

Vertiv™ Avocent® IPSL IP Serial Device

Open Source Software Notice

NOVEMBER 2024

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1. Overview

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The following table lists the open source software licenses as well as the components of each.

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LICENSE		COMPONENTS			
AFL-2.1 GPLv2+	Apache-2.0	dbus	dbus-lib		
		clear-once	dbus-broker	dbus-perms	ffdc
		first-boot-set-hostname	gpioplus	hw-watchdog	libmapper
		obmc-console	obmc-phosphor-power	openpower-fru-vpd	phosphor-certificate-manager
		phosphor-dbus-interfaces	phosphor-debug-collector-dreport	phosphor-debug-collector-manager	phosphor-debug-collector-monitor
		phosphor-debug-collector-scripts	phosphor-fan-control	phosphor-fan-monitor	phosphor-fan-presence-tach
		phosphor-health-monitor	phosphor-hwmon	phosphor-image-signing	phosphor-inventory-manager
		phosphor-led-manager-faultmonitor	phosphor-led-manager-ledmanager	phosphor-led-sysfs	phosphor-logging
		phosphor-logging-base	phosphor-mapper	phosphor-network	phosphor-rsyslog-config
		phosphor-sel-logger	phosphor-settings-manager	phosphor-software-manager-download-mgr	phosphor-software-manager-updater
		phosphor-software-manager-version	phosphor-state-manager-bmc	phosphor-state-manager-chassis	phosphor-state-manager-discover
		phosphor-state-manager-host	phosphor-state-manager-host-check	phosphor-state-manager-obmc-targets	phosphor-state-manager-reset-sensor-states

LICENSE	COMPONENTS				ONEN
Apache-2.0 (continued)	phosphor-state-manager-systemd-target-monitor	phosphor-systemd-policy	phosphor-time-manager	phosphor-user-manager	
	sdbusplus	sdeventplus	slpd-lite	stdplus	
	udev-aspeed-mtd-partitions	udev-aspeed-vuart	vertiv-dbus-interfaces		
	aspeed-image-recoveryuart				
BSD	redis				
BSD & MIT	net-snmp	net-snmp-client	net-snmp-lib-agent	net-snmp-lib-helpers	
	net-snmp-lib-mibs	net-snmp-lib-netsnmp	net-snmp-libs		
	net-snmp-mibs				
BSD Artistic-1.0	shadow	shadow-base			
BSD GPLv2	libcap				
BSD-1-Clause	libwrap				
BSD-2-Clause	linenoise	lua-resty-http	lua-resty-random	openresty	
BSD-3-Clause	libpcrc	libtirpc	rpcbind	util-linux-libuuid	
BSL-1.0 & MIT & Python-2.0	boost-context	boost-coroutine	boost-thread		
GPL-2.0	ndisc6				
GPL-2.0+ & LGPL-2.1+	kmod				
GPL-3.0-with-GCC-exception	libgcc	libstdc++			
GPLv2	base-files	base-passwd	e2fsprogs-e2fsck	kernel-base	
	kernel-module-aspeed-vhub-5.8.17-7ee2d5b4d43403537df38d43c29f2a1bcb4dbce4-ACI-v0.1				
	kernel-module-configfs-5.8.17-7ee2d5b4d43403537df38d43c29f2a1bcb4dbce4-ACI-v0.1				
	kernel-module-g-edm-kbdmouse-5.8.17-7ee2d5b4d43403537df38d43c29f2a1bcb4dbce4-ACI-v0.1				
	kernel-module-g-edm-mass-storage-5.8.17-7ee2d5b4d43403537df38d43c29f2a1bcb4dbce4-ACI-v0.1				
	kernel-module-g-ether-5.8.17-7ee2d5b4d43403537df38d43c29f2a1bcb4dbce4-ACI-v0.1				
	kernel-module-libcomposite-5.8.17-7ee2d5b4d43403537df38d43c29f2a1bcb4dbce4-ACI-v0.1				
	kernel-module-u-ether-5.8.17-7ee2d5b4d43403537df38d43c29f2a1bcb4dbce4-ACI-v0.1				

