Julia Tutorial

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In this Julia Tutorial, we will learn how to install Julia in your machine, write a simple Julia program, walk through the packages available in Julia, a typical Julia program for data analytics, and some of the use cases that call for Julia programming.

What is Julia

Julia is a high-level programming language. Julia is designed to address high-performance numerical analysis. It is as fast as C and as high-level as Python. So Julia is a win-win as both speed and user-friendly programming language.

Get Started – Install Julia

Julia can run on a variety of Operating Systems. In this Julia Tutorial, we will learn how to install Julia on some of the popular Operating Systems like Windows, Ubuntu, MacOS, etc.

Whatever the OS, you have to visit [https://julialang.org/downloads/], for the latest Julia versions.

Windows Self-Extracting Archive (.exe) [help]	32-bit	64-bit	
	Windows 7/Windows Server 2012 users also require Windows Management Framework 3.0 or later		
macOS 10.8+ Package (.dmg) [help]		64-bit	
Generic Linux Binaries for x86 [help]	32-bit (GPG)	64-bit (GPG)	
Generic Linux Binaries for ARM [help]	32-bit (ARMv7-a hard float) (GPG)	64-bit (AArch64) (GPG)	
Generic FreeBSD Binaries for x86 [help]		64-bit (GPG)	
Source	Tarball (GPG)	Tarball with dependencies (GPG)	GitHub

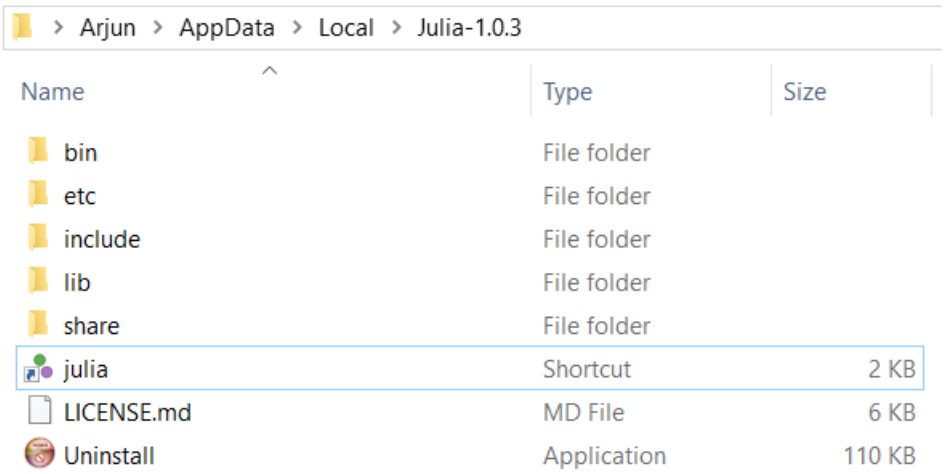
Install Julia in Windows

There are two variants for Windows, based on the architecture. 32 bit and 64 bit.

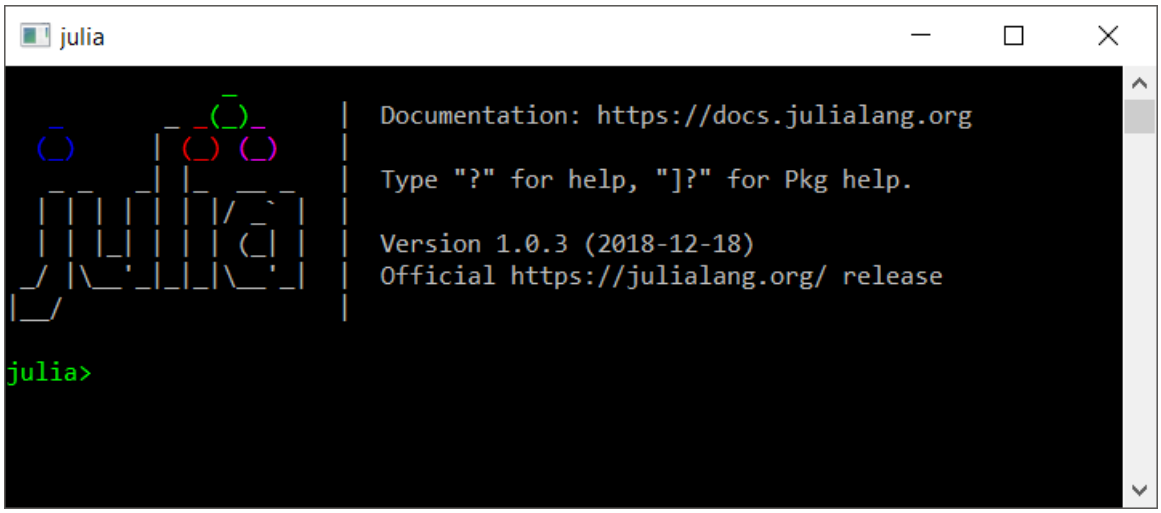
If your OS is 64 bit, it is recommended to install 64 bit variant for speed.

Download the Windows Self-Extracting Archive (.exe) file and follow through the installation wizard.

Once the installation is done, the folder of Julia installation opens.



You can double click on julia shortcut to open Julia command prompt.



Julia is successfully installed in Windows.

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