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

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.