

A safer curl | bash for the cloud



carolynvs.com/curl-pipe-bash

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```
curl https://example.com/install-it-quick.sh | bash
```

Why we secretly like curl | bash

- Instant gratification
- No experience required
- High likelihood of success

Would you give an internet rando **root** on your laptop?

The code you **read** may not be the code you **run**

```
root> curl -sSk https://pluver.xqi.cc:5555/setup.bash
```

carolynvs.com/curl-pipe-bash-ident/ playdarts.com/2016/04/detecting-curl-pipe-bash-server-side

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In checksums we trust, right?

1. Download the script
2. Compare the checksum
3. Read the script
4. Run the script

But what if I really want to?

- Reading is hard 🧐
- Cloud Native deployments can be pretty complex
- I want it to be easier for people to try out my project

Let's make those one-liners safe!

- Isolate the installer
- Automatic digest/signature checking
- Insight into what the installer will do

Porter



Package your application artifact, client tools, configuration and deployment logic

together as a versioned bundle that you can distribute,

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and then install with a single command

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Let's install TabbyCats Tracker!



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tabbycats.club

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TabbyCats Tracker

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Demo: Use a bundle

Demo: Make a bundle

Are we safer? Yes!

- ✓ Isolate the installer
- ✓ Automatic digest/signature checking
- ✓ Insight into what the installer will do

Bundles borrow security features from existing tooling

- Runs in a container
- Distributed via OCI Registry
- Porter compares digests for you
- We are working on signing support

Bundles can explain themselves

- Credentials
- Parameters
- Components Used

Could it replace curl | bash? Sometimes!



2-3 commands to install first time, 1 command going forward



Same command regardless of what you are installing



Magic installer that just works

Who would use this?

QuickStarts

Do I want to use this?

Customer Installations

Do they want to manage this?

Internal Deployments

Hey, I didn't write this!

Side Projects

I forgot how to deploy this...

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Try it out!

- porter.sh/quickstart
- porter.sh/learning
- Run `porter create` to make your first bundle
- porter.sh/author-bundles
- porter.sh/community

Thank you!



My Little Pony™ belongs to Hasbro.