



Tx3up

tx3up is a command-line tool designed to simplify the installation and management of the tx3 toolchain. Its main purpose is to provide a convenient way for users to get started with tx3 and keep their toolchain updated.

It solves the problem of manually downloading and configuring tx3 components by automating the process.

The tool is primarily created for developers and users who want to use the tx3 programming language and its associated tools.

Installation

You can download the appropriate binary for your operating system directly from the [latest releases page](#) on the tx3up.

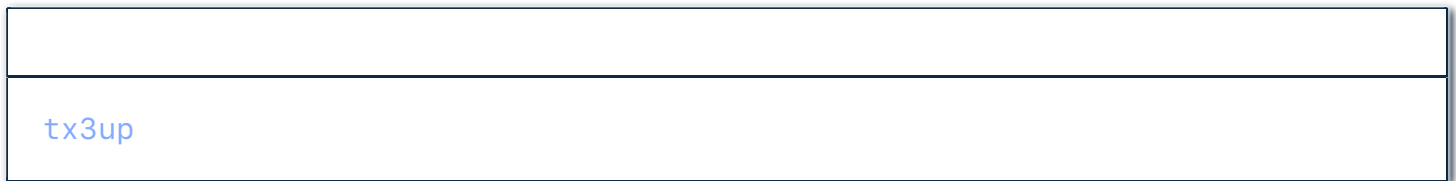
To verify that tx3up is installed correctly, open your terminal and run:

```
tx3up --version
```

This command should display the version of the tx3up installer.

Initial Setup

Once tx3up is installed, you can use it to install the tx3 toolchain. Running tx3up without any subcommands will perform a default installation of the `stable` channel and set it as the default.



This will download and install the latest stable versions of the tx3 toolchain components into a `.tx3` directory in your user's home or local data directory and configure your system's PATH to include the installed binaries.

Commands Overview

- `tx3up install`: Installs the tx3 toolchain or specific tools.
- `tx3up default`: Sets the default channel for the tx3 toolchain.
- `tx3up show`: Shows information about the installed tx3 tools.

Command Details

tx3up install

Installs the tx3 toolchain or specific tools. If no tool is specified, it installs all available tools for the current channel. You can optionally specify a version for a specific tool.

```
tx3up install [tool] [version]
```

Available Options:

- **tool:** (Optional) The name of the specific tool to install (e.g., `trix`, `tx3-lsp`, `dolos`, `cshell`). If omitted, all tools for the channel are installed.
- **version:** (Optional) The specific version of the tool to install. If omitted, the latest version is installed.

Examples:

Install the entire stable toolchain:

```
tx3up install
```

Install only the `trix` tool:

```
tx3up install trix
```

Install a specific version of the `dolos` tool:

```
tx3up install dolos 0.21.1
```

tx3up default

Sets the default channel for the tx3 toolchain. This command creates a symlink from the `.tx3/default` directory to the specified channel's directory, effectively making the binaries in that channel the default ones accessible in your PATH.

```
tx3up default [channel]
```

Available Options:

- `channel`: (Optional) The name of the channel to set as default. Defaults to `stable`.

Examples:

Set the `stable` channel as default:

```
tx3up default stable
```

tx3up show

Displays information about the installed tx3 tools, including their binary path, GitHub repository, and installed version.

```
tx3up show [tool]
```

Available Options:

- `tool`: (Optional) The name of a specific tool to show information for. If omitted, information for all installed tools is displayed.

Examples:

Show information for all installed tools:

```
tx3up show
```

Show information specifically for the `trix` tool:

```
tx3up show trix
```

Common Workflows

1 Initial Toolchain Setup:

Install the default `stable` toolchain and set it as default.

```
tx3up
```

This is the simplest way to get started and installs all necessary components.

2 Installing a Specific Tool:

If you only need a particular tool from the toolchain, you can install it individually.

```
tx3up install [tool_name]
```

Replace `[tool_name]` with the name of the tool you want to install (e.g., `trix`).

3 Switching Default Channels:

If you have multiple channels installed (e.g., `stable` and `beta`), you can easily switch between them.

```
tx3up default [channel_name]
```

Replace `[channel_name]` with the name of the channel you want to use as default (e.g., `beta`). This updates the symlink to point to the desired channel's binaries.

4 Checking Installed Tool Versions:

To see which versions of the tools are currently installed and their details.

```
tx3up show
```

Or for a specific tool:

```
tx3up show [tool_name]
```