

18.04 Client Certification Tests

Name	Certification status	Description
<b>Audio tests</b>		
after-suspend-manual-audio/1_playback_displayport_PRODUCT	blocker	PURPOSE: DisplayPort audio interface verification STEPS: 1. Plug an external DisplayPort device with sound (Use only one HDMI/DisplayPort/Thunderbolt interface at a time for this test) 2. Commence the test VERIFICATION: Did you hear the sound from the DisplayPort device?
after-suspend-manual-audio/1_playback_hdmi_PRODUCT	blocker	PURPOSE: HDMI audio interface verification STEPS: 1. Plug an external HDMI device with sound (Use only one HDMI/DisplayPort/Thunderbolt interface at a time for this test) 2. Commence the test VERIFICATION: Did you hear the sound from the HDMI device?
after-suspend-manual-audio/1_playback_thunderbolt3_PRODUCT	non-blocker	PURPOSE: Thunderbolt audio interface verification STEPS: 1. Plug an external Thunderbolt device with sound (Use only one HDMI/DisplayPort/Thunderbolt interface at a time for this test) 2. Commence the test VERIFICATION: Did you hear the sound from the Thunderbolt device?
after-suspend-manual-audio/1_playback_thunderbolt_PRODUCT	blocker	PURPOSE: Thunderbolt audio interface verification STEPS: 1. Plug an external Thunderbolt device with sound (Use only one HDMI/DisplayPort/Thunderbolt interface at a time for this test) 2. Commence the test VERIFICATION: Did you hear the sound from the Thunderbolt device?
after-suspend-manual-audio/1_playback_type-c_displayport_PRODUCT	blocker	PURPOSE: DisplayPort audio via USB Type-C port interface verification STEPS: 1. Plug an external DisplayPort device with sound on a USB Type-C port using a "USB Type-C to DisplayPort" adapter (Use only one HDMI/DisplayPort/Thunderbolt interface at a time for this test) 2. Commence the test VERIFICATION: Did you hear the sound from the DisplayPort device?
audio/1_playback_displayport_PRODUCT	blocker	PURPOSE: DisplayPort audio interface verification STEPS: 1. Plug an external DisplayPort device with sound (Use only one HDMI/DisplayPort/Thunderbolt interface at a time for this test) 2. Commence the test VERIFICATION: Did you hear the sound from the DisplayPort device?
audio/1_playback_hdmi_PRODUCT	blocker	PURPOSE: HDMI audio interface verification STEPS: 1. Plug an external HDMI device with sound (Use only one HDMI/DisplayPort/Thunderbolt interface at a time for this test) 2. Commence the test VERIFICATION: Did you hear the sound from the HDMI device?
audio/1_playback_thunderbolt3_PRODUCT	non-blocker	PURPOSE: Thunderbolt audio interface verification STEPS: 1. Plug an external Thunderbolt device with sound (Use only one HDMI/DisplayPort/Thunderbolt interface at a time for this test) 2. Commence the test VERIFICATION: Did you hear the sound from the Thunderbolt device?
audio/1_playback_thunderbolt_PRODUCT	blocker	PURPOSE: Thunderbolt audio interface verification STEPS: 1. Plug an external Thunderbolt device with sound (Use only one HDMI/DisplayPort/Thunderbolt interface at a time for this test) 2. Commence the test VERIFICATION: Did you hear the sound from the Thunderbolt device?
audio/1_playback_type-c_displayport_PRODUCT	blocker	PURPOSE: DisplayPort audio via USB Type-C port interface verification STEPS: 1. Plug an external DisplayPort device with sound on a USB Type-C port using a "USB Type-C to DisplayPort" adapter (Use only one HDMI/DisplayPort/Thunderbolt interface at a time for this test) 2. Commence the test VERIFICATION: Did you hear the sound from the DisplayPort device?

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Name	Certification status	Description
audio/2_playback_displayport_PRODUCT	blocker	<b>PURPOSE:</b> DisplayPort audio interface verification <b>STEPS:</b> 1. Plug an external DisplayPort device with sound (Use only one HDMI/DisplayPort/Thunderbolt interface at a time for this test) 2. Commence the test <b>VERIFICATION:</b> Did you hear the sound from the DisplayPort device?
audio/2_playback_hdmi_PRODUCT	blocker	<b>PURPOSE:</b> HDMI audio interface verification <b>STEPS:</b> 1. Plug an external HDMI device with sound (Use only one HDMI/DisplayPort/Thunderbolt interface at a time for this test) 2. Commence the test <b>VERIFICATION:</b> Did you hear the sound from the HDMI device?
audio/2_playback_thunderbolt3_PRODUCT	non-blocker	<b>PURPOSE:</b> Thunderbolt audio interface verification <b>STEPS:</b> 1. Plug an external Thunderbolt device with sound (Use only one HDMI/DisplayPort/Thunderbolt interface at a time for this test) 2. Commence the test <b>VERIFICATION:</b> Did you hear the sound from the Thunderbolt device?
audio/2_playback_thunderbolt_PRODUCT	blocker	<b>PURPOSE:</b> Thunderbolt audio interface verification <b>STEPS:</b> 1. Plug an external Thunderbolt device with sound (Use only one HDMI/DisplayPort/Thunderbolt interface at a time for this test) 2. Commence the test <b>VERIFICATION:</b> Did you hear the sound from the Thunderbolt device?
audio/2_playback_type-c_displayport_PRODUCT	blocker	<b>PURPOSE:</b> DisplayPort audio via USB Type-C port interface verification <b>STEPS:</b> 1. Plug an external DisplayPort device with sound on a USB Type-C port using a "USB Type-C to DisplayPort" adapter (Use only one HDMI/DisplayPort/Thunderbolt interface at a time for this test) 2. Commence the test <b>VERIFICATION:</b> Did you hear the sound from the DisplayPort device?
audio/alsa_info_collect		Collect audio-related system information. This data can be used to simulate this computer's audio subsystem and perform more detailed tests under a controlled environment.
audio/alsa_record_playback_external	blocker	<b>PURPOSE:</b> This test will check that recording sound using an external microphone works correctly <b>STEPS:</b> 1. Connect a microphone to your microphone port 2. Click "Test", then speak into the external microphone 3. After a few seconds, your speech will be played back to you <b>VERIFICATION:</b> Did you hear your speech played back?
audio/alsa_record_playback_internal	blocker	<b>PURPOSE:</b> This test will check that recording sound using the onboard microphone works correctly <b>STEPS:</b> 1. Disconnect any external microphones that you have plugged in 2. Click "Test", then speak into your internal microphone 3. After a few seconds, your speech will be played back to you. <b>VERIFICATION:</b> Did you hear your speech played back?
audio/channels		<b>PURPOSE:</b> Check that the various audio channels are working properly <b>STEPS:</b> 1. Commence the test <b>VERIFICATION:</b> You should clearly hear a voice from the different audio channels
audio/external-linein		<b>PURPOSE:</b> Check that external line in connection works correctly <b>STEPS:</b> 1. Use a cable to connect the line in port to an external line out source. 2. Open system sound preferences, 'Input' tab, select 'Line-in' on the connector list. Commence the test 3. After a few seconds, your recording will be played back to you. <b>VERIFICATION:</b> Did you hear your recording?

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Name	Certification status	Description
audio/external-lineout		<p><b>PURPOSE:</b> Check that external line out connection works correctly</p> <p><b>STEPS:</b></p> <ol style="list-style-type: none"> <li>1. Insert cable to speakers (with built-in amplifiers) on the line out port</li> <li>2. Open system sound preferences, 'Output' tab, select 'Line-out' on the connector list.</li> </ol> <p>Commence the test</p> <ol style="list-style-type: none"> <li>3. On the system sound preferences, select 'Internal Audio' on the device list and click 'Test Speakers' to check left and right channel</li> </ol> <p><b>VERIFICATION:</b></p> <ol style="list-style-type: none"> <li>1. Do you hear a sound in the speakers? The internal speakers should *not* be muted automatically</li> <li>2. Do you hear the sound coming out on the corresponding channel?</li> </ol>
audio/list_devices		Test to detect audio devices
audio/microphone-plug-detection	blocker	<p><b>PURPOSE:</b> Check that system detects a microphone being plugged in</p> <p><b>STEPS:</b></p> <ol style="list-style-type: none"> <li>1. Prepare a microphone with a standard 3.5mm jack</li> <li>2. Locate the microphone jack on the device under test. Keep in mind that it may be shared with the headphone jack.</li> <li>3. Run the test (you have 30 seconds from now on)</li> <li>4. Plug the microphone into the appropriate jack</li> <li>5. Unplug the device for subsequent tests.</li> </ol> <p><b>VERIFICATION:</b> Verification is automatic, no action is required. The test times out after 30 seconds (and fails in that case).</p>
audio/playback_auto	blocker	<p><b>PURPOSE:</b> This test will check that internal speakers work correctly</p> <p><b>STEPS:</b></p> <ol style="list-style-type: none"> <li>1. Make sure that no external speakers or headphones are connected When testing a desktop, you can skip this test if there is no internal speaker, we will test the external output later</li> <li>2. Commence the test to play a brief tone on your audio device</li> </ol> <p><b>VERIFICATION:</b> Did you hear a tone?</p>
audio/playback_headphones	blocker	<p><b>PURPOSE:</b> This test will check that headphones connector works correctly</p> <p><b>STEPS:</b></p> <ol style="list-style-type: none"> <li>1. Connect a pair of headphones to your audio device</li> <li>2. Commence the test to play a sound to your audio device</li> </ol> <p><b>VERIFICATION:</b> Did you hear a sound through the headphones and did the sound play without any distortion, clicks or other strange noises from your headphones?</p>
audio/speaker-headphone-plug-detection	blocker	<p><b>PURPOSE:</b> Check that system detects speakers or headphones being plugged in</p> <p><b>STEPS:</b></p> <ol style="list-style-type: none"> <li>1. Prepare a pair of headphones or speakers with a standard 3.5mm jack</li> <li>2. Locate the speaker / headphone jack on the device under test</li> <li>3. Run the test (you have 30 seconds from now on)</li> <li>4. Plug headphones or speakers into the appropriate jack</li> <li>5. Unplug the device for subsequent tests.</li> </ol> <p><b>VERIFICATION:</b> Verification is automatic, no action is required. The test times out after 30 seconds (and fails in that case).</p>

