



Sharing Shiny Apps with Others Remotely

Sharing Apps to Run Locally

Once you've written your Shiny app, you can distribute it for others to run on their own computers—they can download and run Shiny apps with a single R command. This requires that they have R and Shiny installed on their computers.

If you want your Shiny app to be accessible over the web, so that users only need a web browser, see [Deploying Shiny Apps over the Web](#).

Deploying Shiny Apps over Web

Once you've written your Shiny app, you can make it available to anyone who has a web browser, using our Shiny Server software. You can either host the applications on your own server, or let us host your Shiny applications for you.

Self-hosted Shiny Server

Next Slide . . .

With our [Shiny Server](#) software, you can deploy Shiny applications over the web so that users need only a web browser and your application's URL. You'll need a Linux server and [Shiny Server](#).

Shiny Server is free and open source, though in the future we will offer a commercially licensed edition with additional features for larger organizations. If you'd like to be notified of future beta releases of Shiny Server, please [register now](#).

Two slides forward . . .

Shiny Server software

<https://github.com/rstudio/shiny-server> GitHub, Inc. [U...] Trash - ghubona@gma... Inbox | LinkedIn Tutorial: Building 'Shin... rstudio/shiny-server...

GitHub This repository ▾ [Explore](#) [Features](#) [Enterprise](#) [Blog](#) [Sign up](#) [Sign in](#)

PUBLIC **rstudio / shiny-server** ★ Star 124 🍴 Fork 28

240 commits 3 branches 9 releases 6 contributors

branch: master ▾ **shiny-server** /

Update to latest Q API, rely on scheduler to store appSpec.

trestletech authored 2 days ago latest commit 1dd1ea2e63

R	Track the PID of the leaf R process in the app worker for easier proc...	12 days ago
config	Fix bug in debian init.d script	5 months ago
lib	Update to latest Q API, rely on scheduler to store appSpec.	2 days ago
manual.test	Infinitely cache the supplemented appSpec.	16 days ago
src	Copyright headers	7 months ago
templates	Update templates/directoryIndex.html	6 months ago
test	Only track WS connections when throttling.	10 days ago
tools	Add script to build offline installer	6 months ago
.gitignore	More robust resuming of paused request	7 months ago
COPYING	Adding copyright	8 months ago
NEWS	Bumped to 0.4.0	a month ago

[Code](#)

[Issues](#) 10

[Pull Requests](#) 3

[Wiki](#)

[Pulse](#)

[Graphs](#)

[Network](#)

