



Nasuni Filer Third-Party Licensing Guide

Version 8.0

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Document Information

Nasuni Filer Third-Party Licensing Guide
Version 8.0
April 2018

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Contacting Nasuni Corporation

Nasuni Corporation
One Marina Park Drive
Boston, MA 02210

Telephone: 1-857-444-8500
Sales: 1-800-208-3418
<http://www.nasuni.com>
Email: info@nasuni.com

Technical Support

Telephone: 1-888-6NASUNI (888-662-7864)
Email: support@nasuni.com
Technical Support is available 24/7/365 for full production customers.

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Product Documentation

Electronic Publications

Extensive documentation is available for all aspects of installing, configuring, and operating the Nasuni Filer. The latest version of each of the following documents is available in PDF format at <http://www.nasuni.com/support/documentation>.

- *Hardware Getting Started Guide*: For setting up the Nasuni Filer on the Nasuni Filer hardware appliance.

To download this guide for the NF-60, visit:

http://info.nasuni.com/hubfs/Nasuni.com-assets/Support-Docs/Nasuni_Filer_HW_GS_Guide_NF-60.pdf

To download this guide for the NF-200, visit:

http://info.nasuni.com/hubfs/Nasuni.com-assets/Support-Docs/Nasuni_Filer_HW_GS_Guide_NF-200.pdf

To download this guide for the NF-400, visit:

http://info.nasuni.com/hubfs/Nasuni.com-assets/Support-Docs/Nasuni_Filer_HW_GS_Guide_NF-400.pdf

To download this guide for the NF-440, visit:

http://info.nasuni.com/hubfs/Nasuni.com-assets/Support-Docs/Nasuni_Filer_HW_GS_Guide_NF-440.pdf

To download this guide for the NF-600, visit:

http://info.nasuni.com/hubfs/Nasuni.com-assets/Support-Docs/Nasuni_Filer_HW_GS_Guide_NF-600.pdf

- *Installing the Nasuni Filer on Virtual Platforms*: For installing the Nasuni Filer on a virtual machine within a corporate network. To download this guide, visit:

<http://info.nasuni.com/hubfs/Nasuni.com-assets/Support-Docs/Installing-on-Virtual.pdf>

- *Installing the Nasuni Filer on the Azure Platform*: For installing the Nasuni Filer on the Microsoft Azure cloud virtual machine. To download this guide, visit:

<http://info.nasuni.com/hubfs/Nasuni.com-assets/Support-Docs/Installing-on-Azure.pdf>

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- *Installing the Nasuni Filer on the EC2 Platform*: For installing the Nasuni Filer on the Amazon EC2 cloud virtual machine. To download this guide, visit:
<http://info.nasuni.com/hubfs/Nasuni.com-assets/Support-Docs/Installing-on-EC2.pdf>
 - *Initial Configuration Guide*: For configuring and deploying the Nasuni Filer after the initial installation on the hardware appliance or virtual machine. To download this guide, visit:
http://info.nasuni.com/hubfs/Nasuni.com-assets/Support-Docs/Nasuni_Filer_Initial_Configuration_Guide.pdf
 - *Administration Guide*: For managing unified storage using the Nasuni Filer. To download this guide, visit:
http://info.nasuni.com/hubfs/Nasuni.com-assets/Support-Docs/Nasuni_Filer_Administration_Guide.pdf
 - *Nasuni Management Console Guide*: For managing multiple Nasuni Filers. To download this guide, visit:
<http://info.nasuni.com/hubfs/Nasuni.com-assets/Support-Docs/NMCGuide.pdf>
 - *Nasuni Management Console Quick Start Guide*: To quickly get started using the Nasuni Management Console to manage multiple Nasuni Filers. To download this guide, visit:
<http://info.nasuni.com/hubfs/Nasuni.com-assets/Support-Docs/NMCQuickStartGuide.pdf>
 - *Using Multiple Protocols*: Discusses scenarios requiring particular access to data, and how different combinations of protocols can help provide the access that clients need. To download this guide, visit:
<http://info.nasuni.com/hubfs/Nasuni.com-assets/Support-Docs/UsingMultipleProtocols.pdf>
 - *Third-Party Licensing Guide*: Listing of third-party software used in the Nasuni Filer. To download this guide, visit:
http://info.nasuni.com/hubfs/Nasuni.com-assets/Support-Docs/Nasuni_Filer_Third-Party_Licensing_Guide.pdf

Release Notes for Nasuni Documentation Set

Date (As Of)	Changes
2018-04-24	Added details of how to configure port 443, in <i>Firewall Best Practices</i> .

