How to migrate your Drupal 8 site to a composer based project?

What is Composer?

Composer is an application-level package manager for the PHP programming language that provides a standard format for managing dependencies of PHP software and required libraries. It was developed by Nils Adermann and Jordi Boggiano, who continue to manage the project. Wikipedia

Composer components

- Composer.json
- Composer.lock
- vendor folder
- autoload.php

Composer.json

General sections:

```json
"name": "acquia/acquia-ra-composer",
"description": "Project json for Acquia Remote Administration
Composer builds",
"type": "project",
"license": "proprietary",
"repositories": [
  {
    "type": "composer",
    "url": "https://packages.drupal.org/8"
  },
  {
    "type": "composer",
    "url": "https://asset-packagist.org"
  }
],
```

Composer.json

Require and require-dev sections

```
"require": {
    "composer/installers": "^1.0",
    "cweagans/composer-patches": "^1.6.0",
    "drupal-composer/drupal-scaffold": "^2.0.0",
    "drupal/admin_toolbar": "^1.0",
    "drupal/core": "^8.6",
    "drush/drush": "^8.1"
},
"require-dev": {
    "drupal/devel": "^1.0",
    "drupal/stage_file_proxy": "^1.0"
},
"minimum-stability": "dev",
"prefer-stable": true,
```

Composer Tools

Composerize: https://www.drupal.org/project/composerize

Composerize-drupal: https://github.com/grasmash/composerize-drupal

Composer_manager: https://www.drupal.org/project/composer_manager

Thank you