### Benchmarks tests

benchmarks/disk/hdparm-cache-read_NAME		This test runs hdparm timing of cache reads as a benchmark for NAME
benchmarks/disk/hdparm-read_NAME		This test runs hdparm timing of device reads as a benchmark for NAME

### Bluetooth tests

after-suspend-manual-bluetooth4/beacon_eddystone_url_INTERFACE	blocker	Test system can get beacon EddyStone URL advertisements on the INTERFACE adapter after suspend (S3)
bluetooth/HID		<p><b>PURPOSE:</b> This test will check that you can use a BlueTooth HID device</p> <p><b>STEPS:</b></p> <ol style="list-style-type: none"> <li>1. Enable either a BT mouse or keyboard</li> <li>2. Click on the bluetooth icon in the menu bar</li> <li>3. Select 'Setup new device'</li> <li>4. Look for the device in the list and select it</li> <li>5. For mice, perform actions such as moving the pointer, right and left button clicks and double clicks</li> <li>6. For keyboards, commence the test to launch a small tool. Enter some text into the tool and close it.</li> </ol> <p><b>VERIFICATION:</b> Did the device work as expected?</p>

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Name	Certification status	Description
bluetooth/audio-a2dp	non-blocker	<p><b>PURPOSE:</b> This test will check the High Fidelity Playback (A2DP) capability of your Bluetooth device, to see if you can hear audio from it.</p> <p><b>STEPS:</b> 1. Enable and pair the bluetooth headset 2. Click "Test" to play a brief tone on your Bluetooth device, if it failed to set the Mode to A2DP, please select the device and change it manually in the "Sound Settings"</p> <p><b>VERIFICATION:</b> Did you hear the tone?</p>
bluetooth/detect-output	blocker	Automated test to store bluetooth device information in checkbox report
bluetooth4/HOGP-keyboard	blocker	<p><b>PURPOSE:</b> This test will check that you can use a HID Over GATT Profile (HOGP) with your Bluetooth Smart keyboard.</p> <p><b>STEPS:</b> 1. Enable a Bluetooth Smart keyboard, and put it into pairing mode. 2. Commence the test to do the auto-pairing, you will be asked to select targeting keyboard from the list. 3. After it's paired and connected, enter some text with your keyboard and close the small input test tool.</p> <p><b>VERIFICATION:</b> Did the Bluetooth Smart keyboard work as expected?</p>
bluetooth4/HOGP-mouse	blocker	<p><b>PURPOSE:</b> This test will check that you can use a HID Over GATT Profile (HOGP) with your Bluetooth Smart mouse.</p> <p><b>STEPS:</b> 1. Enable a Bluetooth smart mouse, and put it into pairing mode. 2. Commence the test to do the auto-pairing, you will be asked to select targeting mouse from the list. 3. After it's paired and connected, perform actions such as moving the pointer, right and left button clicks and double clicks.</p> <p><b>VERIFICATION:</b> Did the Bluetooth Smart mouse work as expected?</p>
bluetooth4/beacon_eddystone_url_INTERFACE	blocker	Test system can get beacon EddyStone URL advertisements on the INTERFACE adapter

### Camera tests

camera/detect	blocker	This Automated test attempts to detect a camera.
camera/display_NAME	blocker	<p><b>PURPOSE:</b> This test will check that the PRODUCT camera works</p> <p><b>STEPS:</b> 1. Click on Test to display a video capture from the camera for ten seconds.</p> <p><b>VERIFICATION:</b> Did you see the video capture?</p>
camera/led_NAME		<p><b>PURPOSE:</b> This test will check that the PRODUCT camera LED works</p> <p><b>STEPS:</b> 1. Select Test to activate camera 2. Camera LED should light for a few seconds</p> <p><b>VERIFICATION:</b> Did the camera LED light?</p>
camera/multiple-resolution-images_NAME	blocker	Takes multiple pictures based on the resolutions supported by the camera and validates their size and that they are of a valid format.
camera/still_NAME	blocker	<p><b>PURPOSE:</b> This test will check that the PRODUCT works</p> <p><b>STEPS:</b> 1. Click on Test to display a still image from the camera for ten seconds.</p> <p><b>VERIFICATION:</b> Did you see the image?</p>

### CPU tests

cpu/clocktest		Runs a test for clock jitter on SMP machines.
cpu/maxfreq_test	blocker	Use the Firmware Test Suite (fwts cpufreq) to ensure that the CPU can run at its maximum frequency.
cpu/offlining_test	blocker	Attempts to offline each core in a multicore system.
cpu/scaling_test	blocker	Use Firmware Test Suite (fwts cpufreq) to test the scaling capabilities of the CPU.
cpu/topology	blocker	Parses information about CPU topology provided by proc and sysfs and checks that they are consistent.

### Disk tests

## 18.04 Client Certification Tests

Name	Certification status	Description
after-suspend-manual-thunderbolt/daisy-chain	blocker	<p><b>PURPOSE:</b> This test will check if your system can support daisy-chaining of a storage and a monitor over Thunderbolt port</p> <p><b>STEPS:</b></p> <ol style="list-style-type: none"> <li>1. Connect your Thunderbolt monitor to your systems</li> <li>2. Connect and mount your Thunderbolt HDD to another Thunderbolt port of the monitor (you can do this with HDD first as well)</li> <li>3. Click 'Test' to perform the storage test on the Thunderbolt HDD</li> </ol> <p><b>VERIFICATION:</b></p> <ol style="list-style-type: none"> <li>1. The verification for storage is automated, please select the result combine with the result for the display.</li> <li>2. Was the desktop displayed correctly on the Thunderbolt-connected screen?</li> </ol>
after-suspend-manual-thunderbolt3/daisy-chain	non-blocker	<p><b>PURPOSE:</b> This test will check if your system can support daisy-chaining of a storage and a monitor over Thunderbolt 3 port</p> <p><b>STEPS:</b></p> <ol style="list-style-type: none"> <li>1. Connect your Thunderbolt monitor to your systems</li> <li>2. Connect and mount your Thunderbolt HDD to another Thunderbolt 3 port of the monitor (you can do this with HDD first as well)</li> <li>3. Click 'Test' to perform the storage test on the Thunderbolt HDD</li> </ol> <p><b>VERIFICATION:</b></p> <ol style="list-style-type: none"> <li>1. The verification for storage is automated, please select the result combine with the result for the display.</li> <li>2. Was the desktop displayed correctly on the Thunderbolt-connected screen?</li> </ol>
disk/apste_support_on_NAME		Check support for Autonomous Power State Transition on NAME
disk/detect	blocker	Uses lsblk to gather information about each disk detected on the system under test.
disk/hdd-parking	non-blocker	<p><b>PURPOSE:</b> This test checks that a systems drive protection mechanism works properly.</p> <p><b>STEPS:</b></p> <ol style="list-style-type: none"> <li>1. Click on Test</li> <li>2. Move the system under test around, ensuring it is raised and lowered at some point.</li> </ol> <p><b>VERIFICATION:</b> The verification of this test is automated. Do not change the automatically selected result.</p>
disk/read_performance_NAME	blocker	Verify that disk storage performs at or above baseline performance
disk/stats_NAME		<p>This test checks disk stats, generates some activity and rechecks stats to verify they've changed. It also verifies that disks appear in the various files they're supposed to.</p> <p>This test will inspect the following disk:</p> <p style="margin-left: 20px;">product name: PRODUCT sysfs path: PATH device node path: /dev/NAME</p>
disk/storage_device_NAME	blocker	Take the path of the storage device and test is it a block device
thunderbolt/daisy-chain	blocker	<p><b>PURPOSE:</b> This test will check if your system can support daisy-chaining of a storage and a monitor over Thunderbolt port</p> <p><b>STEPS:</b></p> <ol style="list-style-type: none"> <li>1. Connect your Thunderbolt monitor to your systems</li> <li>2. Connect and mount your Thunderbolt HDD to another Thunderbolt port of the monitor (you can do this with HDD first as well)</li> <li>3. Click 'Test' to perform the storage test on the Thunderbolt HDD</li> </ol> <p><b>VERIFICATION:</b></p> <ol style="list-style-type: none"> <li>1. The verification for storage is automated, please select the result combine with the result for the display.</li> <li>2. Was the desktop displayed correctly on the Thunderbolt-connected screen?</li> </ol>
thunderbolt/insert	non-blocker	<p><b>PURPOSE:</b> This test will check if the insertion of a Thunderbolt HDD could be detected</p> <p><b>STEPS:</b></p> <ol style="list-style-type: none"> <li>1. Click 'Test' to begin the test. This test will timeout and fail if the insertion has not been detected within 40 seconds.</li> <li>2. Plug a Thunderbolt HDD into an available Thunderbolt port, if it's not mounted automatically, please click the HDD icon to mount it.</li> </ol> <p><b>VERIFICATION:</b> The verification of this test is automated. Do not change the automatically selected result</p>

