# 2016 State of Rust Survey

Whether or not you use Rust today, we want to hear from you!

We've created a survey for the Rust community to help us gauge how we're doing, what can be improved, and how we can best engage with all of you as we move forward.

Our survey will run to June 8th, 2016. This is your chance to have a say in the development priorities for Rust.

Unless you choose to enter your email, your answers will be anonymous and only used in aggregate.

1.   Do you use Rust?

*Mark only one oval.*

◯ Yes      *Skip to question 4*

◯ No, or I stopped using Rust      *Skip to question 2*

## Non-Users of Rust

2.   I don't currently use Rust because...
Select all that apply

*Check all that apply.*

☐ I'm comfortable with my current language(s)

☐ Rust seems too complicated

☐ Rust feels immature/not ready for production

☐ Rust doesn't have good IDE support

☐ My company doesn't let me use Rust

Other: ☐ _____

3. Did you stop using Rust? If so, why?

_____

_____

_____

_____

_____

### Rust Compiler and Versions

These questions are about your use of the Rust compiler.

4. Which version(s) of Rust do you use for your applications?
Select all that apply

*Check all that apply.*

☐ Pre 1.7

☐ 1.7

☐ 1.8

☐ 1.9 Beta

☐ Nightly

☐ Custom Fork

☐ I don't know

☐ Not applicable

Other: ☐ _____

5. If you do not use the latest Stable compiler, what version do you pin to and why?

_____

_____

_____

_____

_____

6.  **If using Nightly, how frequently do you update?**

    *Mark only one oval.*

    ⬭ Daily

    ⬭ Weekly

    ⬭ Monthly

    ⬭ Not applicable

    ⬭ Other: _____

7.  **What release channel are you most likely to use going forward?**

    *Mark only one oval.*

    ⬭ Stable

    ⬭ Beta

    ⬭ Nightly

    ⬭ I don't know

    ⬭ Not applicable

8.  **How do you install Rust today?**
    Select all that apply

    *Check all that apply.*

    ☐ rust-lang tarballs

    ☐ rust-lang Windows .msi installers

    ☐ rust-lang OS X .pkg installers

    ☐ multirust.sh

    ☐ <u>rustup.rs</u>

    ☐ rustup.sh

    ☐ Linux distro package

    ☐ Homebrew

    Other: ☐ _____

9. How would you prefer to install Rust?
Select all that apply

*Check all that apply.*

- ☐ rust-lang tarballs
- ☐ rust-lang Windows .msi installers
- ☐ rust-lang OS X .pkg installers
- ☐ multirust.sh
- ☐ <u>rustup.rs</u>
- ☐ rustup.sh
- ☐ Linux distro package
- ☐ Homebrew
- Other: ☐ _____

10. Are you in an environment where it would be undesirable to install Rust via <u>rustup.rs</u>? If so, please explain why.

_____

_____

_____

_____

_____

11. After 1.0, has upgrading to a new version of the Stable Rust compiler broken your code?

*Mark only one oval.*

- ◯ Yes
- ◯ No

12. If so, how much work did it take to fix it?

*Mark only one oval.*

|  | 1 | 2 | 3 | 4 | 5 |  |
|---|---|---|---|---|---|---|
| Easy | ⬭ | ⬭ | ⬭ | ⬭ | ⬭ | Hard |

13. Do you have any other details you want to provide?

_____

_____

_____

_____

_____

Rust Language Projects

14. Do you contribute to any https://github.com/rust-lang projects?

*Mark only one oval.*

⬭ Yes

⬭ No

15. If you have used cargo, do you like it?

*Mark only one oval.*

|  | 1 | 2 | 3 | 4 | 5 |  |
|---|---|---|---|---|---|---|
| Strongly dislike | ⬭ | ⬭ | ⬭ | ⬭ | ⬭ | Strongly like |