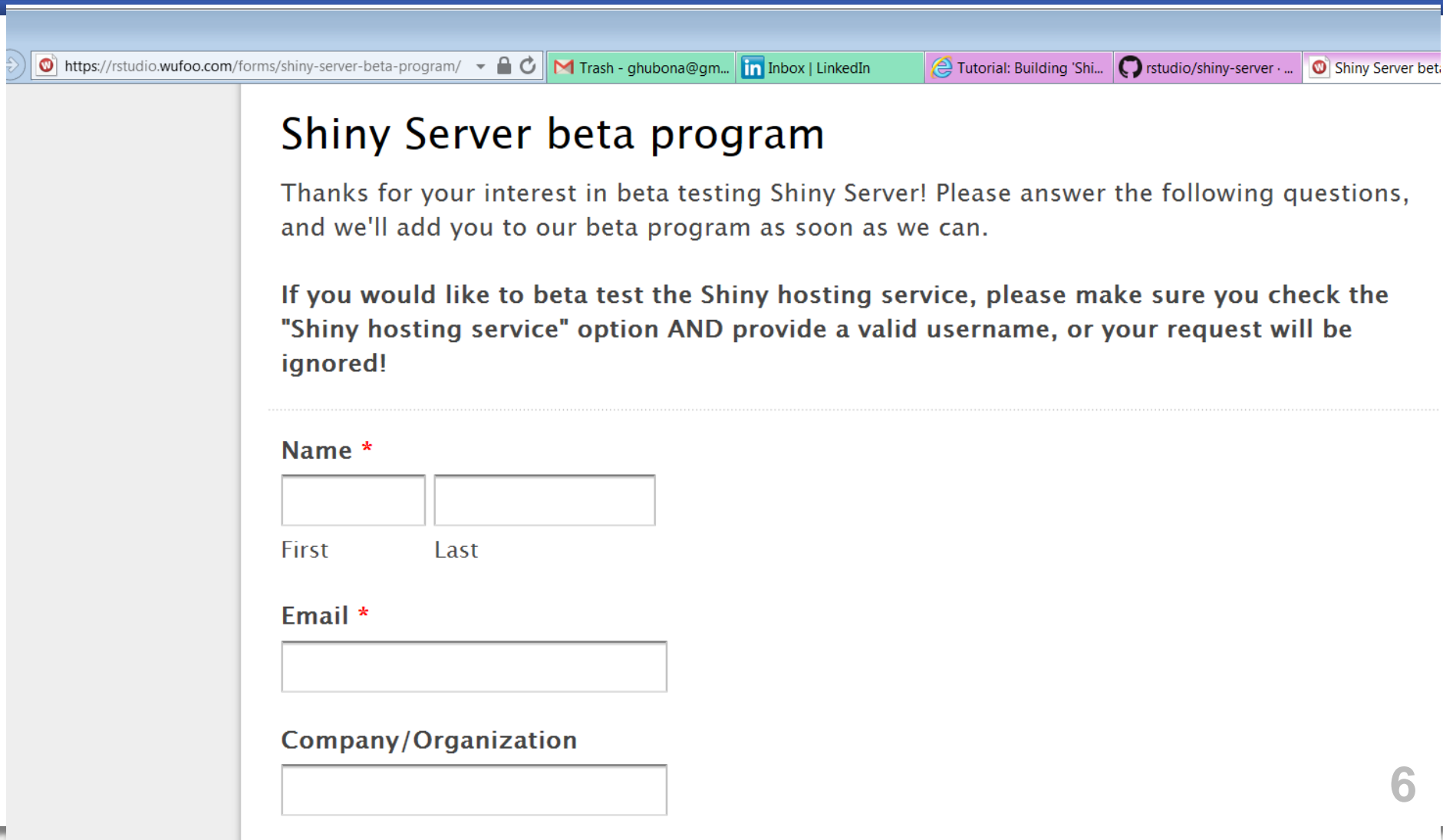
HTTPS clone URL

You can clone with [HTTPS](#), [Subversion](#), and [other methods](#).

Clone in Desktop

Download ZIP

Register now link . . .



The image is a screenshot of a web browser displaying the registration form for the Shiny Server beta program. The browser's address bar shows the URL <https://rstudio.wufoo.com/forms/shiny-server-beta-program/>. The browser's tab bar includes several tabs: 'Trash - ghubona@gm...', 'Inbox | LinkedIn', 'Tutorial: Building 'Shi...', 'rstudio/shiny-server - ...', and 'Shiny Server bet...'. The form itself has a title 'Shiny Server beta program' and a welcome message: 'Thanks for your interest in beta testing Shiny Server! Please answer the following questions, and we'll add you to our beta program as soon as we can.' Below this is a bold instruction: 'If you would like to beta test the Shiny hosting service, please make sure you check the "Shiny hosting service" option AND provide a valid username, or your request will be ignored!'. The form contains three main sections: 'Name *' with two input fields labeled 'First' and 'Last'; 'Email *' with a single input field; and 'Company/Organization' with a single input field. The form is styled with a light blue header and a light gray sidebar on the left.

<https://rstudio.wufoo.com/forms/shiny-server-beta-program/>

Trash - ghubona@gm... Inbox | LinkedIn Tutorial: Building 'Shi... rstudio/shiny-server - ... Shiny Server bet...

Shiny Server beta program

Thanks for your interest in beta testing Shiny Server! Please answer the following questions, and we'll add you to our beta program as soon as we can.

If you would like to beta test the Shiny hosting service, please make sure you check the "Shiny hosting service" option AND provide a valid username, or your request will be ignored!

Name *

First Last

Email *

Company/Organization

RStudio-hosted Shiny Server

Want to deploy over the web but prefer not to run your own server?
We're currently beta testing a subscription-based hosting service for Shiny. To apply for a free beta test account, [register now.](#)

Same as previous slide . . .

Pros

- Easiest for your users—only a web browser is required
- No need to run your own server

Cons

- Code and data must be copied to our servers

More Ways to Deliver Shiny Apps to Run Locally

Gist

See next slide . . .

See two slides forward. . .

