



**Revision List of the
QNIX Hypervisor for Safety (QHS)
by BlackBerry Limited
Certificate No.: 968/FSP 1976.02/22**



QNIX Hypervisor for Safety 2.2.2 (QHS 2.2.2)

List of Runtime Components (AArch64)

File	Short Filename	SHA512 (base64)	Report-No.	Status
target/qnx7/aarch64le/boot/sys/libmod_qvm-safety.a	libmod_qvm-safety.a	HkhXPpQIwGYKjZD9IYBjv00303p35WaK12HwAC1cs9cyyfozOkBdvRMvAmnBqyHG22Ma jma3 jsWYfQPeYcKNw==	968/FSP 1976.03/22	VALID
target/qnx7/aarch64le/lib/dll/vdev-pci-dummy-safety.so	vdev-pci-dummy-safety.so	aOtYAG3VybnXuAou0Lix6uXepv9UFQC8wna/EGjWj7ee fmevukbSeHMT2I1lEsQgGC0cEKEHYHRsr7lJyAiSVyg==	968/FSP 1976.03/22	VALID
target/qnx7/aarch64le/lib/dll/vdev-pl011-safety.so	vdev-pl011-safety.so	bBH2lgsWgYO0mmz8ixlOW/ICmVwJz0HRzMVoMc2pazvo629mUFkYcrXN+1LV0GrQICqzND2/oV/+IT3x9tM82Q==	968/FSP 1976.03/22	VALID
target/qnx7/aarch64le/lib/dll/vdev-ser8250-safety.so	vdev-ser8250-safety.so	fdZb8Ehg6bGYUozpLhn+2Lu8XNvyp/4hzFX7ehscVon9Jtxo9dTuMBRCeO/3y3UrHnroPPaT3ApPUK8JHs2Z2A==	968/FSP 1976.03/22	VALID
target/qnx7/aarch64le/lib/dll/vdev-shmem-safety.so	vdev-shmem-safety.so	8J5KFp3yg9QxzsmGcbXocd9rudEXUknUt i7Cq90t9qS2MbtNmwoQVZ5IS/d+YcEWqQy8rr6q3d3XoRCAY0lqdA==	968/FSP 1976.03/22	VALID
target/qnx7/aarch64le/lib/dll/vdev-smmu-safety.so	vdev-smmu-safety.so	72he0TFRibNJ63wyCMQ+RqKBTlk2fhBkVo4sWE+Dpb1RpIYeiy1lxOY/crXuqKrlP+fG2UNuchYFZspSDwX3g==	968/FSP 1976.03/22	VALID
target/qnx7/aarch64le/lib/dll/vdev-virtio-blk-safety.so	vdev-virtio-blk-safety.so	9APuZ9vECFcrhKfdIR7ZHQVhEFU3a7yuh/kT+BepYy8jtZip1lhFNlq/EePrYsaS7zh7pfIWRngqBTprR7Igg==	968/FSP 1976.03/22	VALID
target/qnx7/aarch64le/lib/dll/vdev-virtio-console-safety.so	vdev-virtio-console-safety.so	7jbdp+f0lKc+VC5i3ZaMjeK8qPlqgy8bK/evZuZ6ptX5eJmYSjqNySVzSFprOCDgv/klwZkYT+q8RSU6ADsGtg==	968/FSP 1976.03/22	VALID
target/qnx7/aarch64le/lib/dll/vdev-virtio-entropy-safety.so	vdev-virtio-entropy-safety.so	thr9B2tN0ueqTQXBEFc+TbdVuGixyrRLlEeYyWvz83nBcs/9FibTlI9348o1nnkGiIC/7YyPzwafHjb5n4Big==	968/FSP 1976.03/22	VALID
target/qnx7/aarch64le/lib/dll/vdev-virtio-net-safety.so	vdev-virtio-net-safety.so	dSWzJUmr8tLrmvEs5/C0041f9PPue7BjcbUN/8fxp1o+ZfjKp+gFtQCTnydNBY6AdTiGahTvIOACwbrBSVbIXg==	968/FSP 1976.03/22	VALID
target/qnx7/aarch64le/lib/dll/vdev-wdt-sp805-safety.so	vdev-wdt-sp805-safety.so	XmutuORQRxQ7Fks4NQOn76S9YDwGNcm7ggPlgTgW/gUPfjAeyiUEvVGYtwLAsWwwuaDrJqYPWu772kDgjL372g==	968/FSP 1976.03/22	VALID
target/qnx7/aarch64le/sbin/qvm-safety	qvm-safety	EiK7wqY+Xn6wFYRgQpDMVvBtuuVCBpj2m/GkYY1SZxjPLiVJaKTVwOyLe6E1DoDu2Ie+yG2LtKNblawj8rSZKQ==	968/FSP 1976.03/22	VALID