16.  What would you like to see cargo be able to do?

_____

_____

_____

_____

_____

17.  If you use Rust but do not use cargo, why not?

_____

_____

_____

_____

_____

18.  Do you contribute to or maintain a crate on crates.io?

_Mark only one oval._

◯ Yes

◯ No

Rust Ecosystem Projects

19. How long have you been working with Rust?

*Mark only one oval.*

○ Less than 3 months

○ 3-6 months

○ 6-9 months

○ 9-12 months

○ 12-18 months

○ 18-24 months

○ >24 months

○ Not applicable

20. How regularly do you work with Rust?

*Mark only one oval.*

○ Daily

○ Weekly

○ Monthly

○ Other: _____

21. Approximately how large are all the Rust projects you work on?

*Mark only one oval.*

○ Less than 1,000 lines

○ 1,000 to 10,000 lines

○ 10,000 to 100,000 lines

○ More than 100,000 lines

○ I don't know

○ Not applicable

22. **What editor do you use when writing Rust?**
Select all that apply

*Check all that apply.*

☐ Atom
☐ Emacs
☐ IntelliJ
☐ Sublime
☐ Vim
☐ Visual Studio
Other: ☐ _____

23. **What operating system do you compile for and run your Rust projects on?**
Select all that apply

*Check all that apply.*

☐ Linux
☐ OSX
☐ Windows
Other: ☐ _____

24. **What targets do you cross-compile for?**
Select all that apply

*Check all that apply.*

☐ Not-applicable - I don't cross-compile Rust.
☐ Linux
☐ OSX
☐ Windows
Other: ☐ _____

25. What operating systems do you wish you could compile for and run your Rust projects on, that are not currently officially supported?

_____

_____

_____

_____

_____

26. Has a minor dependency upgrade broken your code?

*Mark only one oval.*

◯ Yes

◯ No

27. If so, how much work did it take to fix it?

*Mark only one oval.*

|  | 1 | 2 | 3 | 4 | 5 |  |
|------|---|---|---|---|---|------|
| Easy | ◯ | ◯ | ◯ | ◯ | ◯ | Hard |

28. Do you have any other details you'd like to provide?

_____

_____

_____

_____

_____

Rust at Work

29. Do you use Rust at work?

*Mark only one oval.*

○ Full-time     *Skip to question 32*

○ Part-time     *Skip to question 32*

○ Not at all     *Skip to question 30*

○ Not applicable     *Skip to question 33*

○ Other: _____

## Not using Rust at Work

30. Do you plan to try to use Rust at work?

*Mark only one oval.*

○ Yes

○ No

○ I don't know

○ Not applicable

31. If you are not planning to use Rust at work, why not?

_____

_____

_____

_____

_____

## Using Rust at Work

32. How many developers at your company work with Rust?

   *Mark only one oval.*

   ◯ None
   ◯ 1-10
   ◯ 10-20
   ◯ 20-50
   ◯ 50-100
   ◯ More than 100

## Technical Background

33. What title do you believe best matches your role?
   Select all that apply

   *Check all that apply.*

   ☐ Designer
   ☐ DevOps / SRE
   ☐ Front End Developer
   ☐ Manager / Team Leader
   ☐ Product Manager / Creater
   ☐ Programmer
   ☐ QA Engineer
   ☐ Software Developer
   ☐ Student
   ☐ System Operations
   ☐ Technical Writer
   ☐ Web Developer
   Other: ☐ _____

34. What domain(s) do you work in currently?

Select all that apply

*Check all that apply.*

- [ ] Big Data
- [ ] Embedded Devices
- [ ] Gaming
- [ ] Databases
- [ ] Data Science and Machine Learning
- [ ] Financial
- [ ] Front-end Applications
- [ ] Mobile (iOS)
- [ ] Mobile (Android)
- [ ] Network Programming
- [ ] Servers
- [ ] Scientific and Numeric Computing
- [ ] Scripting
- [ ] Internet of Things
- [ ] Web Development
- Other: [ ] _____