Date (As Of)	Changes
	<p>Established that the Nasuni Filer supports AWS Enhanced Networking, in <i>Installing on EC2</i>.</p> <p>Provided details of how restoring a folder affects current contents of folder, in <i>Administration Guide</i> and <i>NMC Guide</i>.</p> <p>Added many suggestions for VM installation, in <i>Installing on VM</i> and <i>Suggestions for VM Installation</i>.</p> <p>Added examples for how to specify allowed hosts for CIFS shares, in <i>Administration Guide</i> and <i>NMC Guide</i>.</p> <p>Clarified behavior when deleting directories containing blocked files, in <i>Administration Guide</i>, <i>NMC Guide</i>, <i>Mobile Access Guide</i>, <i>Mobile Access User Guide</i>, <i>Web Access User Guide</i>, <i>Web Access Shared Links</i>, and <i>Initial Configuration Guide</i>.</p> <p>Warned that CIFS folders with Advanced Global Locking might have access issues with Linux clients, in <i>Global Locking Guide</i>, <i>Administration Guide</i>, and <i>NMC Guide</i>.</p> <p>Clarified rules for Filer-forced snapshots, in <i>Snapshot Processing</i>.</p> <p>Clarified non-support for Hyper-V Dynamic Memory, in <i>Suggestions for VM Installation</i>.</p> <p>Added numerous Mac OS X details and suggestions, in <i>Mac OS X Best Practices Guide</i>.</p>
2018-03-30	<p>Added details of new considerations affecting Mac client performance, in <i>Mac OS X Performance Guide</i>.</p> <p>Clarified when updates to antivirus database occur, in <i>Best Practices Guide</i>, <i>Administration Guide</i>, and <i>NMC Guide</i>.</p> <p>Added support for Varonis and other systems that use Advanced Message Queuing Protocol (AMQP), in <i>Administration Guide</i> and <i>NMC Guide</i>.</p> <p>Added explanations of Safe Delete feature, in <i>Administration Guide</i> and <i>NMC Guide</i>.</p> <p>Added a description of the NMC API, in <i>NMC API</i>.</p> <p>Cautioned about deleting files deleted from folder that two different Nasuni Filers have enabled Global Locking on, in <i>Administration Guide</i>, <i>Global Locking Guide</i>, and <i>NMC Guide</i>.</p>

Date (As Of)	Changes
	<p>Clarified supported instance types, in <i>Installing the Nasuni Filer on the EC2 Platform</i>.</p> <p>Added procedures for accessing software through Azure Marketplace, in <i>Configuring Customer-Provided Azure Tenant</i>.</p> <p>Updated screen shots and procedures for SSL certificates, in <i>Administration Guide</i>.</p> <p>Updated screen shot, in <i>Configuring Customer-Provided Azure Tenant</i>.</p> <p>Fixed incorrect screen shot, in <i>DFS Configuration Guide</i>.</p> <p>Added procedure for removing Revit Worksharing Monitor, in <i>Revit Configuration Guide</i>.</p>
2018-02-28	<p>Added information about time to generate an encryption key, in <i>Best Practices Guide</i>, <i>Encryption Key Best Practices</i>, <i>NMC Guide</i>, <i>Recovery Guide</i>, and <i>Administration Guide</i>.</p> <p>Added considerations about MTU on the EC2 platform, in <i>Installing the Nasuni Filer on the EC2 Platform</i>.</p> <p>Noted that enabling "Snapshot Directory Access" prevents directories from being deleted, in <i>NMC Guide</i>, <i>Administration Guide</i>, and <i>Best Practices Guide</i>.</p> <p>Clarified behavior of Security indication when permission of remote volume is set to Disabled, in <i>NMC Guide</i>.</p> <p>Noted that you cannot create an internal link to folders created by using the "%U" wildcard, in several documents.</p> <p>Clarified the relative size of the COW disk, in <i>Cache Configuration Guide</i> and <i>Installing on Virtual</i>.</p> <p>Added tip on hard links with Linux and Mac OS X clients using global locking with CIFS, in <i>Administration Guide</i>.</p> <p>Updated default number of cores to 4, in <i>Initial Configuration Guide</i> and <i>Installing on Virtual</i>.</p> <p>Added tip on case-sensitive volumes and multiple volume protocols, in <i>Administration Guide</i>.</p> <p>Added tip on using Windows "net use" command, in <i>Administration Guide</i> and <i>Initial Configuration Guide</i>.</p> <p>Added details of the suggested usage, in <i>Revit Configuration Guide</i>.</p> <p>Clarified how Auto Cache works, in <i>Administration Guide</i> and <i>NMC Guide</i>.</p> <p>Specified that the user names for CIFS Administrative Users should not have the leading domain, in <i>Administration Guide</i>.</p>