One easy way is to put your code on gist.github.com, a code pasteboard service from [GitHub](https://github.com). Both `server.R` and `ui.R` must be included in the same gist, and you must use their proper filenames. See <https://gist.github.com/3239667> for an example.

Your recipient must have R and the Shiny package installed, and then running the app is as easy as entering the following command:

```
shiny::runGist('3239667')
```

In place of '3239667' you will use your gist's ID; or, you can use the entire URL of the gist (e.g. 'https://gist.github.com/3239667').

Pros

- Source code is easily visible by recipient (if desired)
- Easy to run (for R users)
- Easy to post and update

Cons

- Code is published to a third-party server


More Ways to Deliver Shiny Apps to Run Locally

https://gist.github.com/ Trash - ghubona@gma... Inbox | LinkedIn Tutorial: Building 'Shin... Gists PLS Applications Symp...

GitHub Gist

[Sign up for a GitHub Account](#) [Sign in](#)

Gist is a simple way to **share snippets and pastes** with others. All gists are git repositories, so they are automatically **versioned**, **forkable** and usable as a **git repository**.

 Gist description...

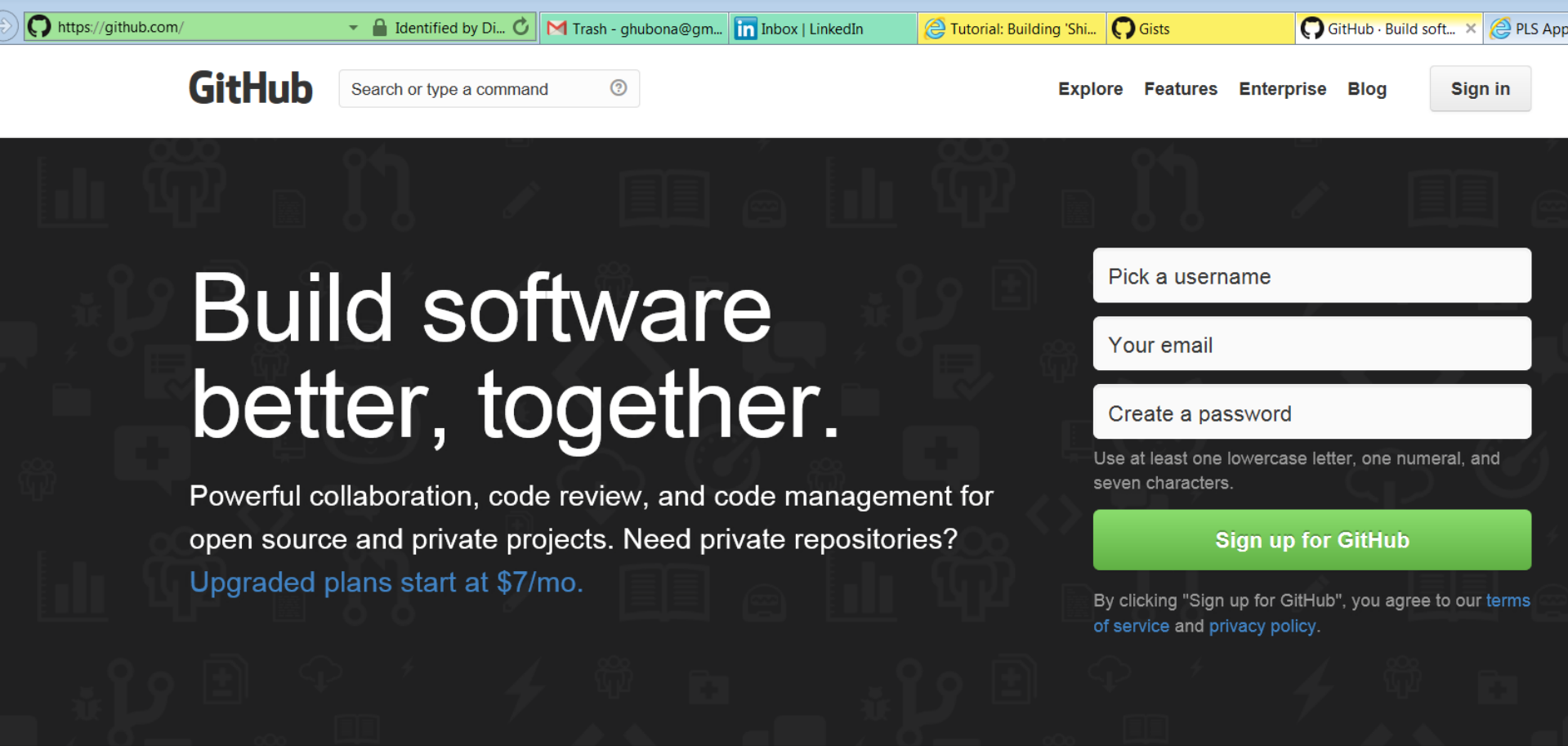
name this file... language: **Text** ☒ ACE Editor indent mode: **Spaces** indent size: **2**

