



Installing Singularity on Ubuntu Linux

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Would you like to learn how to install Singularity on Linux? In this tutorial, we are going to show you how to install Singularity on Linux.

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Tutorial - Singularity Installation Requirements

On the Linux console, use the following commands to install the required packages.

```
1 apt-get update
2 apt-get install build-essential libssl-dev uuid-dev
3 apt-get install squashfs-tools libseccomp-dev pkg-config
```

Install the GO software:

```
1 mkdir /downloads
2 cd /downloads
```

In order to work properly, the Go software expects the system to have a set of environment variables.

Let's create a file to automate the required environment variables configuration.

```
1 vi /etc/profile.d/go.sh
```

Here is the go.sh file content.

```
1 #/bin/bash
2 export GOROOT=/usr/local/go
3 export GOPATH=$GOROOT/work
4 export PATH=$PATH:$GOROOT/bin:$GOPATH/bin
```

Now, let's reboot the computer and check if the required environment variables will be created automatically.

```
1 reboot
```

Use the following command to check if the environment variables were created.

```
1 env | grep -E "(ROOT|PATH)"
```

Test the Go program using the following command.

```
1 go version
```

You have finished the installation of the GO software.



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Tutorial - Singularity Installation on Ubuntu Linux

Download the required packages using the Go software.

```
1 go get -u github.com/golang/dep/cmd/dep
2 go get -d github.com/sylabs/singularity
```

Compile and install Singularity.

```
1 cd $GOPATH/src/github.com/sylabs/singularity
2 git fetch
3 git checkout
4 ./mconfig
5 make -C ./builddir
6 make -C ./builddir install
```

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Test the Singularity software using the following command.

```
1 singularity version
2
3 3.5.2+244-g9d72a851b
```

Test the Singularity software using the following command



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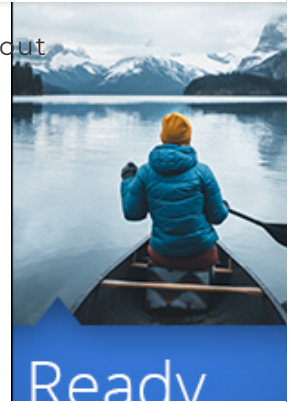
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```

You have finished the installation of the Singularity software on Ubuntu Linux.

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