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List of Runtime Components (x86_64)

File	Short Filename	SHA512 (base64)	Report-No.	Status
target/qnx7/x86_64/boot/sys/libmod_qvm-safety.a	libmod_qvm-safety.a	yMV6vBqNCZZ8h+8BDPb1ekkb4iRoMV3+YU4jdNER+mzLEqXkS4AUzCMA8PhVw84xERRvmwXZGXGdgiPuMVB5+g==	968/FSP 1976.03/22	VALID
target/qnx7/x86_64/lib/dll/vdev-8259-safety.so	vdev-8259-safety.so	642DjoWlWv8wKK3PE6pI+3crVVnanV155S1Ybv24IEe/oGjC+aC9jvkaZVdqEHREmxkfwR35LpMA6/4zihxhFQ==	968/FSP 1976.03/22	VALID
target/qnx7/x86_64/lib/dll/vdev-hpet-safety.so	vdev-hpet-safety.so	276xcRjBJgLEluAVRvI94Img+DWc7dbRSaR0dX9BuWb91DTI/EG3LqEcT3nMUTTfw5kkE9uitVdMBVvSYcyVw==	968/FSP 1976.03/22	VALID
target/qnx7/x86_64/lib/dll/vdev-ioapic-safety.so	vdev-ioapic-safety.so	sPB7B59LN+XhdaCtYnr1NWwN1ApYOWvutAMFfzOrsa3fKj9fd97rTfrSBst/cX3TFgEL30azUZSud5+m5IknvQ==	968/FSP 1976.03/22	VALID
target/qnx7/x86_64/lib/dll/vdev-mc146818-safety.so	vdev-mc146818-safety.so	eWrsX811QN5jhpeCeDGLmUcB77GnjBqiTwQsSGvatwuXPOjh+kjNTANP8SiRvlgYpT9LfLELUDTHJbQovvUMA==	968/FSP 1976.03/22	VALID
target/qnx7/x86_64/lib/dll/vdev-pci-dummy-safety.so	vdev-pci-dummy-safety.so	qZ32WEALbjsZ+H2w/zdZivgEjipjz0e/yMevTf11bv91gv7/c57czCCGdWt4EVTB8NEVYZqxcPQdJP1P1wumAg==	968/FSP 1976.03/22	VALID
target/qnx7/x86_64/lib/dll/vdev-pckeyboard-safety.so	vdev-pckeyboard-safety.so	m2115/0ZYUHoZd5W5VR5hUGGkxD3L7ctgZKmkEsbrXgFOkQVlip0Og26QYIEGsyE/QB40j7croBmQApPXA1Cw==	968/FSP 1976.03/22	VALID
target/qnx7/x86_64/lib/dll/vdev-ser8250-safety.so	vdev-ser8250-safety.so	OsxvcJZz3QUdRUwr7BtZSaSn/P8fORXp51KnFWQET2ZDrfhkmuIPFF00yc5BmWlp100s1E5sX95mqIWSRI5qNQ==	968/FSP 1976.03/22	VALID
target/qnx7/x86_64/lib/dll/vdev-shmem-safety.so	vdev-shmem-safety.so	bppSA6kRFQ5ka j+q1XHI1PCVEuCDZyg95c/aVL9O6CPa5CUw8GV1A004Avk9KzbjpbDY0UhsN3ESm9KMI1LotA==	968/FSP 1976.03/22	VALID
target/qnx7/x86_64/lib/dll/vdev-smmu-safety.so	vdev-smmu-safety.so	zmx6hWimD4WDGZgeM4vuvgr3gqN9UNJdKPPkZgoQpbSTQ0lhGnqMzm64dg99NN38U89jndKRdD+9DELiIQfX9A==	968/FSP 1976.03/22	VALID
target/qnx7/x86_64/lib/dll/vdev-timer8254-safety.so	vdev-timer8254-safety.so	WQls8/HaC+kQKeXsFe3BFmN4ghe1ZFZUDcv4YPOGctt/M+AtpnGP1FFR0xPgFtD3s4aZPQ02JpBD8QsPzcZcw==	968/FSP 1976.03/22	VALID
target/qnx7/x86_64/lib/dll/vdev-virtio-blk-safety.so	vdev-virtio-blk-safety.so	wiz8R08mPc7XHLyPw+fTyQ1DtiyM0daTAR4tP9YiRk+Xr2JsQxYDBlmoi9/oULfoe3m8ijrD+6CvYfOkp2C1LA==	968/FSP 1976.03/22	VALID
target/qnx7/x86_64/lib/dll/vdev-virtio-console-safety.so	vdev-virtio-console-safety.so	ihBUeGdxo2U+JYNW7oqXmU8gMQEE4QsvJUoNtCRQPchWQnchfMrVJ9H0agCrz4Vevjkw6YX2LHXj+GmpXxpmIw==	968/FSP 1976.03/22	VALID
target/qnx7/x86_64/lib/dll/vdev-virtio-entropy-safety.so	vdev-virtio-entropy-safety.so	BJQ1PaqtNCEfYGLr6871hpOQZYeFUOXg2uvrZNdQTCNRV6LOU6V/Gcvxs3Ab8XmMP3TdLr5NCVjFX8vpdb8gjjg==	968/FSP 1976.03/22	VALID
target/qnx7/x86_64/lib/dll/vdev-virtio-net-safety.so	vdev-virtio-net-safety.so	CTg5t5FfPADv04BPNy74eryYpDV+B1esp1LmgVCINzGGV8sHf814rqWXIulWpGT+fCUuMIe6aKEPg3+wYaROUg==	968/FSP 1976.03/22	VALID
target/qnx7/x86_64/lib/dll/vdev-wdt-ib700-safety.so	vdev-wdt-ib700-safety.so	AbxtH94DAgBxt6Ed64BifBqK5gEIEkmsWIwcDhu8wj1zIYizfM1QFj5+vBIN6IVDRZkr7wg3ba jwQcboDt9HQ==	968/FSP 1976.03/22	VALID