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Name	Certification status	Description
thunderbolt/remove	non-blocker	<p><b>PURPOSE:</b> This test will check the system can detect the removal of a Thunderbolt HDD</p> <p><b>STEPS:</b> 1. Click 'Test' to begin the test. This test will timeout and fail if the removal has not been detected within 20 seconds. 2. Remove the previously attached Thunderbolt HDD from the Thunderbolt port.</p> <p><b>VERIFICATION:</b> The verification of this test is automated. Do not change the automatically selected result</p>
thunderbolt/storage-test	non-blocker	This is an automated test which performs read/write operations on an attached Thunderbolt HDD
thunderbolt3/daisy-chain	non-blocker	<p><b>PURPOSE:</b> This test will check if your system can support daisy-chaining of a storage and a monitor over Thunderbolt 3 port</p> <p><b>STEPS:</b> 1. Connect your Thunderbolt monitor to your systems 2. Connect and mount your Thunderbolt HDD to another Thunderbolt 3 port of the monitor (you can do this with HDD first as well) 3. Click 'Test' to perform the storage test on the Thunderbolt HDD</p> <p><b>VERIFICATION:</b> 1. The verification for storage is automated, please select the result combine with the result for the display. 2. Was the desktop displayed correctly on the Thunderbolt-connected screen?</p>
thunderbolt3/insert	blocker	<p><b>PURPOSE:</b> This test will check if the insertion of a Thunderbolt HDD could be detected</p> <p><b>STEPS:</b> 1. Click 'Test' to begin the test. This test will timeout and fail if the insertion has not been detected within 40 seconds. 2. Plug a Thunderbolt HDD into an available Thunderbolt 3 port, if it's not mounted automatically, please click the HDD icon to mount it.</p> <p><b>VERIFICATION:</b> The verification of this test is automated. Do not change the automatically selected result</p>
thunderbolt3/remove	blocker	<p><b>PURPOSE:</b> This test will check the system can detect the removal of a Thunderbolt HDD</p> <p><b>STEPS:</b> 1. Click 'Test' to begin the test. This test will timeout and fail if the removal has not been detected within 20 seconds. 2. Remove the previously attached Thunderbolt HDD from the Thunderbolt port.</p> <p><b>VERIFICATION:</b> The verification of this test is automated. Do not change the automatically selected result</p>
thunderbolt3/storage-test	blocker	This is an automated test which performs read/write operations on an attached Thunderbolt HDD

### eSATA disk tests

esata/insert	blocker	<p><b>PURPOSE:</b> This test will check the system can detect the insertion of an eSATA HDD</p> <p><b>STEPS:</b> 1. Click 'Test' to begin the test. This test will timeout and fail if the insertion has not been detected within 20 seconds. 2. Plug an eSATA HDD into an available eSATA port.</p> <p><b>VERIFICATION:</b> The verification of this test is automated. Do not change the automatically selected result</p>
esata/remove	blocker	<p><b>PURPOSE:</b> This test will check the system can detect the removal of an eSATA HDD</p> <p><b>STEPS:</b> 1. Click 'Test' to begin the test. This test will timeout and fail if the removal has not been detected within 20 seconds. 2. Remove the previously attached eSATA HDD from the eSATA port.</p> <p><b>VERIFICATION:</b> The verification of this test is automated. Do not change the automatically selected result</p>
esata/storage-test	blocker	This is an automated test which performs read/write operations on an attached eSATA HDD

### Ethernet Device tests

ethernet/detect	blocker	Test to detect and return information about available network controllers on the system under test.
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## 18.04 Client Certification Tests

Name	Certification status	Description
ethernet/hotplug-1-end-cycle	blocker	ethernet/hotplug-1-end-cycle
ethernet/hotplug-INTERFACE-check-disconnected	blocker	<p>PURPOSE: Check that ethernet port INTERFACE is detected as being in the correct state to begin a hotplug connection test.</p> <p>STEPS: 1. Ensure there is no ethernet cable attached to port INTERFACE. 2. Begin test.</p>
ethernet/hotplug-INTERFACE-connect	blocker	<p>PURPOSE: Check ethernet port INTERFACE connects when cable inserted. Assumes an IP address will be assigned by DHCP. Connection asserted by pinging the network defined gateway.</p> <p>STEPS: 1. Begin the test. 2. Insert the ethernet cable in to ethernet port INTERFACE. 3. This test will timeout and fail if the insertion and connection establishment has not been detected (10 second timeout for each check).</p>
ethernet/hotplug-INTERFACE-disconnect	blocker	<p>PURPOSE: Check that when cable removed from ethernet port INTERFACE the system detects this correctly.</p> <p>STEPS: 1. Depends on previous hotplug connection test passing. We will now test cable disconnection. 2. Begin the test. 3. Remove the ethernet cable from ethernet port INTERFACE. 4. This test will timeout and fail if the removal has not been detected and interface marked as down (10 second timeout for each check).</p>

### Firewire disk tests

firewire/insert	blocker	<p>PURPOSE: This test will check the system can detect the insertion of a FireWire HDD</p> <p>STEPS: 1. Click 'Test' to begin the test. This test will timeout and fail if the insertion has not been detected within 20 seconds. 2. Plug a FireWire HDD into an available FireWire port.</p> <p>VERIFICATION: The verification of this test is automated. Do not change the automatically selected result</p>
firewire/remove	blocker	<p>PURPOSE: This test will check the system can detect the removal of a FireWire HDD</p> <p>STEPS: 1. Click 'Test' to begin the test. This test will timeout and fail if the removal has not been detected within 20 seconds. 2. Remove the previously attached FireWire HDD from the FireWire port.</p> <p>VERIFICATION: The verification of this test is automated. Do not change the automatically selected result</p>
firewire/storage-test	blocker	This is an automated test which performs read/write operations on an attached FireWire HDD

### Firmware tests

firmware/fwts_desktop_diagnosis		Run Firmware Test Suite (fwts) QA-concerned desktop-specific diagnosis tests.
firmware/no ACPI_REV_interface	blocker	This Automated test checks misuse of the _REV interface in ACPI DSDT and SSDT tables

### Graphics tests

graphics/1_compiz_check_PRODUCT	blocker	Check that VENDOR PRODUCT hardware is able to run compiz
graphics/1_cycle_resolution_PRODUCT	non-blocker	<p>PURPOSE: This test cycles through the detected video modes for the VENDOR PRODUCT graphics card</p> <p>STEPS: 1. Click "Test" to start cycling through the video modes</p> <p>VERIFICATION: Did the screen appear to be working for each mode?</p>
graphics/1_driver_version_PRODUCT	blocker	Parses Xorg.0.log and discovers the running X driver and version for the VENDOR PRODUCT graphics card

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Name	Certification status	Description
graphics/1_glxgears_PRODUCT	blocker	<b>PURPOSE:</b> This test tests the basic 3D capabilities of your VENDOR PRODUCT video card <b>STEPS:</b> 1. Click "Test" to execute an OpenGL demo. Press ESC at any time to close. 2. Verify that the animation is not jerky or slow. <b>VERIFICATION:</b> 1. Did the 3d animation appear? 2. Was the animation free from slowness/jerkiness?
graphics/1_glxgears_fullscreen_PRODUCT	blocker	<b>PURPOSE:</b> This test tests the basic fullscreen 3D capabilities of your VENDOR PRODUCT video card <b>STEPS:</b> 1. Click "Test" to execute an OpenGL demo. Press ESC at any time to close. 2. Verify that the animation is not jerky or slow. <b>VERIFICATION:</b> 1. Did the 3d animation appear? 2. Was the animation free from slowness/jerkiness?
graphics/1_maximum_resolution_PRODUCT	blocker	<b>PURPOSE:</b> This test will verify the maximum supported resolution on the VENDOR PRODUCT graphics card. <b>STEPS:</b> 1. Select the VENDOR PRODUCT graphics card (a reboot may be necessary) 2. Consult the system's specifications and locate the screen's maximum supported resolution. 3. Click on Test to display the maximum resolution that can be used by Ubuntu on the current display. <b>VERIFICATION:</b> Is this the maximum resolution for the display connected to the VENDOR PRODUCT graphics card?
graphics/1_minimum_resolution_PRODUCT		Ensure the current resolution meets or exceeds the recommended minimum resolution (800x600) on the VENDOR PRODUCT graphics card. See here for details: <a href="https://help.ubuntu.com/community/Installation/SystemRequirements">https://help.ubuntu.com/community/Installation/SystemRequirements</a>
graphics/1_rotation_PRODUCT	blocker	<b>PURPOSE:</b> This test will test display rotation on the VENDOR PRODUCT graphics card <b>STEPS:</b> 1. Click "Test" to test display rotation. The display will be rotated every 4 seconds. 2. Check if all rotations (normal right inverted left) took place without permanent screen corruption <b>VERIFICATION:</b> Did the display rotation take place without permanent screen corruption?
graphics/1_switch_card_PRODUCT_xenial	blocker	Test GPU switching for VENDOR PRODUCT
graphics/1_video_PRODUCT	blocker	<b>PURPOSE:</b> This test will test the default display with a sample video <b>STEPS:</b> 1. Click "Test" to display a video test. <b>VERIFICATION:</b> Do you see color bars and static?
graphics/2_compiz_check_PRODUCT	blocker	Check that VENDOR PRODUCT hardware is able to run compiz
graphics/2_cycle_resolution_PRODUCT	non-blocker	<b>PURPOSE:</b> This test cycles through the detected video modes for the VENDOR PRODUCT graphics card <b>STEPS:</b> 1. Click "Test" to start cycling through the video modes <b>VERIFICATION:</b> Did the screen appear to be working for each mode?
graphics/2_driver_version_PRODUCT	blocker	Parses Xorg.0.log and discovers the running X driver and version for the VENDOR PRODUCT graphics card
graphics/2_glxgears_PRODUCT	blocker	<b>PURPOSE:</b> This test tests the basic 3D capabilities of your VENDOR PRODUCT video card <b>STEPS:</b> 1. Click "Test" to execute an OpenGL demo. Press ESC at any time to close. 2. Verify that the animation is not jerky or slow. <b>VERIFICATION:</b> 1. Did the 3d animation appear? 2. Was the animation free from slowness/jerkiness?
graphics/2_glxgears_fullscreen_PRODUCT	blocker	<b>PURPOSE:</b> This test tests the basic fullscreen 3D capabilities of your VENDOR PRODUCT video card <b>STEPS:</b> 1. Click "Test" to execute an OpenGL demo. Press ESC at any time to close. 2. Verify that the animation is not jerky or slow. <b>VERIFICATION:</b> 1. Did the 3d animation appear? 2. Was the animation free from slowness/jerkiness?

