

The Move Book

The Move Standard Library provides functionality for native types and operations. It is a standard collection of modules that do not interact with storage, but provide basic tools for working with and manipulating data. It is the only dependency of the [Sui Framework](#) , and is imported together with it.

In this book we go into detail about most of the modules in the Standard Library, however, it is also helpful to give an overview of the features, so that you can get a sense of what is available and which module implements it.

The Move Standard Library provides a set of functions associated with integer types. These functions are split into multiple modules, each associated with a specific integer type. The modules should not be imported directly, as their functions are available on every integer value.

All of the modules provide the same set of functions. Namely, `max` , `diff` , `divide_and_round_up` , `sqrt` and `pow` .

The Standard Library exports a single named address - `std = 0x1` . Note the alias `std` is defined here.

Some modules are imported implicitly and are available in the module without the explicit use `import`. For the Standard Library, these modules and types include:

The Move Standard Library can be imported to the package directly. However, `std` alone is not enough to build a meaningful application, as it does not provide any storage capabilities and can't interact with the on-chain state.

The source code of the Move Standard Library is available in the [Sui repository](#) .

Most Common Modules

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bash MoveStdlib = { git = "https://github.com/MystenLabs/sui.git", subdir = "crates/sui-framework/packages/move-stdlib", rev = "framework/mainnet" }
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Integer Modules

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Exported Addresses

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Implicit Imports

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Importing std without Sui Framework

The Move Standard Library can be imported to the package directly. However, std alone is not enough to build a meaningful application, as it does not provide any storage capabilities and can't interact with the on-chain state.

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Source Code

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