

Virtio-win RHEL7.4 Vioinput Test Plan

1 Introduction

It's a qemu new supports input device, include virtio-keyboard-pci, virtio-mouse-pci, virtio-tablet-pci, virtio-input-host-pci.

2 Driver Mapping table

Provide a context diagram of the system, with explanations as applicable. The context of a system refers to the connections and relationships between the system and its environment.

Directory	Support OS
Install\\Wxp\\x86	WinXP, Win2003, Win7, Win2008 - all 32 bit
Install\\Wnet\\amd64	WinXP, Win2003, Win7, Win2008, Win2008 R2 - all 64 bit
Install\\Win8\\x86	Win8, Win8.1 - all 32 bit
Install\\Win8\\amd64	Win8, Win8.1, Win2012, Win2012R2 - all 64 bit
Install\\Win10\\x86	Win10 - all 32 bit
Install\\Win10\\amd64	Win10, Win2016 - all 64 bit

3 Configuration Matrix

Matrix	
virtio-1.0	on

4 Test Requirements

Function Test Requirements

Virtio-win Vioinput Function Test Requirement

WHQL Test Requirements

Virtio-win Vioinput Whql Test Requirement

5 Function Test Scenarios

*Installation test

RHEL7-77828 - [virtio-win][vioinput] install virtio virtio-input driver(in iso) on preinstalled guest

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RHEL7-77830 - [virtio-win][vioinput] install virtio virtio-input driver(in iso) during guest installation

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* Power management tests

RHEL7-77820 - [virtio-win][vioinput] Reboot guest with virtio-input driver enabled

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RHEL7-77821 - [virtio-win][vioinput] Shutdown guest with virtio-input driver enabled

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*vioinput test w/ hotplug/unplug

RHEL7-77871 - [virtio-win][vioinput] hot-unplug virtio keyboard device

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RHEL7-78234 - [virtio-win][vioinput] Reboot guest after hot-unplug virtio keyboard device

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RHEL7-78235 - [virtio-win][vioinput] Shutdown guest after hot-unplug virtio keyboard device

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RHEL7-77872 - [virtio-win][vioinput] hot-unplug virtio mouse device

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RHEL7-78236 - [virtio-win][vioinput] Reboot guest after hot-unplug virtio mouse device

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RHEL7-78237 - [virtio-win][vioinput] Shutdown guest after hot-unplug virtio mouse device

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RHEL7-77873 - [virtio-win][vioinput] hot-unplug virtio tablet device

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RHEL7-78238 - [virtio-win][vioinput] Reboot guest after hot-unplug virtio tablet device

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RHEL7-78239 - [virtio-win][vioinput] Shutdown guest after hot-unplug virtio tablet device

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RHEL7-77874 - [virtio-win][vioinput] hotplug virtio keyboard device

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RHEL7-78240 - [virtio-win][vioinput] Reboot guest after hotplug virtio keyboard device

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RHEL7-77875 - [virtio-win][vioinput] hotplug virtio mouse device

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RHEL7-78241 - [virtio-win][vioinput] Reboot guest after hotplug virtio mouse device

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RHEL7-77876 - [virtio-win][vioinput] hotplug virtio tablet device

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RHEL7-78242 - [virtio-win][vioinput] Reboot guest after hotplug virtio tablet device

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RHEL7-77877 - [virtio-win][vioinput] shutdown guest after hotplug virtio keyboard device

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RHEL7-77878 - [virtio-win][vioinput] shutdown guest after hotplug virtio mouse device

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RHEL7-77879 - [virtio-win][vioinput] shutdown guest after hotplug virtio tablet device

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RHEL7-78317 - [virtio-win][vioinput] Hot-unplug virtio-input-host-pci device

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RHEL7-79583 - [virtio-win][vioinput] Reboot guest after Hot-unplug virtio-input-host-pci device

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RHEL7-79584 - [virtio-win][vioinput] Shutdown guest after Hot-unplug virtio-input-host-pci device

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RHEL7-79634 - [virtio-win][vioinput] Hot-plug virtio-input-host-pci(passthrough) device

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RHEL7-79635 - [virtio-win][vioinput] Reboot guest after hot-plug virtio-input-host-pci device

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RHEL7-79636 - [virtio-win][vioinput] Shutdown guest after hot-plug virtio-input-host-pci device

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RHEL7-78203 - [virtio-win][vioinput] hotplug/hot-unplug virtio keyboard device in a loop

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RHEL7-78204 - [virtio-win][vioinput] hotplug/hot-unplug virtio mouse device in a loop

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RHEL7-78205 - [virtio-win][vioinput] hotplug/hot-unplug virtio tablet device in a loop

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*vioinput test w/ migration

RHEL7-77853 - [virtio-win][vioinput] Migration guest when vioinput driver enabled

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RHEL7-79585 - [virtio-win][vioinput] Migration guest after hot-unplug virtio keyboard device

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RHEL7-79586 - [virtio-win][vioinput] Migration guest after hot-unplug virtio mouse device

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RHEL7-79587 - [virtio-win][vioinput] Migration guest after hot-unplug virtio tablet device

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RHEL7-79588 - [virtio-win][vioinput] Migration guest after hotplug virtio keyboard device

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RHEL7-79589 - [virtio-win][vioinput] Migration guest after hotplug virtio mouse device

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RHEL7-79590 - [virtio-win][vioinput] migration guest after hotplug virtio tablet device

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*Packaging and signature tests

RHEL7-75458 - [virtio-win][vioinput] upgrade/downgrade virtio-input driver(pls run this

case at last)

[virtio-win][vioinput] upgrade/downgrade virtio-input driver(pls run this case at last) [ Draft]

RHEL7-75463 - [virtio-win][vioinput] Install/uninstall virtio-input driver

[ Draft]

RHEL7-75464 - [virtio-win][vioinput] Use signtool.exe to check whether the driver is digital signed

[ Draft]

RHEL7-75465 - [virtio-win][vioinput] Use "sigverif" Utility to verifying driver safety

[ Draft]

RHEL7-75466 - [virtio-win][vioinput] Check the driver version for vioinput.inf vioinput.sys

[ Draft]

*Basic Functional test

RHEL7-77817 - [virtio-win][vioinput] virtio-keyboard-pci basic functional test

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RHEL7-77818 - [virtio-win][vioinput] virtio-mouse-pci basic function test

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RHEL7-77819 - [virtio-win][vioinput] virtio-tablet-pci basic functional test

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RHEL7-77852 - [virtio-win][virtio-input] Passthrough with virtio-input-host-pci

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