Date (As Of)	Changes
	<p>Added tip about Embedded Host Client for installing the Nasuni Filer into VMware ESXi using the vSphere Web interface, in <i>Installing on Virtual</i>.</p> <p>Added description of backup keys, which enable recovery of Nasuni Filers that don't have owned volumes or snapshots, in <i>Administration Guide</i> and <i>Recovery Guide</i>.</p> <p>Updated procedure for installing Nasuni Filer and NMC on Microsoft Azure platform, in <i>Configuring Customer-Provided Azure Tenant for the Nasuni Filer</i>.</p> <p>Added the Device ID and Logged In fields to the Mobile Licenses table, in <i>NMC Guide</i>.</p> <p>Added description of Prioritize Snapshot feature, in <i>NMC Guide</i> and <i>Administration Guide</i>.</p> <p>Created tip for error when installing to non-default location on Hyper-V, in <i>Installing on Virtual</i>.</p>
2017-11-15	<p>Clarified when the file syncs occur related to Global Locking, in <i>Cache Configuration Guide</i>, <i>Best Practices Guide</i>, <i>Global Locking Guide</i>, and <i>Administration Guide</i>.</p> <p>Clarified processing when a Nasuni Filer goes under the control of a Nasuni Management Console, in <i>NMC Guide</i> and <i>Administration Guide</i>.</p> <p>Added details about how certain types of loads can affect syncs, in <i>NMC Guide</i>, <i>Merge Conflicts Guide</i>, and <i>Administration Guide</i>.</p> <p>Warned that downloading large files from the NMC can take a long time, in <i>NMC Guide</i>.</p> <p>Added warning against saving encryption key files to volume, in <i>Best Practices Guide</i>, <i>NMC Guide</i>, <i>Recovery Guide</i>, and <i>Administration Guide</i>.</p> <p>Updated copyright, trademark, disclaimer, and liability statements, in most documents.</p> <p>Updated maximum Azure disk size to 4,095 GiB, in <i>Best Practices Guide</i>, <i>Cache Configuration Guide</i>, <i>Initial Configuration Guide</i>, <i>Resizing Cache Guide</i>, <i>Installing on Virtual Platforms</i>, and <i>Suggestions for VM Installation</i>.</p>

Date (As Of)	Changes
2017-10-31	<p>Added procedure for possible notification during snapshot or sync, in <i>NMC Guide</i> and <i>Administration Guide</i>.</p> <p>Added details about the Clam AntiVirus (ClamAV®) open-source antivirus engine, in <i>Best Practices Guide</i>, <i>NMC Guide</i>, <i>Third-Party Licensing Guide</i>, and <i>Administration Guide</i>.</p> <p>New screenshots, in <i>Installing the Nasuni Filer on the EC2 Platform</i>.</p> <p>Added reminders to keep COW disk in proportion to cache disk when changing the size of the cache disk, in <i>Cache Configuration</i> and several other documents.</p> <p>Selecting the “Secure transfer required” feature for an Azure Storage account does not affect the operation of the Nasuni Filer, in <i>Configuring Customer-Provided Azure Storage for the Nasuni Filer</i> and <i>Installing Nasuni Filer on Customer-Provided Azure Storage Getting Started Guide</i>.</p> <p>Corrected the default number of cores for a Nasuni Filer, in <i>Best Practices Guide</i>, <i>Initial Configuration Guide</i>, and <i>Installing on Virtual Platforms</i>.</p> <p>Clarified the processing for recovery after resetting the administrative account, in <i>Recovery Guide</i>, <i>Administration Guide</i>, and <i>NMC Guide</i>.</p> <p>Clarified the prerequisites for performing the Side Load procedure, in <i>Recovery Guide</i>, <i>Administration Guide</i>, and <i>Side Load Guide</i>.</p> <p>Clarified the default outbound Quality of Service, in <i>Best Practices Guide</i>, <i>Cache Configuration Guide</i>, <i>Administration Guide</i>, and <i>NMC Guide</i>.</p> <p>Added material about enabling Auditing to help mitigate ransomware, in <i>Best Practices Guide</i>, <i>Administration Guide</i>, and <i>NMC Guide</i>.</p> <p>Clarified meaning of Restrict Anonymous setting for CIFS, in <i>Administration Guide</i> and <i>NMC Guide</i>.</p>
2017-09-29	<p>Added material on Cloud I/O and Cloud Credentials, in <i>Administration Guide</i> and <i>NMC Guide</i>.</p> <p>Added discussion of chunk size and related topics, in <i>Best Practices Guide</i>, <i>Cache Configuration Guide</i>, <i>Administration Guide</i>, and <i>NMC Guide</i>.</p> <p>Rewrote section on General CIFS Settings to clarify processing in different situations, in <i>Administration Guide</i> and <i>NMC Guide</i>.</p> <p>Added details about how long notifications are retained, in <i>Administration Guide</i> and <i>NMC Guide</i>.</p>

Date (As Of)	Changes
	<p>Added procedure for obtaining JSON format of shares configuration in NMC, in <i>NMC Guide</i>.</p> <p>Clarified use of DFS for failover, in <i>DFS Configuration and Best Practices Guide</i>.</p> <p>Reconciled the recovery procedures, in <i>Administration Guide</i> and <i>Recovery Guide</i>.</p> <p>Removed mentions of default volume and default CIFS share, in <i>Best Practices Guide</i>, <i>Best Practices Guide</i>, and <i>Administration Guide</i>.</p> <p>Clarified best use cases for Side Load procedure, in <i>Side Load Feature</i>.</p> <p>Added warnings against restoring a virtual machine from a virtual machine snapshot or backup, in <i>Cache Configuration Guide</i> and <i>Installing on Virtual Platforms</i>.</p> <p>Added information about how permissions affect the ability to download files, in <i>Administration Guide</i> and <i>NMC Guide</i>.</p> <p>Added procedure for SMB3 encryption, in <i>Administration Guide</i>, <i>Security Features</i>, and <i>NMC Guide</i>.</p> <p>Added instructions for “Snapshot ran out of internal space” error, in <i>Administration Guide</i> and <i>Best Practices Guide</i>.</p> <p>Updated the supported Cleversafe/IBM Cloud Object Storage version to 3.8.3.</p> <p>Added details of auditing becoming disabled if Varonis or AMQP destinations are removed, in <i>Administration Guide</i> and <i>NMC Guide</i>.</p> <p>Added details of the use of encryption keys with remote volumes, in <i>Encryption Key Best Practices</i>.</p> <p>Added details of auditing output types, including Varonis, AMQP, and local CSV, in <i>NMC Guide</i>.</p> <p>Clarified details of NTFS Exclusive Mode and NTFS Compatible Mode, in <i>Administration Guide</i> and others.</p>
2017-08-31	<p>Formatting and pagination, in <i>Data API</i> doc.</p> <p>Added Varonis integration, in <i>Administration Guide</i> and <i>NMC Guide</i>.</p> <p>Clarified NMC procedure for changing SMB protocol.</p> <p>Added procedure for installing NMC using Azure Resource Manager, in <i>Installing the Nasuni Filer on the Azure Platform</i>.</p>

