan jerawat**

Comment by couponci...@gmail.com, Jul 28, 2014

I have tried and implement one using proto buff, Need some changes in the function of Js and they are working for mainly simple useful features required for websites. thanks for such a useful resource. i tried it on one of my website http://www.icouponsindia.com and those functions worked like a charm.

Comment by elvst...@gmail.com, Aug 6, 2014

Hi, would be cool if someone could add a link to my new Google Protocol Buffers documentation generator plugin (Markdown / HTML / DocBook?) under "Other Utilities".

The plugin is at:

https://github.com/estan/protoc-gen-doc

Thanks!

Elvis Stansvik

Comment by cedric.l...@gmail.com, Aug 9, 2014

Hi,

Please consider to add a link to this project: https://code.google.com/p/chwthewke-protobuf/ on the ThirdPartyAddOns wiki page, at the maven section.

It's just for enhancement of documentation, I've just lost time to search where was this project ^^

Thanks

Comment by ara...@gmail.com, Aug 10, 2014

Yet another protocol buffer to json encoder https://github.com/myexpr/protobuf2json

---

Enter a comment: Hint: You can use Wiki Syntax.

Submit

Terms - Privacy - Project Hosting Help

Powered by Google Project Hosting