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File	Short Filename	SHA512 (base64)	Report-No.	Status
target/qnx7/x86_64/sbin/qvm-safety	qvm-safety	6ZtKpF1WAqHLL3Hm8UUNTPY5+DfSEFVuoty2DqdT6sfb o1H9bzzUF+jFue5H3pHdDwZfNGEYnDA2KsuR6tzEdw==	968/FSP 1976.03/22	VALID

List of Development Headers

File	Short Filename	SHA512 (base64)	Report-No.	Status
target/qnx7/usr/include/qvm/abi.h	abi.h	41VI9YwiOUq9dwVSIOD1Ti0JViiKccnNZ08gb4TW/7mL /pJ7m0WEJL+pmTPp7KerIg2EZ06nx90JuUBwTD+o7A==	968/FSP 1976.03/22	VALID
target/qnx7/usr/include/qvm/types.h	types.h	oQNTUTG119cEYRqz1/k60S8mmWLnGau+9jzaysxZtQ9x zsehRe9sOSC+MasdCKwCAjYnibLhg4wiUV3uCSEvPg==	968/FSP 1976.03/22	VALID
target/qnx7/usr/include/qvm/vdev-core.h	vdev-core.h	cgVKDdEPHsk2CfbEI05INSQRyceOuijQSxBBKQkhWt1g nmfXmW7GmGAZt+JI+QJjBA0Fb3VtURLEwjgH/PwViw==	968/FSP 1976.03/22	VALID
target/qnx7/usr/include/qvm/vdevpeer.h	vdevpeer.h	CpSE+iJQbvppkt2OE30xDCKWjEUro5wXRuU18tQR6H/L AnYaF5jae+h1Sm8msfyl6j/LmU0ku+ElKVwmbOTk4Q==	968/FSP 1976.03/22	VALID