License	Components			
GPLv2 (continued)	kernel-module-usb-f-ecm-5.8.17-7ee2d5b4d43403537df38d43c29f2a1bcb4dbce4-ACI-v0.1			
	kernel-module-usb-f-ecm-subset-5.8.17-7ee2d5b4d43403537df38d43c29f2a1bcb4dbce4-ACI-v0.1			
	kernel-module-usb-f-rndis-5.8.17-7ee2d5b4d43403537df38d43c29f2a1bcb4dbce4-ACI-v0.1			
	Logrotate	netbase		
	rng-tools	linux-aspeed		
GPLv2 & bzip2-1.0.4	busybox	busybox-udhcpc		
GPLv2 & LGPLv2 & BSD & MIT	libcomerr	libe2p	libext2fs	
GPLv2 & LGPLv2.1	glibc	libsystemd	libudev	systemd
	systemd-extra-utils	systemd-udev-rules		
	udev			
GPLv2+	ethtool	i2c-tools	libpci	lrzsz
	systemd-serialgetty	u-boot-fw-utils-aspeed-sdk	update-alternatives-opkg	update-rc.d
	xz	u-boot-aspeed-sdk		
GPLv2+ & LGPLv2.1+	libcap-ng			
GPLv2+ & LGPLv2.1+ & BSD-3-Clause & BSD-4-Clause	util-linux-agetty	util-linux-fsck		
	util-linux-mount	util-linux-sulogin		
	util-linux-umount			
GPLv2+ BSD	libpam	libpam-runtime	pam-plugin-access	pam-plugin-cracklib
	pam-plugin-deny	pam-plugin-env	pam-plugin-faildelay	pam-plugin-group
	pam-plugin-keyinit	pam-plugin-lastlog	pam-plugin-limits	pam-plugin-localuser
	pam-plugin-loginuid	pam-plugin-mail	pam-plugin-motd	pam-plugin-nologin
	pam-plugin-permit	pam-plugin-pwhistory	pam-plugin-rootok	pam-plugin-securetty
	pam-plugin-shells	pam-plugin-succeed-if	pam-plugin-tally2	pam-plugin-unix
	pam-plugin-warn			
GPLv3 & LGPLv3	cifs-utils			
GPLv3 & LGPLv3 & Apache-2.0	rsyslog			

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GPLv3+	bash	rsync		
ISC & BSD-3-Clause & BSD-2-Clause & GPLv2+	cronie			
LGPL-2.1+	libkmod			
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	libsfs			
	libxcrypt			
LGPLv2.1+	avahi-daemon	cracklib	libavahi-common	libavahi-core
	libdaemon	libgpiod	libgpiod-tools	libmnl
	libnss-mdns	util-linux-libblkid	util-linux-libmount	
MIT	expat	fmt	iniparser	jansson
	lapis	libfastjson	lpeg	lpeg-patterns
	lua-resty-jit-uuid	lua-resty-mail	luasocket	md5
	ncurses-libncurses	ncurses-libtinfo	ncurses-terminfo-base	os-release
	packagegroup-aci-advanced	packagegroup-aci-advanced-kvm	packagegroup-aci-ast2600	packagegroup-aci-core
	packagegroup-aci-essentials	packagegroup-aci-redfish-advanced-backendservices	packagegroup-aci-redfish-backendservices	packagegroup-base
	packagegroup-base-extended	packagegroup-base-ipv6	packagegroup-core-boot	packagegroup-core-ssh-dropbear
	packagegroup-distro-base	packagegroup-machine-base	packagegroup-obmc-apps-bmc-state-mgmt	packagegroup-obmc-apps-bmcweb
	packagegroup-obmc-apps-chassis-state-mgmt	packagegroup-obmc-apps-console	packagegroup-obmc-apps-debug-collector	packagegroup-obmc-apps-devtools
	packagegroup-obmc-apps-extras	packagegroup-obmc-apps-fan-control	packagegroup-obmc-apps-health-monitor	packagegroup-obmc-apps-host-state-mgmt
	packagegroup-obmc-apps-ikvm	packagegroup-obmc-apps-inventory	packagegroup-obmc-apps-leds	packagegroup-obmc-apps-logging
	packagegroup-obmc-apps-network	packagegroup-obmc-apps-remote-logging	packagegroup-obmc-apps-rng	packagegroup-obmc-apps-sensors
	packagegroup-obmc-apps-settings	packagegroup-obmc-apps-software	packagegroup-obmc-apps-user-mgmt	packagegroup-obmc-apps-user-mgmt-ldap

LICENSE	COMPONENTS
MIT (continued)	popt run-postinsts shadow-securetty systemd-compat-units
	systemd-conf volatile-binds aspeed-image-secureboot
MIT & BSD-3-Clause & BSD-2-Clause & PD	dropbear
MIT & GPLv2+ & BSD	nfs-utils-client nfs-utils-mount
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OpenLDAP	openldap
openssl	libcrypto libssl openssl
	openssl-bin
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