## 18.04 Client Certification Tests

Name	Certification status	Description
graphics/2_maximum_resolution_PRODUCT	blocker	<p><b>PURPOSE:</b> This test will verify the maximum supported resolution on the VENDOR PRODUCT graphics card.</p> <p><b>STEPS:</b></p> <ol style="list-style-type: none"> <li>1. Select the VENDOR PRODUCT graphics card (a reboot may be necessary)</li> <li>2. Consult the system's specifications and locate the screen's maximum supported resolution.</li> <li>3. Click on Test to display the maximum resolution that can be used by Ubuntu on the current display.</li> </ol> <p><b>VERIFICATION:</b> Is this the maximum resolution for the display connected to the VENDOR PRODUCT graphics card?</p>
graphics/2_minimum_resolution_PRODUCT		<p>Ensure the current resolution meets or exceeds the recommended minimum resolution (800x600) on the VENDOR PRODUCT graphics card. See here for details: <a href="https://help.ubuntu.com/community/Installation/SystemRequirements">https://help.ubuntu.com/community/Installation/SystemRequirements</a></p>
graphics/2_rotation_PRODUCT	blocker	<p><b>PURPOSE:</b> This test will test display rotation on the VENDOR PRODUCT graphics card</p> <p><b>STEPS:</b></p> <ol style="list-style-type: none"> <li>1. Click "Test" to test display rotation. The display will be rotated every 4 seconds.</li> <li>2. Check if all rotations (normal right inverted left) took place without permanent screen corruption</li> </ol> <p><b>VERIFICATION:</b> Did the display rotation take place without permanent screen corruption?</p>
graphics/2_switch_card_PRODUCT_xenial	blocker	Test GPU switching for VENDOR PRODUCT
graphics/2_valid_opengl_renderer_PRODUCT	blocker	Check the OpenGL renderer (AMD GPU and DRI_PRIME=1)
graphics/2_video_PRODUCT	blocker	<p><b>PURPOSE:</b> This test will test the default display with a sample video</p> <p><b>STEPS:</b></p> <ol style="list-style-type: none"> <li>1. Click "Test" to display a video test.</li> </ol> <p><b>VERIFICATION:</b> Do you see color bars and static?</p>
graphics/VESA_drivers_not_in_use	blocker	Check that VESA drivers are not in use
graphics/xorg-failsafe	blocker	Test that the X is not running in failsafe mode.
graphics/xorg-process	blocker	Test that the X process is running.
graphics/xorg-version	blocker	Test to output the Xorg version

### Hibernation tests

power-management/1_hibernate_advanced_VENDOR_PRODUCT	non-blocker	<p><b>PURPOSE:</b> This test will check to make sure your system can successfully hibernate (if supported)</p> <p><b>STEPS:</b></p> <ol style="list-style-type: none"> <li>1. Click on Test</li> <li>2. The system will hibernate and should wake itself within 5 minutes</li> <li>3. If your system does not wake itself after 5 minutes, please press the power button to wake the system manually</li> <li>4. If the system fails to resume from hibernate, please restart System Testing and mark this test as Failed</li> </ol> <p><b>VERIFICATION:</b> Did the system successfully hibernate and did it work properly after waking up?</p>
power-management/2_hibernate_advanced_VENDOR_PRODUCT	non-blocker	<p><b>PURPOSE:</b> This test will check to make sure your system can successfully hibernate (if supported)</p> <p><b>STEPS:</b></p> <ol style="list-style-type: none"> <li>1. Click on Test</li> <li>2. The system will hibernate and should wake itself within 5 minutes</li> <li>3. If your system does not wake itself after 5 minutes, please press the power button to wake the system manually</li> <li>4. If the system fails to resume from hibernate, please restart System Testing and mark this test as Failed</li> </ol> <p><b>VERIFICATION:</b> Did the system successfully hibernate and did it work properly after waking up?</p>
power-management/hibernate_advanced		<p><b>PURPOSE:</b> This test will check to make sure your system can successfully hibernate (if supported)</p> <p><b>STEPS:</b></p> <ol style="list-style-type: none"> <li>1. Click on Test</li> <li>2. The system will hibernate and should wake itself within 5 minutes</li> <li>3. If your system does not wake itself after 5 minutes, please press the power button to wake the system manually</li> <li>4. If the system fails to resume from hibernate, please restart System Testing and mark this test as Failed</li> </ol> <p><b>VERIFICATION:</b> Did the system successfully hibernate and did it work properly after waking up?</p>

### Hotkey tests

## 18.04 Client Certification Tests

Name	Certification status	Description
after-suspend-manual-keys/battery-info	blocker	<p><b>PURPOSE:</b> This test will test the battery information key</p> <p><b>STEPS:</b> Skip this test if you do not have a Battery Button. 1. Click Test to begin 2. Press the Battery Info button (or combo like Fn+F3) 3. Close the Power Statistics tool if it opens</p> <p><b>VERIFICATION:</b> Did the Battery Info key work as expected?</p>
after-suspend-manual-keys/brightness	blocker	<p><b>PURPOSE:</b> This test will test the brightness key</p> <p><b>STEPS:</b> 1. Press the brightness buttons on the keyboard</p> <p><b>VERIFICATION:</b> Did the brightness change following to your key presses?</p>
after-suspend-manual-keys/keyboard-backlight	blocker	<p><b>PURPOSE:</b> Verify that the keyboard backlight toggle key works properly</p> <p><b>STEPS:</b> 1. Tap the keyboard backlight key 2. Confirm that the keyboard backlight was toggled to the opposite state 3. Tap the keyboard backlight key again 4. Confirm that the keyboard backlight was toggled to the opposite state</p> <p><b>VERIFICATION:</b> Did the keyboard backlight state change on each press?</p>
after-suspend-manual-keys/lock-screen	blocker	<p><b>PURPOSE:</b> This test will test the screen lock key</p> <p><b>STEPS:</b> 1. Commence the test. If there is no such key, please skip this test. 2. Press the lock screen button on the keyboard in 30 seconds. 3. If the screen is locked, move the mouse or press any key to activate the prompt. 4. Input the password to unlock the screen.</p> <p><b>VERIFICATION:</b> The verification of this test is automated. Do not change the automatically selected result.</p>
after-suspend-manual-keys/media-control	blocker	<p><b>PURPOSE:</b> This test will test the media keys of your keyboard</p> <p><b>STEPS:</b> Skip this test if your computer has no media keys. 1. Click test to open a window on which to test the media keys. 2. If all the keys work, the test will be marked as passed.</p> <p><b>VERIFICATION:</b> Do the keys work as expected?</p>
after-suspend-manual-keys/microphone-mute	blocker	<p><b>PURPOSE:</b> This test will test the mute key for your microphone</p> <p><b>STEPS:</b> 1. Click "Test" then speak: "Imagination is more important than knowledge" (or anything else) into your microphone. 2. While you are speaking, please press the mute key for the microphone to mute it and press it again to unmute. 3. After a few seconds, your speech will be played back to you. If the key works, your speech should be interrupted for a few seconds.</p> <p><b>VERIFICATION:</b> Does the microphone mute key work as expected?</p>
after-suspend-manual-keys/mute	blocker	<p><b>PURPOSE:</b> This test will test the mute key of your keyboard</p> <p><b>STEPS:</b> 1. Click test to open a window on which to test the mute key. 2. If the key works, the test will pass and the window will close.</p> <p><b>VERIFICATION:</b> Does the mute key work as expected?</p>
after-suspend-manual-keys/super	blocker	<p><b>PURPOSE:</b> This test will test the super key of your keyboard</p> <p><b>STEPS:</b> 1. Click test to open a window on which to test the super key. 2. If the key works, the test will pass and the window will close.</p> <p><b>VERIFICATION:</b> Does the super key work as expected?</p>
after-suspend-manual-keys/video-out	blocker	<p><b>PURPOSE:</b> Validate that the External Video hot key is working as expected</p> <p><b>STEPS:</b> 1. Plug in an external monitor 2. Press the display hot key to change the monitors configuration</p> <p><b>VERIFICATION:</b> Check that the video signal can be mirrored, extended, displayed on external or onboard only.</p>

## 18.04 Client Certification Tests

Name	Certification status	Description
after-suspend-manual-keys/volume	blocker	<p><b>PURPOSE:</b> This test will test the volume keys of your keyboard</p> <p><b>STEPS:</b> Skip this test if your computer has no volume keys. 1. Click test to open a window on which to test the volume keys. 2. If all the keys work, the test will be marked as passed.</p> <p><b>VERIFICATION:</b> Do the keys work as expected?</p>
after-suspend-manual-keys/wireless	blocker	<p><b>PURPOSE:</b> This test will test the wireless key</p> <p><b>STEPS:</b> 1. Press the wireless key on the keyboard 2. Check that the wifi LED turns off or changes color 3. Check that wireless is disabled 4. Press the same key again 5. Check that the wifi LED turns on or changes color 6. Check that wireless is enabled</p> <p><b>VERIFICATION:</b> Did the wireless turn off on the first press and on again on the second? (NOTE: the LED functionality will be reviewed in a following test. Please only consider the functionality of the wifi itself here.)</p>
keys/battery-info	blocker	<p><b>PURPOSE:</b> This test will test the battery information key</p> <p><b>STEPS:</b> Skip this test if you do not have a Battery Button. 1. Click Test to begin 2. Press the Battery Info button (or combo like Fn+F3) 3: Close the Power Statistics tool if it opens</p> <p><b>VERIFICATION:</b> Did the Battery Info key work as expected?</p>
keys/brightness	blocker	<p><b>PURPOSE:</b> This test will test the brightness key</p> <p><b>STEPS:</b> 1. Press the brightness buttons on the keyboard</p> <p><b>VERIFICATION:</b> Did the brightness change following to your key presses?</p>
keys/hibernate	non-blocker	<p><b>PURPOSE:</b> This test will test the hibernate key</p> <p><b>STEPS:</b> 1. Press the hibernate key on the keyboard 2. Check that the system hibernated correctly 3. Wake your system after hibernating by pressing the power button</p> <p><b>VERIFICATION:</b> Did the system go to hibernate after pressing the hibernate key?</p>
keys/keyboard-backlight	blocker	<p><b>PURPOSE:</b> Verify that the keyboard backlight toggle key works properly</p> <p><b>STEPS:</b> 1. Tap the keyboard backlight key 2. Confirm that the keyboard backlight was toggled to the opposite state 3. Tap the keyboard backlight key again 4. Confirm that the keyboard backlight was toggled to the opposite state</p> <p><b>VERIFICATION:</b> Did the keyboard backlight state change on each press?</p>
keys/lock-screen	blocker	<p><b>PURPOSE:</b> This test will test the screen lock key</p> <p><b>STEPS:</b> 1. Commence the test. If there is no such key, please skip this test. 2. Press the lock screen button on the keyboard in 30 seconds. 3. If the screen is locked, move the mouse or press any key to activate the prompt. 4. Input the password to unlock the screen.</p> <p><b>VERIFICATION:</b> The verification of this test is automated. Do not change the automatically selected result.</p>
keys/media-control	blocker	<p><b>PURPOSE:</b> This test will test the media keys of your keyboard</p> <p><b>STEPS:</b> Skip this test if your computer has no media keys. 1. Click test to open a window on which to test the media keys. 2. If all the keys work, the test will be marked as passed.</p> <p><b>VERIFICATION:</b> Do the keys work as expected?</p>

