

# Composer

Ref Link:

<https://www.drupal.org/docs/develop/using-composer/using-composer-to-install-drupal-and-manage-dependencies>

## 1. What is a Composer ?

Composer is a tool for dependency management in PHP. It allows you to declare the libraries your project depends on and it will manage (install/update) them for you.

## Create a project

For Drupal 8 and Drupal 9 :

```
composer create-project drupal/recommended-project my_site_name_dir
```

For Drupal 7 :

```
composer create-project drupal-composer/drupal-project:7.x-dev -n my_site_name_dir
```

For example, to download version 8.9.11:

```
composer create-project drupal/recommended-project:8.9.11 my_site_name_dir
```

Composer command to install drush

```
composer require drush/drush
```

## Download contributed modules and themes using Composer

To download contributed Drupal modules or themes with composer:

Run **composer require drupal/<modulename>**

For example: **composer require drupal/token**

This needs to be executed at the root of your Drupal install but not at the same level as the core directory.

Composer will then automatically update your composer.json, adding the module to all the other requirements in the list, like this:

```
{
    "require": {
        "drupal/token": "^1.5"
    }
}
```

```
}
```

## Specifying a version

You can specify the version of the module / theme you want to download as follows:

```
composer require 'drupal/<modulename>:<version>'
```

For example:

```
composer require 'drupal/token:^1.5'
```

```
composer require 'drupal/simple_fb_connect:~3.0'
```

## To do a modified install

If you want to modify some of the properties of the downloaded composer.json before composer install is executed, use the `--no-install` flag when running composer create-project. For example, it is possible that you want to rename the subdirectory 'web' to something else.

To do that:

Run `composer create-project --no-install drupal/recommended-project my_site_name_dir`  
Change directories to `my_site_name_dir` and edit the `composer.json` file to suit your needs. For example, to change the sub-directory from 'web' to something else, the keys to modify are the 'extra' sub-keys 'webroot' and 'installer-paths'.

Run `composer install` to download Drupal and all its dependencies.

If you are used to building Drupal site via drush make, refer to the FAQs in Drupal's Composer template documentation to learn the difference between this option and drush make.