Date (As Of)	Changes
	<p>Clarified that displayed size might differ from external size indications, in <i>Administration Guide</i> and other documents.</p> <p>Clarified the distinction between “private cloud”, “customer-controlled public cloud”, “BYOC”, and “public cloud” in many docs. Changed name of <i>Private-Cloud-Getting-Started-Guide-Azure</i> to <i>GS-Guide-for-Azure-BYOC</i>.</p> <p>Added link to NASUNI-FILER-MIB for SNMP support, in <i>Administration Guide</i>.</p> <p>Added NTFS Exclusive Mode to available permissions for volume, in <i>Administration Guide</i> and other documents.</p> <p>Created <i>Upgrading Nasuni Filers to Use Case-Insensitive Volumes</i> procedure.</p> <p>Clarified that changes to the Snapshot Retention setting go into effect when the next snapshot occurs, and that it is normal to temporarily see more snapshots than the Snapshot Retention setting would suggest, in <i>Administration Guide</i> and <i>NMC Guide</i>.</p> <p>Added detailed instructions in volume creation procedures about preferring case-insensitive CIFS volumes, in <i>Administration Guide</i>, <i>Best Practices Guide</i>, and <i>Worksheets for Configuring NMC, Nasuni Filers, Volumes, and Shares</i>.</p> <p>Added best practices for handling historical SIDs before adding data, in <i>Administration Guide</i>, <i>Best Practices Guide</i>, and <i>NMC Guide</i>.</p> <p>Removed references to <code>fsck</code>, since it is unnecessary with OS7, in <i>Administration Guide</i>, <i>NMC Guide</i>, <i>Recovery Guide</i>, <i>Installing on Virtual</i>.</p>

Chapter 1: Nasuni Filer Third-Party Software

Overview

Nasuni Filer uses some third-party software from a number of vendors. Nasuni Corporation thanks the open source community for its help.

The software included in this product contains copyrighted software that is proprietary to Nasuni, as well as independent software modules that are licensed under the General Public License (GPL). A copy of that license is available in [Chapter 2, “General Public License \(GPL\),” on page 33](#). You may obtain from us the complete Corresponding Source code for the independent software modules for a period of three years after our last shipment of this product, which will be no earlier than 2015-08-01, by sending a money order or check for \$5 to:

GPL Compliance Division
Nasuni
One Marina Park Drive
Boston, MA 02210

This offer is valid to anyone in receipt of this information.

Operating System

The Nasuni Filer operating system is based on the open source operating system Linux.

Summary

This section lists third-party software (including vendor name and license) used with Nasuni Filer.

azure-sdk-for-python

Vendor	Microsoft
URL	https://github.com/Azure/azure-sdk-for-python
Third-Party Software Program	Microsoft Azure SDK for Python
Proprietary Notices	Copyright © Microsoft (https://github.com/Azure/azure-sdk-for-python/blob/master/setup.py)
License Text	https://github.com/Azure/azure-sdk-for-python/blob/master/LICENSE.txt

Backbone.js

Vendor	Jeremy Ashkenas
URL	http://backbonejs.org/
Third-Party Software Program	Backbone.js gives structure to web applications by providing models with key-value binding and custom events, collections with a rich API of enumerable functions, views with declarative event handling, and connects it all to your existing API over a RESTful JSON interface.
Proprietary Notices	Copyright © 2010-2015 Jeremy Ashkenas (https://github.com/jashkenas/backbone/blob/master/LICENSE)
License Text	https://github.com/jashkenas/backbone/blob/master/LICENSE

bootstrap-datepicker

Vendor	eternicode
URL	https://github.com/eternicode/bootstrap-datepicker
Third-Party Software Program	Bootstrap-datepicker provides a flexible datepicker widget in the Twitter bootstrap style
Proprietary Notices	Copyright © 2012 Stefan Petre (https://github.com/eternicode/bootstrap-datepicker/blob/b1775813f4e8e23775b7d389044f9573bc3f4b55/css/datepicker3.css)
License Text	https://github.com/eternicode/bootstrap-datepicker/blob/091f01b56c3a9905e598782f49a2777cc5b4d938/LICENSE

bootstrap-daterangepicker

Vendor	Dan Grossman
URL	https://github.com/dangrossman/bootstrap-daterangepicker
Third-Party Software Program	Date range picker component for Bootstrap
Proprietary Notices	Copyright © 2012-2015 Dan Grossman (https://github.com/dangrossman/bootstrap-daterangepicker#license)
License Text	https://github.com/dangrossman/bootstrap-daterangepicker#license