## 18.04 Client Certification Tests

Name	Certification status	Description
keys/microphone-mute	blocker	<p><b>PURPOSE:</b> This test will test the mute key for your microphone</p> <p><b>STEPS:</b> 1. Click "Test" then speak: "Imagination is more important than knowledge" (or anything else) into your microphone. 2. While you are speaking, please press the mute key for the microphone to mute it and press it again to unmute. 3. After a few seconds, your speech will be played back to you. If the key works, your speech should be interrupted for a few seconds.</p> <p><b>VERIFICATION:</b> Does the microphone mute key work as expected?</p>
keys/mute	blocker	<p><b>PURPOSE:</b> This test will test the mute key of your keyboard</p> <p><b>STEPS:</b> 1. Click test to open a window on which to test the mute key. 2. If the key works, the test will pass and the window will close.</p> <p><b>VERIFICATION:</b> Does the mute key work as expected?</p>
keys/sleep	blocker	<p><b>PURPOSE:</b> This test will test the sleep key</p> <p><b>STEPS:</b> 1. Press the sleep key on the keyboard 2. Wake your system up by pressing the power button</p> <p><b>VERIFICATION:</b> Did the system go to sleep after pressing the sleep key?</p>
keys/super	blocker	<p><b>PURPOSE:</b> This test will test the super key of your keyboard</p> <p><b>STEPS:</b> 1. Click test to open a window on which to test the super key. 2. If the key works, the test will pass and the window will close.</p> <p><b>VERIFICATION:</b> Does the super key work as expected?</p>
keys/video-out	blocker	<p><b>PURPOSE:</b> Validate that the External Video hot key is working as expected</p> <p><b>STEPS:</b> 1. Plug in an external monitor 2. Press the display hot key to change the monitors configuration</p> <p><b>VERIFICATION:</b> Check that the video signal can be mirrored, extended, displayed on external or onboard only.</p>
keys/volume	blocker	<p><b>PURPOSE:</b> This test will test the volume keys of your keyboard</p> <p><b>STEPS:</b> Skip this test if your computer has no volume keys. 1. Click test to open a window on which to test the volume keys. 2. If all the keys work, the test will be marked as passed.</p> <p><b>VERIFICATION:</b> Do the keys work as expected?</p>
keys/wireless	blocker	<p><b>PURPOSE:</b> This test will test the wireless key</p> <p><b>STEPS:</b> 1. Press the wireless key on the keyboard 2. Check that the wifi LED turns off or changes color 3. Check that wireless is disabled 4. Press the same key again 5. Check that the wifi LED turns on or changes color 6. Check that wireless is enabled</p> <p><b>VERIFICATION:</b> Did the wireless turn off on the first press and on again on the second? (NOTE: the LED functionality will be reviewed in a following test. Please only consider the functionality of the wifi itself here.)</p>

### Input Devices tests

input/accelerometer	non-blocker	<p><b>PURPOSE:</b> This test will test your accelerometer to see if it is detected and operational as a joystick device.</p> <p><b>STEPS:</b> 1. Click on Test 2. Tilt your hardware in the directions onscreen until the axis threshold is met.</p> <p><b>VERIFICATION:</b> Is your accelerometer properly detected? Can you use the device?</p>
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## 18.04 Client Certification Tests

Name	Certification status	Description
input/keyboard	blocker	<p><b>PURPOSE:</b> This test will test your keyboard</p> <p><b>STEPS:</b> 1. Click on Test 2. On the open text area, use your keyboard to type something</p> <p><b>VERIFICATION:</b> Is your keyboard working properly?</p>

### LED tests

led/battery-charged		<p><b>PURPOSE:</b> Validate that the battery LED properly displays charged status</p> <p><b>STEPS:</b> 1. Let system run on battery for a short time 2. Plug in AC 3. Let system run on AC</p> <p><b>VERIFICATION:</b> Does the orange battery LED shut off when system is fully charged?</p>
led/battery-charging		<p><b>PURPOSE:</b> Validate that the battery light shows charging status</p> <p><b>STEPS:</b> 1. Let system run on battery for a while 2. Plug in AC plug</p> <p><b>VERIFICATION:</b> Did the battery indicator LED turn orange?</p>
led/battery-low		<p><b>PURPOSE:</b> Validate that the battery LED indicated low power</p> <p><b>STEPS:</b> 1. Let system run on battery for several hours 2. Monitor battery LED carefully</p> <p><b>VERIFICATION:</b> Does the LED light orange when battery is low?</p>
led/caps-lock		<p><b>PURPOSE:</b> Block cap keys LED verification</p> <p><b>STEPS:</b> 1. Press "Block Cap Keys" to activate/deactivate cap keys blocking 2. Cap Keys LED should be switched on/off every time the key is pressed</p> <p><b>VERIFICATION:</b> Did the Cap Keys LED light as expected?</p>
led/power		<p><b>PURPOSE:</b> Check power led is on when system is powered on</p> <p><b>STEPS:</b> 1. Check power led when system is powered on</p> <p><b>VERIFICATION:</b> Power led is on when system is powered on</p>
led/power-blink-suspend		<p><b>PURPOSE:</b> Check power led is blinking when system is in suspend</p> <p><b>STEPS:</b> 1. Suspend the system 2. Check power led when system is in suspend</p> <p><b>VERIFICATION:</b> Power led is blinking when system is in suspend</p>
led/suspend		<p><b>PURPOSE:</b> Suspend LED verification.</p> <p><b>STEPS:</b> Skip this test if your system does not have a dedicated Suspend LED. 1. The Suspend LED should blink or change color while the system is suspended</p> <p><b>VERIFICATION:</b> Did the Suspend LED blink or change color while the system was suspended?</p>
led/touchpad		<p><b>PURPOSE:</b> Touchpad LED verification</p> <p><b>STEPS:</b> 1. Click on the touchpad button or press key combination to enable/disable touchpad button 2. Slide your finger on the touchpad</p> <p><b>VERIFICATION:</b> 1. Touchpad LED status should toggle everytime the button is clicked or the key combination is pressed 2. When the LED is on, the mouse pointer should move on touchpad usage 3. When the LED is off, the mouse pointer should not move on touchpad usage</p>

### Media Card tests

## 18.04 Client Certification Tests

Name	Certification status	Description
mediacard/sd-insert	blocker	<p><b>PURPOSE:</b> This test will check that the systems media card reader can detect the insertion of an UNLOCKED Secure Digital (SD) media card</p> <p><b>STEPS:</b> 1. Commence the test and then insert an UNLOCKED SD card into the reader. (Note: this test will time-out after 20 seconds.) 2. Do not remove the device after this test.</p> <p><b>VERIFICATION:</b> The verification of this test is automated. Do not change the automatically selected result.</p>
mediacard/sd-remove	blocker	<p><b>PURPOSE:</b> This test will check that the system correctly detects the removal of an SD card from the systems card reader.</p> <p><b>STEPS:</b> 1. Commence the test and then remove the SD card from the reader. (Note: this test will time-out after 20 seconds.)</p> <p><b>VERIFICATION:</b> The verification of this test is automated. Do not change the automatically selected result.</p>
mediacard/sd-storage	blocker	This test is automated and executes after the mediacard/sd-insert test is run. It tests reading and writing to the SD card.
mediacard/sdhc-insert	blocker	<p><b>PURPOSE:</b> This test will check that the systems media card reader can detect the insertion of a UNLOCKED Secure Digital High-Capacity (SDHC) media card</p> <p><b>STEPS:</b> 1. Commence the test and then insert an UNLOCKED SDHC card into the reader. (Note: this test will time-out after 20 seconds.) 2. Do not remove the device after this test.</p> <p><b>VERIFICATION:</b> The verification of this test is automated. Do not change the automatically selected result.</p>
mediacard/sdhc-remove	blocker	<p><b>PURPOSE:</b> This test will check that the system correctly detects the removal of an SDHC card from the systems card reader.</p> <p><b>STEPS:</b> 1. Commence the test and then remove the SDHC card from the reader. (Note: this test will time-out after 20 seconds.)</p> <p><b>VERIFICATION:</b> The verification of this test is automated. Do not change the automatically selected result.</p>
mediacard/sdhc-storage	blocker	This test is automated and executes after the mediacard/sdhc-insert test is run. It tests reading and writing to the SDHC card.

### Miscellaneous tests

miscellanea/chvt		<p><b>PURPOSE:</b> This test will check that the system can switch to a virtual terminal and back to X</p> <p><b>STEPS:</b> 1. Click "Test" to switch to another virtual terminal and then back to X</p> <p><b>VERIFICATION:</b> Did your screen change temporarily to a text console and then switch back to your current session?</p>
miscellanea/device_check		<p><b>PURPOSE:</b> Device check</p> <p><b>STEPS:</b> 1. Commence the test 2. Compare items on System Manifest to the devices known to udev</p> <p><b>VERIFICATION:</b> Do the devices reported by udev match the devices on the Manifest?</p>
miscellanea/dmitest_client		Sanity check of DMI system identification data (for desktops & laptops)
miscellanea/oops	blocker	Run Firmware Test Suite (fwts) oops tests.
miscellanea/submission-resources		A meta-job that verifies the data necessary for a complete result submission are present. Failure indicates that the results are incomplete and may be rejected.

