

# SPANG installation guide

You can install the SPANG package into a Unix system by **uncompressing the package and setting the PATH**. In detail, see the following steps (the commands to be typed are shown as `command` ).

## 1. Download the SPANG package

Download the SPANG package from the project home page <http://purl.org/net/spang> by following the link on a Web browser, or by connecting through a command-line client such as `wget`:

```
wget http://purl.org/net/spang/spang-0.4.5.tgz
```

## 2. Uncompress the SPANG package

Type the following command,

```
tar zxvf spang-0.4.5.tgz
```

and the SPANG directory `spang-0.4.5` will be created.

## 3. Move the SPANG directory

Move the SPANG directory into an arbitrary directory for installation. For example, to install SPANG into your home directory, type

```
mv spang-0.4.5 ~
```

## 4. Set the PATH

If you use **bash** (the default shell in Linux and Mac OS X), edit the initialization file `.bashrc` and add the following line into the file.

```
vi ~/.bashrc
```

```
export PATH=$PATH:$HOME/spang-0.4.5/bin
```

(Here we assume that SPANG is installed into your home directory.)

Then, read the new setting.

```
source ~/.bashrc
```

Alternatively, if you use **tcsh**, edit the initialization file `.tcshrc` and add the following line into the file.

```
vi ~/.tcshrc
```

```
setenv PATH $PATH:$HOME/spang-0.4.5/bin
```

(Here we assume that SPANG is installed into your home directory.)

Then, read the new setting.

```
source ~/.tcshrc
```

## 5. Confirm the installation

Type spang command,

```
spang
```

and you will see a help message of SPANG.

## 6. Test an example query

As an example, type the following command.

```
spang uniprot -S tax:2
```

This command retrieves information about bacteria (taxonomy ID of 2) from UniProt.