ClamAV

Vendor	Sourcefire
URL	http://www.clamav.net/
Third-Party Software Program	ClamAV open source (GPL) antivirus engine The Nasuni Filer Antivirus Service uses the Clam AntiVirus (ClamAV®) open-source antivirus engine. Synchronization with the ClamAV virus database occurs within four hours of an update to that database. Customers can report false positives here .
Proprietary Notices	Copyright © 2008, Sourcefire, Inc. (http://www.clamav.net/press/0.94.1-WhatsNew.pdf)
License Text	http://www.clamav.net/doc/latest/html/node35.html

classnames.js

Vendor	Jed Watson
URL	https://github.com/JedWatson/classnames/
Third-Party Software Program	A simple javascript utility for conditionally joining classNames together.
Proprietary Notices	Copyright © 2016 Jed Watson https://github.com/JedWatson/classnames/blob/master/LICENSE
License Text	https://github.com/JedWatson/classnames/blob/master/LICENSE

Cluster Manager

Vendor	Cluster Project
URL	http://fedorahosted.org/cluster/wiki/HomePage
Third-Party Software Program	Linux clustering components
Proprietary Notices	Copyright © 1997-2003 Sistina Software, Inc. All rights reserved. Copyright © 2004-2010 Red Hat, Inc. All rights reserved. (https://git.fedorahosted.org/cgit/cluster.git/tree/doc/COPYRIGHT?h=STABLE31)
License Text	https://git.fedorahosted.org/cgit/cluster.git/tree/doc/README.licence?h=STABLE31

corosync

Vendor	Corosync
URL	https://github.com/corosync
Third-Party Software Program	Corosync Cluster Engine
Proprietary Notices	Copyright © 2002-2004 MontaVista Software, Inc. Copyright © 2005-2010 Red Hat, Inc. (https://github.com/corosync/corosync/blob/master/LICENSE)
License Text	https://github.com/corosync/corosync/blob/master/LICENSE

DataTables

Vendor	SpryMedia Ltd
URL	http://www.datatables.net/
Third-Party Software Program	Table plug-in for jQuery
Proprietary Notices	Copyright © 2007-2015 SpryMedia Ltd (http://www.datatables.net/faqs/index)
License Text	http://www.datatables.net/license/mit

Django

Vendor	Django Software Foundation
URL	http://www.djangoproject.com
Third-Party Software Program	Django high-level Python Web framework
Proprietary Notices	Copyright © 2005-2013 Django Software Foundation (http://www.djangoproject.com)
License Text	https://github.com/django/django/blob/master/LICENSE

django-templatetag-handlebars

Vendor	Makina Corpus
URL	https://github.com/makinacorpus/django-templatetag-handlebars
Third-Party Software Program	django-templatetag-handlebars to embed Handlebars.js templates in your django templates
Proprietary Notices	Copyright © 2011 Yehuda Katz (https://github.com/makinacorpus/django-templatetag-handlebars/blob/master/README.rst)
License Text	https://github.com/makinacorpus/django-templatetag-handlebars/blob/master/LICENSE

Handlebars.js

Vendor	Handlebars.js
URL	http://handlebarsjs.com/
Third-Party Software Program	Handlebars.js logicless templating language
Proprietary Notices	Copyright © 2011 by Yehuda Katz (https://github.com/wycats/handlebars.js/blob/master/LICENSE)
License Text	https://github.com/wycats/handlebars.js/blob/master/LICENSE

Highcharts

Vendor	Highsoft Solutions AS
URL	http://www.highcharts.com/
Third-Party Software Program	Highcharts interactive Javascript charts
Proprietary Notices	Copyright © 2011 Highslide Software (http://shop.highsoft.com/highcharts.html)
License Text	http://www.highcharts.com/license

httplib2

Vendor	Google
URL	http://code.google.com/p/httplib2
Third-Party Software Program	httplib2 - a comprehensive HTTP client library in Python
Proprietary Notices	Copyright © 2006 by Joe Gregorio (https://github.com/uggedal/httplib2/blob/master/README)
License Text	https://github.com/uggedal/httplib2/blob/master/README