### Mobile broadband tests

mobilebroadband/cdma_connection	non-blocker	Creates a mobile broadband connection for a CDMA based modem and checks the connection to ensure it's working.
mobilebroadband/gsm_connection	non-blocker	Creates a mobile broadband connection for a GSM based modem and checks the connection to ensure it's working.

## 18.04 Client Certification Tests

Name	Certification status	Description
<b>Monitor tests</b>		
after-suspend-manual-monitor/1_dim_brightness_PRODUCT	blocker	<p><b>PURPOSE:</b> This test will test changes to screen brightness</p> <p><b>STEPS:</b> 1. Click "Test" to try to dim the screen. 2. Check if the screen was dimmed approximately to half of the maximum brightness. 3. The screen will go back to the original brightness in 2 seconds.</p> <p><b>VERIFICATION:</b> Was your screen dimmed approximately to half of the maximum brightness?</p>
after-suspend-manual-monitor/1_displayport_PRODUCT	blocker	<p><b>PURPOSE:</b> This test will check your DisplayPort port.</p> <p><b>STEPS:</b> Skip this test if your system does not have a DisplayPort port. 1. Connect a display (if not already connected) to the DisplayPort port on your system</p> <p><b>VERIFICATION:</b> Was the desktop displayed correctly on both screens?</p>
after-suspend-manual-monitor/1_dvi_PRODUCT	blocker	<p><b>PURPOSE:</b> This test will check your DVI port.</p> <p><b>STEPS:</b> Skip this test if your system does not have a DVI port. 1. Connect a display (if not already connected) to the DVI port on your system</p> <p><b>VERIFICATION:</b> Was the desktop displayed correctly on both screens?</p>
after-suspend-manual-monitor/1_hdmi_PRODUCT	blocker	<p><b>PURPOSE:</b> This test will check your HDMI port.</p> <p><b>STEPS:</b> Skip this test if your system does not have a HDMI port. 1. Connect a display (if not already connected) to the HDMI port on your system</p> <p><b>VERIFICATION:</b> Was the desktop displayed correctly on both screens?</p>
after-suspend-manual-monitor/1_multi-head_PRODUCT	blocker	<p><b>PURPOSE:</b> This test verifies that multi-monitor output works on your desktop system. This is NOT the same test as the external monitor tests you would run on your laptop. You will need two monitors to perform this test.</p> <p><b>STEPS:</b> Skip this test if your video card does not support multiple monitors. 1. If your second monitor is not already connected, connect it now 2. Open the "Displays" tool (open the dash and search for "Displays") 3. Configure your output to provide one desktop across both monitors 4. Open any application and drag it from one monitor to the next.</p> <p><b>VERIFICATION:</b> Was the stretched desktop displayed correctly across both screens?</p>
after-suspend-manual-monitor/1_powersaving_PRODUCT	blocker	<p><b>PURPOSE:</b> This test will check your monitor power saving capabilities</p> <p><b>STEPS:</b> 1. Click "Test" to try the power saving capabilities of your monitor 2. Press any key or move the mouse to recover</p> <p><b>VERIFICATION:</b> Did the monitor go blank and turn on again?</p>
after-suspend-manual-monitor/1_thunderbolt3_PRODUCT	non-blocker	<p><b>PURPOSE:</b> This test will check your Thunderbolt 3 port as a monitor interconnect for VENDOR PRODUCT.</p> <p><b>STEPS:</b> 1. Connect a display (if not already connected) to the Thunderbolt 3 port on your system 2. Switch display modes between in your Display Settings, check if it can be set to mirrored, extended, displayed on external or onboard only</p> <p><b>VERIFICATION:</b> Was the desktop displayed correctly with VENDOR PRODUCT on the Thunderbolt-connected screen in every mode?</p>
after-suspend-manual-monitor/1_thunderbolt_PRODUCT	blocker	<p><b>PURPOSE:</b> This test will check your Thunderbolt port as a monitor interconnect for VENDOR PRODUCT.</p> <p><b>STEPS:</b> 1. Connect a display (if not already connected) to the Thunderbolt port on your system 2. Switch display modes between in your Display Settings, check if it can be set to mirrored, extended, displayed on external or onboard only</p> <p><b>VERIFICATION:</b> Was the desktop displayed correctly with VENDOR PRODUCT on the Thunderbolt-connected screen in every mode?</p>

18.04 Client Certification Tests

Name	Certification status	Description
after-suspend-manual-monitor/1_type-c_displayport_PRODUCT	blocker	<p>PURPOSE: This test will check the connection of a screen using a "USB Type-C to DisplayPort" adapter for VENDOR PRODUCT.</p> <p>STEPS: 1. Connect a display (if not already connected) to the USB Type-C port on your system using a "USB Type-C to DisplayPort" adapter 2. Switch display modes between in your Display Settings, check if it can be set to mirrored, extended, displayed on external or onboard only</p> <p>VERIFICATION: Was the desktop displayed correctly with VENDOR PRODUCT on the screen connected using a "USB Type-C to DisplayPort" adapter in every mode?</p>
after-suspend-manual-monitor/1_vga_PRODUCT	blocker	<p>PURPOSE: This test will check your VGA port.</p> <p>STEPS: Skip this test if your system does not have a VGA port. 1. Connect a display (if not already connected) to the VGA port on your system</p> <p>VERIFICATION: Was the desktop displayed correctly on both screens?</p>
after-suspend-manual-monitor/2_dim_brightness_PRODUCT	blocker	<p>PURPOSE: This test will test changes to screen brightness</p> <p>STEPS: 1. Click "Test" to try to dim the screen. 2. Check if the screen was dimmed approximately to half of the maximum brightness. 3. The screen will go back to the original brightness in 2 seconds.</p> <p>VERIFICATION: Was your screen dimmed approximately to half of the maximum brightness?</p>
after-suspend-manual-monitor/type-c-to-hdmi	blocker	<p>PURPOSE: This test will check the connection of a screen using a "USB Type-C to HDMI" adapter</p> <p>STEPS: 1. Connect a display (if not already connected) to the USB Type-C port on your system using a "USB Type-C to HDMI" adapter 2. Switch display modes between in your Display Settings, check if it can be set to mirrored, extended, displayed on external or onboard only</p> <p>VERIFICATION: Was the desktop displayed correctly with on the screen connected using a "USB Type-C to HDMI" adapter in every mode?</p>
after-suspend-manual-monitor/type-c-to-vga	blocker	<p>PURPOSE: This test will check the connection of a screen using a "USB Type-C to VGA" adapter</p> <p>STEPS: 1. Connect a display (if not already connected) to the USB Type-C port on your system using a "USB Type-C to VGA" adapter 2. Switch display modes between in your Display Settings, check if it can be set to mirrored, extended, displayed on external or onboard only</p> <p>VERIFICATION: Was the desktop displayed correctly with on the screen connected using a "USB Type-C to VGA" adapter in every mode?</p>
monitor/1_dim_brightness_PRODUCT	blocker	<p>PURPOSE: This test will test changes to screen brightness</p> <p>STEPS: 1. Click "Test" to try to dim the screen. 2. Check if the screen was dimmed approximately to half of the maximum brightness. 3. The screen will go back to the original brightness in 2 seconds.</p> <p>VERIFICATION: Was your screen dimmed approximately to half of the maximum brightness?</p>
monitor/1_displayport_PRODUCT	blocker	<p>PURPOSE: This test will check your DisplayPort port.</p> <p>STEPS: Skip this test if your system does not have a DisplayPort port. 1. Connect a display (if not already connected) to the DisplayPort port on your system</p> <p>VERIFICATION: Was the desktop displayed correctly on both screens?</p>
monitor/1_dvi_PRODUCT	blocker	<p>PURPOSE: This test will check your DVI port.</p> <p>STEPS: Skip this test if your system does not have a DVI port. 1. Connect a display (if not already connected) to the DVI port on your system</p> <p>VERIFICATION: Was the desktop displayed correctly on both screens?</p>