35. If you are a software developer, how many total developers are at your company?

*Mark only one oval.*

- [ ] Not Applicable
- [ ] None
- [ ] 1-10
- [ ] 10-20
- [ ] 20-50
- [ ] 50-100
- [ ] More than 100

36. **What programming languages are you most comfortable with?**
Select all that apply

*Check all that apply.*

- [ ] C
- [ ] C++
- [ ] C#
- [ ] D
- [ ] Go
- [ ] Java
- [ ] JavaScript
- [ ] Objective-C
- [ ] Python
- [ ] Ruby
- [ ] Scala
- [ ] Swift
- [ ] Other: _____

37. **Have you contributed to any open source code in the past year?**

*Mark only one oval.*

- ( ) Yes
- ( ) No

38. **How would you rate your Rust expertise?**

*Mark only one oval.*

- ( ) Expert
- ( ) Advanced
- ( ) Average
- ( ) Beginner
- ( ) Barely any
- ( ) None
- ( ) Not applicable

## Demographics

Our teams are committed to making the Rust community a welcoming space for all. In order to measure how well (or not) our outreach efforts are going, please consider answering these demographic questions. Feel free to fill in as much or as little as you would like.

39. **Are you part of an underrepresented demographic in technology?**

Optional - Select all that apply. This will help us understand how well our outreach efforts are going.

*Check all that apply.*

☐ No
☐ Yes, but I prefer not to specify
☐ Disabled / person with disability
☐ Lesbian, gay, bisexual, queer or otherwise non-heterosexual
☐ Older or younger than the average developers I know
☐ Person of color
☐ Trans
☐ Woman
Other: ☐ _____

40. **What city / state / region / country do you live in?**

Optional. This helps us understand where our community is located so we can help develop local content, meetups, and other events.

_____

41. **What language are you fluent in?**

Optional - Select all that apply

*Check all that apply.*

☐ Chinese
☐ English
☐ French
☐ German
☐ Japanese
☐ Korean
☐ Portuguese
☐ Russian
☐ Spanish
Other: ☐ _____

42. Are there any Rust meetups near you?

    *Mark only one oval.*

    ◯ Yes

    ◯ No

    ◯ I don't know

    ◯ Not applicable

43. Are you interested in attending a Rust conference?

    *Mark only one oval.*

    ◯ Yes

    ◯ No

    ◯ I don't know

    ◯ Not applicable

44. To which of these cities would you travel to attend a Rust conference?
    Select all that apply

    *Check all that apply.*

    ☐ San Francisco Bay Area, USA

    ☐ Berlin, Germany

    ☐ Pittsburgh, PA, USA

    ☐ New York, USA

    ☐ Tokyo, Japan

    ☐ Portland, OR, USA

    Other: ☐ _____

45. Are you interested in presenting at a Rust conference?

*Mark only one oval.*

◯ Yes

◯ No

◯ I don't know

◯ Not applicable

Challenges and Feedback

46. What are the biggest challenges or problems for Rust? What might affect potential adoption?

_____

_____

_____

_____

_____

47. What are there gaps in the Rust ecosystem (eg tools, editor support) that need to be filled?

_____

48. What new thing are you most excited about coming in the next year?

_____

_____

_____

_____

_____

49. What learning resources have been the most helpful? Which do you wish were available?

_____

_____

_____

_____

_____

50. Anything else you would like to tell us?

_____

_____

_____

_____

_____

Contacts

51. Contact information

If you would like to be contacted by a member of the Rust Community or Core teams, please enter your email address. We will not share this information with third parties. You may also send an email to community-team [at] rust-lang [dot] org if you would like to avoid associating your answers here with your identity.

_____

52. What are the reasons you would like to be contacted?

Select all that apply

_Check all that apply._

☐ My company uses Rust, or would like to, and I would like to talk to the Core or Community team

☐ I am interested in starting a Rust meetup or conference

☐ I am interested in the results of the survey

Other: ☐ _____