IcoMoon Icon Pack

Vendor	Keyamoon
URL	https://icomoon.io/
Third-Party Software Program	Custom built and crisp icon fonts.
Proprietary Notices	Copyright © 2015 Roonas. (https://icomoon.io/#termsofuse)
License Text	https://icomoon.io/#termsofuse

iDRAC

Vendor	Dell Inc.
URL	http://www.dell.com/learn/us/en/555/solutions/integrated-dell-remote-access-controller-idrac
Third-Party Software Program	Integrated Dell Remote Access Controller
Proprietary Notices	Copyright © 1999-2013 Dell Inc. (http://www.dell.com/learn/bb/en/bbbsdt1/solutions/integrated-dell-remote-access-controller-idrac)
License Text	http://www.dell.com/learn/us/en/rc1050265/solutions/software-license-agreements

ipaddr-py

Vendor	Google
URL	http://code.google.com/p/ipaddr-py
Third-Party Software Program	ipaddr-py IPv4/IPv6 manipulation library in Python
Proprietary Notices	Copyright © 2007 Google Inc. (https://netcheck.poly.edu/projects/project/browser/ipaddr.py)
License Text	https://netcheck.poly.edu/projects/project/browser/ipaddr.py

jQuery

Vendor	jQuery
URL	http://jquery.com
Third-Party Software Program	jQuery
Proprietary Notices	Copyright © 2012 The jQuery Foundation (http://jquery.com)
License Text	http://jquery.org/license

jQuery Browser Plugin

Vendor	gabceb
URL	https://github.com/gabceb/jquery-browser-plugin
Third-Party Software Program	A jQuery plugin for browser detection.
Proprietary Notices	Copyright 2015 jQuery Foundation Copyright 2015 Gabriel Cebrian (http://jquery.com)
License Text	https://github.com/gabceb/jquery-browser-plugin/blob/master/MIT-LICENSE.txt

jQuery File Download Plugin

Vendor	John Culviner
URL	https://github.com/johnculviner/jquery.fileDownload
Third-Party Software Program	jQuery File Download is a cross server platform compatible jQuery plugin that allows for an Ajax-like file download experience that isn't normally possible using the web.
Proprietary Notices	Copyright 2014 John Culviner (https://github.com/johnculviner/jquery.fileDownload/blob/master/LICENSE)
License Text	https://github.com/johnculviner/jquery.fileDownload/blob/master/LICENSE

jQuery-File-Upload

Vendor	blueimp
URL	https://github.com/blueimp/jQuery-File-Upload
Third-Party Software Program	jQuery-File-Upload file upload widget
Proprietary Notices	Copyright © 2010 Sebastian Tschan (https://github.com/blueimp/jQuery-File-Upload/blob/master/cors/result.html)
License Text	https://github.com/blueimp/jQuery-File-Upload/blob/master/README.md

jquery-metadata

Vendor	jQuery
URL	https://github.com/jquery-orphans/jquery-metadata
Third-Party Software Program	A jQuery plugin for extracting metadata from DOM elements
Proprietary Notices	Copyright © 2006 John Resig, Yehuda Katz, Jörn Zaefferer, Paul McLanahan (https://github.com/jquery-orphans/jquery-metadata/blob/master/jquery.metadata.js)
License Text	https://github.com/jquery-orphans/jquery-metadata/blob/master/jquery.metadata.js

jQuery Migrate

Vendor	jQuery
URL	https://github.com/jquery/jquery-migrate
Third-Party Software Program	This plugin can be used to detect and restore APIs or features that have been deprecated in jQuery and removed as of version 1.9.
Proprietary Notices	Copyright 2015 jQuery Foundation and other contributors, https://jquery.org/ (https://github.com/jquery/jquery-migrate/blob/master/LICENSE.txt)
License Text	https://github.com/jquery/jquery-migrate/blob/master/LICENSE.txt

LibreOffice

Vendor	The Document Foundation
URL	https://www.libreoffice.org/
Third-Party Software Program	Free and open source office suite including: Writer (word processing), Calc (spreadsheets), Impress (presentations), Draw (vector graphics and flowcharts), Base (databases), and Math (formula editing).
Proprietary Notices	Copyright © 2016 The Document Foundation https://www.libreoffice.org/about-us/licenses/
License Text	https://www.libreoffice.org/about-us/licenses/

lockfile

Vendor	lockfile
URL	http://pypi.python.org/pypi/lockfile
Third-Party Software Program	lockfile platform-independent file locking module
Proprietary Notices	Copyright © 2007 Skip Montanaro (https://launchpad.net/ubuntu/precise/+source/python-lockfile/+copyright)
License Text	http://pypi.python.org/pypi/lockfile

MegaCLI

Vendor	LSI
URL	http://www.lsi.com/sep/Pages/oracle/sg_x_sas6-r-int-z.aspx
Third-Party Software Program	Storage components
Proprietary Notices	Copyright © 2012 by LSI Corporation (http://www.lsi.com/downloads/Public/MegaRAID%20Common%20Files/SASUG_51530-00_RevG.pdf)
License Text	http://www.lsi.com/downloads/Public/Direct%20Assets/LSI/SLA_AdvancedSoftware_FINAL_792010.pdf

Moment.js

Vendor	moment
URL	http://momentjs.com/
Third-Party Software Program	Javascript date library for parsing, validating, manipulating, and formatting dates
Proprietary Notices	Copyright © 2011-2013 Tim Wood, Iskren Chernev, Moment.js contributors (https://github.com/moment/moment/blob/develop/LICENSE)
License Text	https://github.com/moment/moment/blob/develop/LICENSE

netifaces

Vendor	netifaces
URL	http://pypi.python.org/pypi/netifaces
Third-Party Software Program	netifaces portable network interface information
Proprietary Notices	Copyright © 2013 Alastair Houghton (http://alastairs-place.net/projects/netifaces/)
License Text	http://pypi.python.org/pypi/netifaces

