

# Building OpenIndiana

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# 1 Source repositories

OpenIndiana is built from several source repositories which are available on [Github](#).

Repository	Description	Build instructions	Comments
<a href="#">oi-userland</a>	Unified build system for OpenIndiana	<a href="#">Building oi-userland</a>	
<a href="#">illumos-gate</a>	Kernel and core userland components	Use <a href="#">openindiana/illumos-gate</a> component	When preparing change for integration use official <a href="#">Building illumos</a> instructions
<a href="#">pkg5</a>	Image Packaging System package manager	Use <a href="#">openindiana/pkg</a> component	
<a href="#">slim_source</a>	Installers and Distribution Constructor	Use <a href="#">openindiana/slim_source</a> component	Also known as Caiman
<a href="#">time-slider</a>	Graphical ZFS snapshot manager	Use <a href="#">openindiana/time-slider</a> component	
<a href="#">nwam-manager</a>	Network auto-magic GUI	Use <a href="#">openindiana/nwam-manager</a> component	
<a href="#">nimbus</a>	Nimbus GTK theme	Use <a href="#">desktop/nimbus</a> component	
<a href="#">openindiana-completions</a>	OpenIndiana bash completions	Use <a href="#">shell/bash-completion</a> component	
<a href="#">openindiana-welcome</a>	openindiana-about tool	Use <a href="#">openindiana/openindiana-welcome</a> component	
<a href="#">openindiana-backgrounds</a>	OpenIndiana desktop backgrounds	Use <a href="#">openindiana/openindiana-backgrounds</a> component	
<a href="#">sysding</a>	Sysding initial configuration system	Use <a href="#">openindiana/sysding</a> component	
<a href="#">oi-docs</a>	User documentation site	<a href="#">Getting Started with OpenIndiana Docs</a>	

## 2 Build process

The OpenIndiana Hipster build process is rather simple.

Once a pull request has been merged to [oi-userland](#) [Jenkins](#) starts an incremental oi-userland build. For components coming from other source repositories manual intervention can be necessary to start the build. [illumos-gate](#) is rebuilt daily in a separate [Jenkins job](#).

If packages are built successfully they are either published to the [main OpenIndiana package repository](#) or to the [package repository for patent-encumbered software](#).

Note that the main OpenIndiana package repository also contains packages inherited from the now discontinued OpenIndiana /dev distribution. Such packages are available only in binary form and can be identified by a 2013.0.0.0 branch number.

Twice per year the OpenIndiana developers create ISO images based on this repository using the [Distribution Constructor](#).

If you want to build a customized ISO image you can publish necessary additional packages to your own repository and use [Distribution Constructor](#) to create images with additional publishers and/or packages.