

# PHIVE Cheat Sheet

## Introduction

**PHIVE** (PHAR Installation and Verification Environment) is a tool to install and update PHP Archive (PHAR) files while verifying their signatures. It can be used to install development tools like PHPUnit, Composer, PHPStan, etc. while isolating them from the project's runtime dependencies. Tools can be installed either locally in a `tools` directory or globally in the `PATH`.

## Installation

Follow the instructions on <https://phar.io/#install>.

## Global options

Option	Description
<code>--home=&lt;dir&gt;</code>	Use a different home directory instead of the default <code>~/.phive</code>
<code>--no-progress</code>	Disable progress bars

## Getting started

Command	Description
<code>phive composer</code>	Parse <code>composer.json</code> to suggest PHARs to install
<code>phive skel</code>	Generate a default <code>phive.xml</code> configuration file

## Installing PHARs

Command	Description
<code>phive list</code>	List available PHAR aliases
<code>phive install &lt;alias&gt;</code>	Install a PHAR using its alias
<code>phive install &lt;url&gt;</code>	Install a PHAR using a GitHub/GitLab project URL or direct download URL
<code>phive install --copy &lt;alias&gt;</code>	Copy the PHAR to the current directory instead of creating a symlink
<code>phive install --global &lt;alias&gt;</code>	Install globally instead of in the current directory
<code>phive install --trust-gpg-keys &lt;key&gt;</code>	Install a PHAR and trust the given GPG key

## Managing PHARs

Command	Description
<code>phive status</code>	List all installed PHARs for the current project
<code>phive status --global</code>	List all globally installed PHARs
<code>phive status --all</code>	List all installed PHARs across all projects
<code>phive remove &lt;alias&gt;</code>	Remove an installed PHAR
<code>phive purge</code>	Delete all unused PHARs

## Updating PHARs

Command	Description
<code>phive outdated</code>	List all installed PHARs that have a newer version available
<code>phive update</code>	Update all installed PHARs
<code>phive update &lt;alias&gt;</code>	Update a specific PHAR
<code>phive update --prefer-offline</code>	Try to use locally available PHARs instead of downloading them
<code>phive update --global</code>	Update all globally installed PHARs

## Other commands

Command	Description
<code>phive help</code>	Show help information
<code>phive version</code>	Show version information
<code>phive selfupdate</code>	Update PHIVE to the latest version
<code>phive update-repository-list</code>	Update the list of available PHARs