## 18.04 Client Certification Tests

Name	Certification status	Description
monitor/1_hdmi_PRODUCT	blocker	<p><b>PURPOSE:</b> This test will check your HDMI port.</p> <p><b>STEPS:</b> Skip this test if your system does not have a HDMI port.</p> <p>1. Connect a display (if not already connected) to the HDMI port on your system</p> <p><b>VERIFICATION:</b> Was the desktop displayed correctly on both screens?</p>
monitor/1_multi-head_PRODUCT	blocker	<p><b>PURPOSE:</b> This test verifies that multi-monitor output works on your desktop system. This is NOT the same test as the external monitor tests you would run on your laptop. You will need two monitors to perform this test.</p> <p><b>STEPS:</b> Skip this test if your video card does not support multiple monitors.</p> <p>1. If your second monitor is not already connected, connect it now</p> <p>2. Open the "Displays" tool (open the dash and search for "Displays")</p> <p>3. Configure your output to provide one desktop across both monitors</p> <p>4. Open any application and drag it from one monitor to the next.</p> <p><b>VERIFICATION:</b> Was the stretched desktop displayed correctly across both screens?</p>
monitor/1_powersaving_PRODUCT	blocker	<p><b>PURPOSE:</b> This test will check your monitor power saving capabilities</p> <p><b>STEPS:</b> 1. Click "Test" to try the power saving capabilities of your monitor</p> <p>2. Press any key or move the mouse to recover</p> <p><b>VERIFICATION:</b> Did the monitor go blank and turn on again?</p>
monitor/1_thunderbolt3_PRODUCT	non-blocker	<p><b>PURPOSE:</b> This test will check your Thunderbolt 3 port as a monitor interconnect for VENDOR PRODUCT.</p> <p><b>STEPS:</b> 1. Connect a display (if not already connected) to the Thunderbolt 3 port on your system</p> <p>2. Switch display modes between in your Display Settings, check if it can be set to mirrored, extended, displayed on external or onboard only</p> <p><b>VERIFICATION:</b> Was the desktop displayed correctly with VENDOR PRODUCT on the Thunderbolt-connected screen in every mode?</p>
monitor/1_thunderbolt_PRODUCT	blocker	<p><b>PURPOSE:</b> This test will check your Thunderbolt port as a monitor interconnect for VENDOR PRODUCT.</p> <p><b>STEPS:</b> 1. Connect a display (if not already connected) to the Thunderbolt port on your system</p> <p>2. Switch display modes between in your Display Settings, check if it can be set to mirrored, extended, displayed on external or onboard only</p> <p><b>VERIFICATION:</b> Was the desktop displayed correctly with VENDOR PRODUCT on the Thunderbolt-connected screen in every mode?</p>
monitor/1_type-c_displayport_PRODUCT	blocker	<p><b>PURPOSE:</b> This test will check the connection of a screen using a "USB Type-C to DisplayPort" adapter for VENDOR PRODUCT.</p> <p><b>STEPS:</b> 1. Connect a display (if not already connected) to the USB Type-C port on your system using a "USB Type-C to DisplayPort" adapter</p> <p>2. Switch display modes between in your Display Settings, check if it can be set to mirrored, extended, displayed on external or onboard only</p> <p><b>VERIFICATION:</b> Was the desktop displayed correctly with VENDOR PRODUCT on the screen connected using a "USB Type-C to DisplayPort" adapter in every mode?</p>
monitor/1_vga_PRODUCT	blocker	<p><b>PURPOSE:</b> This test will check your VGA port.</p> <p><b>STEPS:</b> Skip this test if your system does not have a VGA port.</p> <p>1. Connect a display (if not already connected) to the VGA port on your system</p> <p><b>VERIFICATION:</b> Was the desktop displayed correctly on both screens?</p>
monitor/2_dim_brightness_PRODUCT	blocker	<p><b>PURPOSE:</b> This test will test changes to screen brightness</p> <p><b>STEPS:</b> 1. Click "Test" to try to dim the screen.</p> <p>2. Check if the screen was dimmed approximately to half of the maximum brightness.</p> <p>3. The screen will go back to the original brightness in 2 seconds.</p> <p><b>VERIFICATION:</b> Was your screen dimmed approximately to half of the maximum brightness?</p>

## 18.04 Client Certification Tests

Name	Certification status	Description
monitor/2_displayport_PRODUCT	blocker	<p><b>PURPOSE:</b> This test will check your DisplayPort port.</p> <p><b>STEPS:</b> Skip this test if your system does not have a DisplayPort port.</p> <p>1. Connect a display (if not already connected) to the DisplayPort port on your system</p> <p><b>VERIFICATION:</b> Was the desktop displayed correctly on both screens?</p>
monitor/2_dvi_PRODUCT	blocker	<p><b>PURPOSE:</b> This test will check your DVI port.</p> <p><b>STEPS:</b> Skip this test if your system does not have a DVI port.</p> <p>1. Connect a display (if not already connected) to the DVI port on your system</p> <p><b>VERIFICATION:</b> Was the desktop displayed correctly on both screens?</p>
monitor/2_hdmi_PRODUCT	blocker	<p><b>PURPOSE:</b> This test will check your HDMI port.</p> <p><b>STEPS:</b> Skip this test if your system does not have a HDMI port.</p> <p>1. Connect a display (if not already connected) to the HDMI port on your system</p> <p><b>VERIFICATION:</b> Was the desktop displayed correctly on both screens?</p>
monitor/2_multi-head_PRODUCT	blocker	<p><b>PURPOSE:</b> This test verifies that multi-monitor output works on your desktop system. This is NOT the same test as the external monitor tests you would run on your laptop. You will need two monitors to perform this test.</p> <p><b>STEPS:</b> Skip this test if your video card does not support multiple monitors.</p> <p>1. If your second monitor is not already connected, connect it now 2. Open the "Displays" tool (open the dash and search for "Displays") 3. Configure your output to provide one desktop across both monitors 4. Open any application and drag it from one monitor to the next.</p> <p><b>VERIFICATION:</b> Was the stretched desktop displayed correctly across both screens?</p>
monitor/2_powersaving_PRODUCT	blocker	<p><b>PURPOSE:</b> This test will check your monitor power saving capabilities</p> <p><b>STEPS:</b> 1. Click "Test" to try the power saving capabilities of your monitor 2. Press any key or move the mouse to recover</p> <p><b>VERIFICATION:</b> Did the monitor go blank and turn on again?</p>
monitor/2_thunderbolt3_PRODUCT	non-blocker	<p><b>PURPOSE:</b> This test will check your Thunderbolt 3 port as a monitor interconnect for VENDOR PRODUCT.</p> <p><b>STEPS:</b> 1. Connect a display (if not already connected) to the Thunderbolt 3 port on your system 2. Switch display modes between in your Display Settings, check if it can be set to mirrored, extended, displayed on external or onboard only</p> <p><b>VERIFICATION:</b> Was the desktop displayed correctly with VENDOR PRODUCT on the Thunderbolt-connected screen in every mode?</p>
monitor/2_thunderbolt_PRODUCT	blocker	<p><b>PURPOSE:</b> This test will check your Thunderbolt port as a monitor interconnect for VENDOR PRODUCT.</p> <p><b>STEPS:</b> 1. Connect a display (if not already connected) to the Thunderbolt port on your system 2. Switch display modes between in your Display Settings, check if it can be set to mirrored, extended, displayed on external or onboard only</p> <p><b>VERIFICATION:</b> Was the desktop displayed correctly with VENDOR PRODUCT on the Thunderbolt-connected screen in every mode?</p>
monitor/2_type-c_displayport_PRODUCT	blocker	<p><b>PURPOSE:</b> This test will check the connection of a screen using a "USB Type-C to DisplayPort" adapter for VENDOR PRODUCT.</p> <p><b>STEPS:</b> 1. Connect a display (if not already connected) to the USB Type-C port on your system using a "USB Type-C to DisplayPort" adapter 2. Switch display modes between in your Display Settings, check if it can be set to mirrored, extended, displayed on external or onboard only</p> <p><b>VERIFICATION:</b> Was the desktop displayed correctly with VENDOR PRODUCT on the screen connected using a "USB Type-C to DisplayPort" adapter in every mode?</p>

## 18.04 Client Certification Tests

Name	Certification status	Description
monitor/2_vga_PRODUCT	blocker	<p><b>PURPOSE:</b> This test will check your VGA port.</p> <p><b>STEPS:</b> Skip this test if your system does not have a VGA port.</p> <p>1. Connect a display (if not already connected) to the VGA port on your system</p> <p><b>VERIFICATION:</b> Was the desktop displayed correctly on both screens?</p>
monitor/type-c-to-hdmi	blocker	<p><b>PURPOSE:</b> This test will check the connection of a screen using a "USB Type-C to HDMI" adapter</p> <p><b>STEPS:</b> 1. Connect a display (if not already connected) to the USB Type-C port on your system using a "USB Type-C to HDMI" adapter</p> <p>2. Switch display modes between in your Display Settings, check if it can be set to mirrored, extended, displayed on external or onboard only</p> <p><b>VERIFICATION:</b> Was the desktop displayed correctly with on the screen connected using a "USB Type-C to HDMI" adapter in every mode?</p>
monitor/type-c-to-vga	blocker	<p><b>PURPOSE:</b> This test will check the connection of a screen using a "USB Type-C to VGA" adapter</p> <p><b>STEPS:</b> 1. Connect a display (if not already connected) to the USB Type-C port on your system using a "USB Type-C to VGA" adapter</p> <p>2. Switch display modes between in your Display Settings, check if it can be set to mirrored, extended, displayed on external or onboard only</p> <p><b>VERIFICATION:</b> Was the desktop displayed correctly with on the screen connected using a "USB Type-C to VGA" adapter in every mode?</p>

### Non-device specific networking tests

networking/gateway_ping	blocker	Tests whether the system has a working Internet connection.
networking/info_device1_INTERFACE	blocker	<p><b>PURPOSE:</b> This test will check the network device 1 (INTERFACE)</p> <p><b>STEPS:</b> 1. Click "Test" to verify the information for this network device</p> <p><b>VERIFICATION:</b> Is this correct?</p>
networking/ntp	blocker	Test to see if we can sync local clock to an NTP server

### Optical Drive tests

optical/bluray-read_NAME	blocker	<p><b>PURPOSE:</b> This test will check your PRODUCT device's ability to read Blu-Ray (BD) media</p> <p><b>STEPS:</b> 1. Insert appropriate non-blank media into your Blu-Ray drive. Movie and Audio Disks may not work. Self-created data disks have the greatest chance of working.</p> <p>2. If a file browser window opens, you can safely close or ignore that window.</p> <p>3. Click "Test" to begin the test.</p> <p><b>VERIFICATION:</b> This test should automatically select "Yes" if it passes, "No" if it fails.</p>
optical/detect	blocker	Detects optical drives (CD/DVD) attached to the system.
optical/read_NAME	blocker	<p><b>PURPOSE:</b> This test will check your PRODUCT device's ability to read CD media</p> <p><b>STEPS:</b> 1. Insert appropriate non-blank media into your optical drive(s). Movie and Audio Disks may not work. Self-created data disks have the greatest chance of working.</p> <p>2. If a file browser window opens, you can safely close or ignore that window.</p> <p>3. Click "Test" to begin the test.</p> <p><b>VERIFICATION:</b> This test should automatically select "Yes" if it passes, "No" if it fails.</p>

### Power Management tests

power-management/fwts_wakealarm	blocker	Test ACPI Wakealarm (fwts wakealarm)
power-management/lid	blocker	<p><b>PURPOSE:</b> This test will check your lid sensors.</p> <p><b>STEPS:</b> 1. Close your laptop lid.</p> <p><b>VERIFICATION:</b> Does closing your laptop lid cause your system to suspend?</p>

## 18.04 Client Certification Tests

Name	Certification status	Description
power-management/lid_close	blocker	<p>PURPOSE: This test will check your lid sensors</p> <p>STEPS: 1. Press "Enter". 2. Close and open the lid.</p> <p>VERIFICATION: Did the screen turn off while the lid was closed?</p>
power-management/lid_open	blocker	<p>PURPOSE: This test will check your lid sensors.</p> <p>STEPS: 1. Press "Enter". 2. Close the lid. 3. Wait 5 seconds with the lid closed. 4. Open the lid.</p> <p>VERIFICATION: Did the system resume when the lid was opened?</p>
power-management/poweroff	blocker	This test will check the system's ability to power-off and boot.
power-management/reboot	blocker	This test will check the system's ability to reboot cleanly.
power-management/rtc	blocker	Verify that the Real-time clock (RTC) device functions properly, if present.
power-management/tickless_idle	blocker	Check to see if CONFIG_NO_HZ is set in the kernel (this is just a simple regression check)

### Stress tests

power-management/hibernate_30_cycles	non-blocker	<p>PURPOSE: This is an automated stress test that will force the system to hibernate/resume for 30 cycles</p>
power-management/suspend-30-cycles-time-check	non-blocker	Checks the sleep times to ensure that a machine suspends and resumes within a given threshold
power-management/suspend_30_cycles	blocker	<p>PURPOSE: This is an automated stress test that will force the system to suspend/resume for 30 cycles.</p>
stress/cpu_stress_ng_test	blocker	Impose a high system load using the 'stress_ng' tool to exercise the CPU for several hours. The test is considered passed if the system does not freeze and if the stress_ng tool does not report errors.