Open Sans

Vendor	Google Fonts
URL	https://www.google.com/fonts/specimen/Open+Sans
Third-Party Software Program	Open Sans is a humanist sans serif typeface designed by Steve Matteson.
Proprietary Notices	Copyright © 2015 Steve Matteson (https://profiles.google.com/107777320916704234605/about)
License Text	http://www.apache.org/licenses/LICENSE-2.0.html

pacemaker

Vendor	Pacemaker
URL	http://clusterlabs.org/
Third-Party Software Program	Open Source, High Availability resource manager
Proprietary Notices	Copyright © 2009-2012 Andrew Beekhof (http://clusterlabs.org/doc/en-US/Pacemaker/1.1/html/Clusters_from_Scratch/)
License Text	http://clusterlabs.org/wiki/License

pam

Vendor	pexpect
URL	http://www.linux-pam.org/
Third-Party Software Program	A flexible mechanism for authenticating users
Proprietary Notices	Copyright © 2009 Thorsten Kukuk (http://www.linux-pam.org/library/Linux-PAM-1.0.3-1.0.4.diff)
License Text	https://www.archlinux.org/packages/core/i686/pam/

pdf.js

Vendor	Mozilla Foundation
URL	https://github.com/mozilla/pdf.js
Third-Party Software Program	PDF.js is a Portable Document Format (PDF) viewer that is built with HTML5.
Proprietary Notices	Copyright © 2012 Mozilla Foundation https://github.com/mozilla/pdf.js/blob/10cd37cfb22395e395b64b14445c004b592643b3/extensions/firefox/content/PdfJs-stub.jsm
License Text	https://github.com/mozilla/pdf.js/blob/master/LICENSE

pexpect

Vendor	pexpect
URL	http://pypi.python.org/pypi/pexpect
Third-Party Software Program	pexpect pure Python expect-like module
Proprietary Notices	Copyright © 2012 Noah Spurrier (http://www.noah.org/wiki/Pexpect#License)
License Text	http://www.noah.org/wiki/Pexpect#License

poster

Vendor	poster
URL	http://atlee.ca/software/poster
Third-Party Software Program	poster set of classes and functions to facilitate making HTTP POST (or PUT) requests
Proprietary Notices	Copyright © 2011 Chris AtLee (http://atlee.ca/software/poster/#license)
License Text	http://atlee.ca/software/poster/#license

PostgreSQL

Vendor	PostgreSQL
URL	http://www.postgresql.org/
Third-Party Software Program	Database management system
Proprietary Notices	Copyright © 1996-2013 The PostgreSQL Global Development Group (http://www.postgresql.org/)
License Text	http://www.postgresql.org/about/licence

ProFTPD

Vendor	The ProFTPD Project
URL	http://www.proftpd.org/
Third-Party Software Program	Highly configurable GPL-licensed FTP server software
Proprietary Notices	Copyright © 1999 - 2015 The ProFTPD Project (http://www.proftpd.org/)
License Text	http://www.proftpd.org/

pysmbc

Vendor	Tim Waugh
URL	http://pypi.python.org/pypi/pysmbc
Third-Party Software Program	pysmbc Python bindings for the libsmbclient API from Samba
Proprietary Notices	Copyright © 2002, 2005, 2006, 2007, 2008 Tim Waugh (https://github.com/hamano/pysmbc/blob/master/dir.h)
License Text	http://pypi.python.org/pypi/pysmbc/

python-netsnmpagent

Vendor	Pieter Hollants
URL	https://github.com/pief/python-netsnmpagent
Third-Party Software Program	facilitates writing Net-SNMP subagents in Python
Proprietary Notices	Copyright © 2013 Pieter Hollants (https://github.com/pief/python-netsnmpagent/blob/master/README)
License Text	https://github.com/pief/python-netsnmpagent/blob/master/LICENSE

pytz

Vendor	lustin Pop
URL	http://pytz.sourceforge.net/
Third-Party Software Program	Brings the Olson tz database into Python. This library allows accurate and cross platform time zone calculations using Python 2.4 or higher.
Proprietary Notices	© Copyright 2008, Stuart Bishop (© Copyright 2008, Stuart Bishop.)
License Text	http://pytz.sourceforge.net/#license

pyxattr

Vendor	lustin Pop
URL	http://pyxattr.k1024.org/
Third-Party Software Program	Python extension module that gives access to the extended attributes for filesystem objects available in some operating systems.
Proprietary Notices	Copyright © 2002-2008, 2012, 2013 lustin Pop (http://pyxattr.k1024.org/#)
License Text	http://pyxattr.k1024.org/#

React

Vendor	Facebook
URL	https://facebook.github.io/react/
Third-Party Software Program	Declarative JavaScript components for creating interactive UIs.
Proprietary Notices	Copyright © 2013 – 2016 Facebook Inc. https://facebook.github.io/react/
License Text	https://facebook.github.io/react/

