







OVERVIEW

Contains instructions on how to install Kotlin in an Ubuntu operating system. With a sample code on how to compile and execute a simple program.

PREREQUISITES

- Ubuntu 18 or higher
- Java is installed
- \$ sudo apt update
- \$ sudo apt install default-jdk

INSTALL VIA SDKMAN

01. Open a terminal and install applications needed by SDKMAN

SDKMAN! is a tool for managing parallel versions of multiple Software Development Kits on most Unix based systems

```
$ sudo apt update

$ sudo apt install unzip

$ sudo apt install zip
```

02. and install SDKMAN, which will be used to install Kotlin.

```
1    $ cd ~
2
3    $ curl -s https://get.sdkman.io | bash
```

03. Exit from the terminal and open a new one. Test if SDKMAN is installed correctly. Help instructions should be shown.

```
$ sdk help
                              @ubuntu-bionic: ~ 64x16
       @ubuntu-bionic:~$ sdk help
Usage: sdk <command> [candidate] [version]
       sdk offline <enable|disable>
   commands:
                          <candidate> [version]
       install
                 or i
                          <candidate> <version>
       uninstall or rm
                          [candidate]
       list
                 or ls
                          <candidate> [version]
       use
                 or u
       default
                 or d
                          <candidate> [version]
                          [candidate]
       current
                 or c
       upgrade
                 or ug
                          [candidate]
       version
                 or v
       broadcast or b
       help
                 or h
                          [enable|disable]
       offline
```

04. Install Kotlin

```
@ubuntu-bionic: ~ 64x16
@ubuntu-bionic: ~ $ kotlin -version

Kotlin version 1.3.31-release-197 (JRE 1.8.0_212-8u212-b03-0ubun tu1.18.04.1-b03)
@ubuntu-bionic: ~ $ 

@ubuntu-bionic: ~ 64x16

@ubuntu-bio
```

\$ kotlin -help

If an error saying java command is not found, it means that Java is not installed.

```
vagrant@ubuntu-bionic:~64x16

vagrant@ubuntu-bionic:~$ kotlin -version
/home/vagrant/.sdkman/candidates/kotlin/current/bin/kotlinc: lin
e 80: java: command not found
vagrant@ubuntu-bionic:~$

The state of the sta
```

INSTALL VIA SNAP

01. Install Kotlin

```
1 | $ sudo snap install --classic kotlin
```

```
@ubuntu-bionic:~$ sudo snap install --classic kotlin

2019-05-24T13:30:57Z INFO Waiting for restart...

kotlin 1.3.31 from 'jetbrains' installed

@ubuntu-bionic:~$

@ubuntu-bionic:~$
```

02. Verify that Kotlin is installed. The following should output the version of Kotlin installed.

```
@ubuntu-bionic: ~ 64x16

@ubuntu-bionic: ~ $ kotlin -version

Kotlin version 1.3.31-release-197 (JRE 1.8.0_191-8u191-b12-2ubun tu0.16.04.1-b12)

@ubuntu-bionic: ~ $ 

@ubuntu-bionic: ~ 64x16

@ubuntu-bionic: ~ $ 

@ubuntu-bionic: ~ 64x16

@u
```

RUNNING KOTLIN

Run a Kotlin program that shows a message to the console/output.

01. Create a file named hello-geek.kt

```
1  $ cd
2
3  $ nano hello-geek.kt
```

Set the content as follows

```
fun main(args: Array<String>) {
println("Hello, Geek!")
}
```

```
1 | $ kotlinc hello-geek.kt -include-runtime -d hello-geek.jar
```

03. Run the application using Java

SUMMARY

66

"Kotlin is a cross-platform, statically typed, generalpurpose programming language with type inference. Kotlin is designed to interoperate fully with Java, and the JVM version of its standard library depends on the Java Class Library,[2] but type inference allows its syntax to be more concise"

- Wikipedia.org

"

Kotlin is good language. If you are using the JVM and you want to use a different language aside from Java, this is a good option.

PREVIOUS



GOOGLE I/O 2019 | MATERIAL THEMING: BUILD EXPRESSIVELY WITH MATERIAL COMPONENTS



SUGGESTED POSTS

Search ... SEARCH

STAY CONNECTED!











NOVEMBER 4, 2022



GOOGLE CLOUD INFRASTRUCTURE ENHANCEMENTS TAILORED FOR YOUR WORKLOADS

NOVEMBER 4, 2022



CRIBL AND CLOUDIAN OFFER S3 DATA LAKE-BASED OBSERVABILITY PLATFORM FOR MODERN DATA ANALYTICS

NOVEMBER 4, 2022



THE FUTURE OF SUSTAINABLE FLYING IS DATA-DRIVEN FOR LUFTHANSA GROUP

NOVEMBER 4, 2022



HOW-TO: DEPLOY PYTHON FLASK APPLICATIONS USING NGINX AND UWSGI – INSTALLATION (PART 1 OF 3)

NOVEMBER 3, 2022



INTRODUCING SOFTWARE DELIVERY SHIELD FOR END-TO-END SOFTWARE SUPPLY CHAIN SECURITY

NOVEMBER 3, 2022



TWIGA FOODS TAPS GOOGLE CLOUD TO IMPROVE FOOD SECURITY AND REDUCE WASTE PRODUCTION IN KENYA

NOVEMBER 3, 2022



IF YOU ARE USING 'KUBECTL', YOU ARE PROBABLY DOING IT WRONG

NOVEMBER 3, 2022



DEVELOPERS – BUILD, LEARN, AND GROW YOUR CAREER FASTER WITH GOOGLE

CLOUD

NOVEMBER 3, 2022



INTRODUCING THE NEXT EVOLUTION OF LOOKER, YOUR UNIFIED BUSINESS

INTELLIGENCE PLATFORM

NOVEMBER 2, 2022

RESOURCES

ASTER.CLOUD



about =

["cloud_computing",

"software"

"programming",

"technology", "devops",

"dev tutorials"

STAY CONNECTED!











LIWAIWAI.COM

Artificial Intelligence +
Machine Learning +
Cognition

LEARN MORE