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List of Target Information

File	Short Filename	Use -i Value	Report-No	Status
target/qnx7/aarch64le/lib/dll/vdev-pci-dummy-safety.so	vdev-pci-dummy-safety.so	2022/07/14-14:14:13-EDT	968/FSP 1976.03/22	VALID
target/qnx7/aarch64le/lib/dll/vdev-pl011-safety.so	vdev-pl011-safety.so	2022/07/14-14:14:15-EDT	968/FSP 1976.03/22	VALID
target/qnx7/aarch64le/lib/dll/vdev-ser8250-safety.so	vdev-ser8250-safety.so	2022/07/14-14:14:18-EDT	968/FSP 1976.03/22	VALID
target/qnx7/aarch64le/lib/dll/vdev-shmem-safety.so	vdev-shmem-safety.so	2022/07/14-14:14:19-EDT	968/FSP 1976.03/22	VALID
target/qnx7/aarch64le/lib/dll/vdev-smmu-safety.so	vdev-smmu-safety.so	2022/07/14-14:14:22-EDT	968/FSP 1976.03/22	VALID
target/qnx7/aarch64le/lib/dll/vdev-virtio-blk-safety.so	vdev-virtio-blk-safety.so	2022/07/14-14:14:28-EDT	968/FSP 1976.03/22	VALID
target/qnx7/aarch64le/lib/dll/vdev-virtio-console-safety.so	vdev-virtio-console-safety.so	2022/07/14-14:14:32-EDT	968/FSP 1976.03/22	VALID
target/qnx7/aarch64le/lib/dll/vdev-virtio-entropy-safety.so	vdev-virtio-entropy-safety.so	2022/07/14-14:14:33-EDT	968/FSP 1976.03/22	VALID
target/qnx7/aarch64le/lib/dll/vdev-virtio-net-safety.so	vdev-virtio-net-safety.so	2022/07/14-14:14:35-EDT	968/FSP 1976.03/22	VALID
target/qnx7/aarch64le/lib/dll/vdev-wdt-sp805-safety.so	vdev-wdt-sp805-safety.so	2022/07/14-14:14:38-EDT	968/FSP 1976.03/22	VALID
target/qnx7/aarch64le/sbin/qvm-safety	qvm-safety	2022/07/14-14:13:59-EDT	968/FSP 1976.03/22	VALID
target/qnx7/x86_64/lib/dll/vdev-8259-safety.so	vdev-8259-safety.so	2022/07/14-14:14:07-EDT	968/FSP 1976.03/22	VALID
target/qnx7/x86_64/lib/dll/vdev-hpet-safety.so	vdev-hpet-safety.so	2022/07/14-14:14:09-EDT	968/FSP 1976.03/22	VALID
target/qnx7/x86_64/lib/dll/vdev-ioapic-safety.so	vdev-ioapic-safety.so	2022/07/14-14:14:10-EDT	968/FSP 1976.03/22	VALID
target/qnx7/x86_64/lib/dll/vdev-mc146818-safety.so	vdev-mc146818-safety.so	2022/07/14-14:14:11-EDT	968/FSP 1976.03/22	VALID
target/qnx7/x86_64/lib/dll/vdev-pci-dummy-safety.so	vdev-pci-dummy-safety.so	2022/07/14-14:14:14-EDT	968/FSP 1976.03/22	VALID
target/qnx7/x86_64/lib/dll/vdev-pckeyboard-safety.so	vdev-pckeyboard-safety.so	2022/07/14-14:14:14-EDT	968/FSP 1976.03/22	VALID
target/qnx7/x86_64/lib/dll/vdev-ser8250-safety.so	vdev-ser8250-safety.so	2022/07/14-14:14:18-EDT	968/FSP 1976.03/22	VALID
target/qnx7/x86_64/lib/dll/vdev-shmem-safety.so	vdev-shmem-safety.so	2022/07/14-14:14:20-EDT	968/FSP 1976.03/22	VALID
target/qnx7/x86_64/lib/dll/vdev-smmu-safety.so	vdev-smmu-safety.so	2022/07/14-14:14:23-EDT	968/FSP 1976.03/22	VALID
target/qnx7/x86_64/lib/dll/vdev-timer8254-safety.so	vdev-timer8254-safety.so	2022/07/14-14:14:24-EDT	968/FSP 1976.03/22	VALID
target/qnx7/x86_64/lib/dll/vdev-virtio-blk-safety.so	vdev-virtio-blk-safety.so	2022/07/14-14:14:31-EDT	968/FSP 1976.03/22	VALID
target/qnx7/x86_64/lib/dll/vdev-virtio-console-safety.so	vdev-virtio-console-safety.so	2022/07/14-14:14:32-EDT	968/FSP 1976.03/22	VALID
target/qnx7/x86_64/lib/dll/vdev-virtio-entropy-safety.so	vdev-virtio-entropy-safety.so	2022/07/14-14:14:34-EDT	968/FSP 1976.03/22	VALID
target/qnx7/x86_64/lib/dll/vdev-virtio-net-safety.so	vdev-virtio-net-safety.so	2022/07/14-14:14:36-EDT	968/FSP 1976.03/22	VALID
target/qnx7/x86_64/lib/dll/vdev-wdt-ib700-safety.so	vdev-wdt-ib700-safety.so	2022/07/14-14:14:37-EDT	968/FSP 1976.03/22	VALID
target/qnx7/x86_64/sbin/qvm-safety	qvm-safety	2022/07/14-14:14:05-EDT	968/FSP 1976.03/22	VALID

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List of Product Documentation

Document	Version	Report-No.	Status
QHS_2.2_Users_Guide_20220224.pdf	20220224	968/FSP 1976.03/22	VALID
QMS3335_QHS_2.2.2_SafetyManual_v5.0_20220901.pdf	5.0	968/FSP 1976.03/22	VALID
QMS3272_QHS_2.2.2_Hara_v9.0_20220920.pdf	9.0	968/FSP 1976.03/22	VALID
QMS3332_QHS_2.2.2_SafetyCase_v3.0_20220919.pdf	3.0	968/FSP 1976.03/22	VALID
QHS_2.2.2_Release_Notes_20221013.pdf	20221013	968/FSP 1976.03/22	VALID

Document Revision:

Date	Rev.	Description / Changes	Author
2022-11-11	1.0	Initial version based on Report-No.: 968/FSP 1976.03/22	Bu / A-FS&CS