SmartBanner

Vendor	Arnold Daniels, Jasny
URL	https://github.com/jasny/jquery.smartbanner
Third-Party Software Program	Smart Banners are used with Nasuni Web Access and Mobile Access to display banners on Android devices.
Proprietary Notices	Copyright © 2015 Arnold Daniels <arnold@jasny.net> (https://github.com/jasny/jquery.smartbanner/blob/master/LICENSE)
License Text	https://github.com/jasny/jquery.smartbanner/blob/master/LICENSE

socketconsole

Vendor	robotadam
URL	https://github.com/robotadam/socketconsole
Third-Party Software Program	Python module to open a unix socket to dump all threads' stack traces when read
Proprietary Notices	Copyright © 2011 Adam Lowry (https://github.com/robotadam/socketconsole/blob/master/LICENSE)
License Text	https://github.com/robotadam/socketconsole/blob/master/LICENSE

South

Vendor	South
URL	http://south.aeracode.org
Third-Party Software Program	South intelligent schema and data migrations for Django projects
Proprietary Notices	Copyright © 2008 Andrew Godwin & Andy McCurdy (https://launchpad.net/ubuntu/precise/+source/python-django-south/+copyright)
License Text	http://south.aeracode.org/wiki/License

syscfg

Vendor	Dell Inc.
URL	https://downloadcenter.intel.com/Detail_Desc.aspx?DwnldID=18317
Third-Party Software Program	openmanage command line tool that allows you to read and set BIOS options
Proprietary Notices	Copyright © 2002-2010 Dell Inc. (http://linux.dell.com/wiki/index.php/Syscfg)
License Text	http://linux.dell.com/wiki/index.php/Syscfg

tablesorter

Vendor	tablesorter
URL	http://tablesorter.com/docs
Third-Party Software Program	tablesorter flexible client-side table sorting
Proprietary Notices	Copyright © 2007 Christian Bach (https://github.com/Mottie/tablesorter)
License Text	http://tablesorter.com/docs

tgt

Vendor	tgt project
URL	http://stgt.sourceforge.net/
Third-Party Software Program	tgt SCSI target framework
Proprietary Notices	Copyright © 2009-2010 FUJITA Tomonori (http://stgt.sourceforge.net/)
License Text	https://github.com/fujita/tgt

timelib

Vendor	pediappress
URL	https://pypi.python.org/pypi/timelib
Third-Party Software Program	Parse english textual date descriptions
Proprietary Notices	Copyright © 2009-2011 PediaPress GmbH (https://github.com/pediappress/timelib/blob/master/README.rst)
License Text	https://github.com/pediappress/timelib/

Twitter Bootstrap

Vendor	Twitter
URL	http://twitter.github.com/bootstrap/
Third-Party Software Program	Twitter Bootstrap
Proprietary Notices	Copyright © 2012 Twitter, Inc. (https://github.com/twitter/bootstrap/blob/master/README.md)
License Text	https://github.com/twitter/bootstrap/blob/master/LICENSE

Underscore String

Vendor	Underscore String
URL	https://github.com/epeli/underscore.string
Third-Party Software Program	Underscore string manipulation extensions
Proprietary Notices	Copyright © 2011 Esa-Matti Suuronen esa-matti@suuronen.org (https://github.com/epeli/underscore.string/blob/master/README.markdown)
License Text	https://github.com/epeli/underscore.string/blob/master/README.markdown

unoconv

Vendor	Dag Wieers
URL	https://github.com/dagwieers/unoconv
Third-Party Software Program	Universal Office Converter - Convert between any document format supported by LibreOffice/OpenOffice.
Proprietary Notices	Copyright © 2007 Dag Wieers https://github.com/dagwieers/unoconv/blob/master/doc/unoconv.1
License Text	https://github.com/dagwieers/unoconv/blob/master/COPYING

virtualenv

Vendor	virtualenv
URL	http://pypi.python.org/pypi/virtualenv
Third-Party Software Program	virtual Python environment builder
Proprietary Notices	Copyright © 2007-2012, Ian Bicking, The Open Planning Project, The virtualenv developers (http://www.virtualenv.org/en/latest/)
License Text	http://pypi.python.org/pypi/virtualenv

virtualenvwrapper

Vendor	Doug Hellmann
URL	http://www.doughellmann.com/projects/virtualenvwrapper
Third-Party Software Program	virtualenvwrapper set of extensions to virtualenv
Proprietary Notices	Copyright © Doug Hellmann, All Rights Reserved (http://www.doughellmann.com/projects/virtualenvwrapper/#license)
License Text	http://www.doughellmann.com/projects/virtualenvwrapper/#license

waagent

Vendor	Microsoft Corporation
URL	https://github.com/Azure/WALinuxAgent
Third-Party Software Program	Microsoft Azure Linux Agent
Proprietary Notices	Copyright © 2012 Microsoft Corporation (http://github.com/Azure/WALinuxAgent/blob/master/NOTICE)
License Text	http://github.com/Azure/WALinuxAgent/blob/master/LICENSE.txt

Chapter 2: General Public License (GPL)

License

The following is the General Public License (GPL):

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