1 |

9

[Add Another File](#) [Create Secret Gist](#) [Create Public Gist](#)

More Ways to Deliver Shiny Apps to Run Locally



The image is a screenshot of the GitHub homepage. At the top, there's a browser address bar showing 'https://github.com/'. Below it, the GitHub logo is on the left, followed by a search bar with the placeholder text 'Search or type a command'. To the right of the search bar are links for 'Explore', 'Features', 'Enterprise', and 'Blog'. Further right is a 'Sign in' button. The main content area has a dark background with a pattern of faint icons. On the left, the text 'Build software better, together.' is prominently displayed. Below this, a paragraph describes GitHub as a platform for collaboration, code review, and code management, mentioning that upgraded plans start at \$7/mo. On the right side, there's a sign-up form with three input fields: 'Pick a username', 'Your email', and 'Create a password'. Below these fields is a green button labeled 'Sign up for GitHub'. At the bottom of the sign-up section, there's a note stating that by clicking 'Sign up for GitHub', the user agrees to the terms of service and privacy policy.

https://github.com/

Identified by Di...

Trash - ghubona@gm...

Inbox | LinkedIn

Tutorial: Building 'Shi...

Gists

GitHub - Build soft...

PLS App

GitHub

Search or type a command

Explore Features Enterprise Blog

Sign in

Build software better, together.

Powerful collaboration, code review, and code management for open source and private projects. Need private repositories? Upgraded plans start at \$7/mo.

Pick a username

Your email

Create a password

Use at least one lowercase letter, one numeral, and seven characters.

Sign up for GitHub

By clicking "Sign up for GitHub", you agree to our [terms of service](#) and [privacy policy](#).

More Ways to Deliver Shiny Apps to Run Locally

GitHub repository

If your project is stored in a git repository on GitHub, then others can download and run your app directly. An example repository is at https://github.com/rstudio/shiny_example. The following command will download and run the application:

```
shiny::runGitHub('shiny_example', 'rstudio')
```

In this example, the GitHub account is 'rstudio' and the repository is 'shiny_example'; you will need to replace them with your account and repository name.

Pros

- Source code is easily visible by recipient (if desired)
- Easy to run (for R users)
- Very easy to update if you already use GitHub for your project
- Git-savvy users can clone and fork your repository

Cons

- Developer must know how to use git and GitHub
- Code is hosted by a third-party server

More Ways to Deliver Shiny Apps to Run Locally

Zip File, delivered over the web

If you store a zip or tar file of your project on a web or FTP server, users can download and run it with a command like this:

```
runUrl('https://github.com/rstudio/shiny_example/archive/master.zip')
```

The URL in this case is a zip file that happens to be stored on GitHub; replace it with the URL to your zip file.

Pros

- Only requires a web server for delivery

Cons

- To view the source, recipient must first download and unzip it

More Ways to Deliver Shiny Apps to Run Locally

Zip File, copied to recipient's computer

Another way is to simply zip up your project directory and send it to your recipient(s), where they can unzip the file and run it the same way you do (`shiny::runApp`).

Pros

- Share apps using e-mail, USB flash drive, or any other way you can transfer a file

Cons

- Updates to app must be sent manually

More Ways to Deliver Shiny Apps to Run Locally

Package

If your Shiny app is useful to a broader audience, it might be worth the effort to turn it into an R package. Put your Shiny application directory under the package's `inst` directory, then create and export a function that contains something like this:

```
shiny::runApp(system.file('appdir', package='packagename'))
```

where `appdir` is the name of your app's subdirectory in `inst`, and `packagename` is the name of your package.

Pros

- Publishable on CRAN
- Easy to run (for R users)

Cons

- More work to set up
- Source code is visible by recipient (if not desired)