### Suspend tests

suspend/1_compiz_check_after_suspend_PRODUCT_xenial	blocker	Check that PRODUCT hardware is able to run compiz after suspend
suspend/1_cycle_resolutions_after_suspend_PRODUCT_xenial	non-blocker	<p>PURPOSE: This test will cycle through the detected display modes</p> <p>STEPS: 1. Click "Test" and the display will cycle through the display modes</p> <p>VERIFICATION: Did your display look fine in the detected mode?</p>
suspend/1_display_after_suspend_PRODUCT_xenial	blocker	<p>PURPOSE: This test will check that the display is correct after suspend and resume on the VENDOR PRODUCT graphics card.</p> <p>STEPS: 1. Check that your display does not show up visual artifacts after resuming.</p> <p>VERIFICATION: Does the display work normally after resuming from suspend using the VENDOR PRODUCT graphics card?</p>
suspend/1_driver_version_after_suspend_PRODUCT_xenial	blocker	Parses Xorg.0.Log and discovers the running X driver and version after suspend for the VENDOR PRODUCT graphics card
suspend/1_glxgears_after_suspend_PRODUCT_xenial	blocker	<p>PURPOSE: This test tests the basic 3D capabilities of your VENDOR PRODUCT video card after suspend</p> <p>STEPS: 1. Click "Test" to execute an OpenGL demo. Press ESC at any time to close. 2. Verify that the animation is not jerky or slow.</p> <p>VERIFICATION: 1. Did the 3d animation appear? 2. Was the animation free from slowness/jerkiness?</p>
suspend/1_resolution_after_suspend_PRODUCT_xenial	blocker	Test to see that we have the same resolution after resuming as before.
suspend/1_resolution_before_suspend_PRODUCT_xenial	blocker	Record the current resolution before suspending.
suspend/1_suspend-time-check_PRODUCT_xenial	non-blocker	Checks the sleep times to ensure that a machine suspends and resumes within a given threshold

## 18.04 Client Certification Tests

Name	Certification status	Description
suspend/1_suspend_after_switch_to_card_PRODUCT_xenial		<b>PURPOSE:</b> This test will check suspend and resume after switching to VENDOR PRODUCT graphics card. <b>STEPS:</b> 1. Ensure you have switched to VENDOR PRODUCT graphics card. 2. Click "Test" and your system will suspend for about 30 - 60 seconds 3. Observe the Power LED to see if it blinks or changes color during suspend 4. If your system does not wake itself up after 60 seconds, please press the power button momentarily to wake the system manually 5. If your system fails to wake at all and must be rebooted, restart System Testing after reboot and mark this test as Failed <b>VERIFICATION:</b> Did your system suspend and resume correctly after switching to VENDOR PRODUCT graphics card? (NOTE: Please only consider whether the system successfully suspended and resumed. Power/Suspend LED verification will occur after this test is completed.)
suspend/1_video_after_suspend_PRODUCT_xenial	blocker	<b>PURPOSE:</b> This test will test the default display after suspend with a sample video <b>STEPS:</b> 1. Click "Test" to display a video test. <b>VERIFICATION:</b> Do you see color bars and static?
suspend/2_compiz_check_after_suspend_PRODUCT_xenial	blocker	Check that PRODUCT hardware is able to run compiz after suspend
suspend/2_cycle_resolutions_after_suspend_PRODUCT_xenial	non-blocker	<b>PURPOSE:</b> This test will cycle through the detected display modes <b>STEPS:</b> 1. Click "Test" and the display will cycle through the display modes <b>VERIFICATION:</b> Did your display look fine in the detected mode?
suspend/2_display_after_suspend_PRODUCT_xenial	blocker	<b>PURPOSE:</b> This test will check that the display is correct after suspend and resume on the VENDOR PRODUCT graphics card. <b>STEPS:</b> 1. Check that your display does not show up visual artifacts after resuming. <b>VERIFICATION:</b> Does the display work normally after resuming from suspend using the VENDOR PRODUCT graphics card?
suspend/2_driver_version_after_suspend_PRODUCT_xenial	blocker	Parses Xorg.0.Log and discovers the running X driver and version after suspend for the VENDOR PRODUCT graphics card
suspend/2_glxgears_after_suspend_PRODUCT_xenial	blocker	<b>PURPOSE:</b> This test tests the basic 3D capabilities of your VENDOR PRODUCT video card after suspend <b>STEPS:</b> 1. Click "Test" to execute an OpenGL demo. Press ESC at any time to close. 2. Verify that the animation is not jerky or slow. <b>VERIFICATION:</b> 1. Did the 3d animation appear? 2. Was the animation free from slowness/jerkiness?
suspend/2_resolution_after_suspend_PRODUCT_xenial	blocker	Test to see that we have the same resolution after resuming as before.
suspend/2_resolution_before_suspend_PRODUCT_xenial	blocker	Record the current resolution before suspending.
suspend/2_suspend-time-check_PRODUCT_xenial	non-blocker	Checks the sleep times to ensure that a machine suspends and resumes within a given threshold
suspend/2_suspend_after_switch_to_card_PRODUCT_xenial	blocker	<b>PURPOSE:</b> This test will check suspend and resume after switching to VENDOR PRODUCT graphics card. <b>STEPS:</b> 1. Ensure you have switched to VENDOR PRODUCT graphics card. 2. Click "Test" and your system will suspend for about 30 - 60 seconds 3. Observe the Power LED to see if it blinks or changes color during suspend 4. If your system does not wake itself up after 60 seconds, please press the power button momentarily to wake the system manually 5. If your system fails to wake at all and must be rebooted, restart System Testing after reboot and mark this test as Failed <b>VERIFICATION:</b> Did your system suspend and resume correctly after switching to VENDOR PRODUCT graphics card? (NOTE: Please only consider whether the system successfully suspended and resumed. Power/Suspend LED verification will occur after this test is completed.)
suspend/2_video_after_suspend_PRODUCT_xenial	blocker	<b>PURPOSE:</b> This test will test the default display after suspend with a sample video <b>STEPS:</b> 1. Click "Test" to display a video test. <b>VERIFICATION:</b> Do you see color bars and static?
suspend/alsa_record_playback_external-after-suspend	blocker	<b>PURPOSE:</b> This test will check that recording sound using an external microphone works correctly after suspend <b>STEPS:</b> 1. Connect a microphone to your microphone port 2. Click "Test", then speak into the external microphone 3. After a few seconds, your speech will be played back to you <b>VERIFICATION:</b> Did you hear your speech played back?

## 18.04 Client Certification Tests

Name	Certification status	Description
suspend/audio_after_suspend	blocker	Verify that mixer settings after suspend are the same as before suspend.
suspend/audio_before_suspend	blocker	Record mixer settings before suspending.
suspend/bluetooth_detect_after_suspend	blocker	This test grabs the hardware address of the bluetooth adapter after suspend and compares it to the address grabbed before suspend.
suspend/bluetooth_obex_browse_after_suspend	blocker	This is an automated Bluetooth test. It emulates browsing on a remote device specified by the BTDEVADDR environment variable.
suspend/bluetooth_obex_browse_before_suspend	blocker	This is an automated Bluetooth test. It emulates browsing on a remote device specified by the BTDEVADDR environment variable.
suspend/bluetooth_obex_get_after_suspend	blocker	This is an automated Bluetooth test. It receives the given file from a remote host specified by the BTDEVADDR environment variable
suspend/bluetooth_obex_get_before_suspend	blocker	This is an automated Bluetooth test. It receives the given file from a remote host specified by the BTDEVADDR environment variable
suspend/bluetooth_obex_send_after_suspend	blocker	This is an automated Bluetooth file transfer test. It sends an image to the device specified by the BTDEVADDR environment variable.
suspend/bluetooth_obex_send_before_suspend	blocker	This is an automated Bluetooth file transfer test. It sends an image to the device specified by the BTDEVADDR environment variable.
suspend/clicking-after-suspend_PRODUCT_CATEGORY_1	blocker	<p><b>PURPOSE:</b> This will test the buttons of your PRODUCT device after suspend</p> <p><b>STEPS:</b></p> <ol style="list-style-type: none"> <li>1. Click the left button with your PRODUCT.</li> <li>2. Click the right button with your PRODUCT.</li> <li>3. Click the middle button with your PRODUCT (if available).</li> <li>4. Double-click the left button with your PRODUCT.</li> </ol> <p><b>VERIFICATION:</b> Did these buttons work as expected?</p>
suspend/cpu_after_suspend	blocker	Verify that all CPUs are online after resuming.
suspend/cpu_before_suspend	blocker	Verify that all the CPUs are online before suspending
suspend/led_after_suspend/battery-charged		<p><b>PURPOSE:</b> Validate that the battery LED properly displays charged status after resuming from suspend</p> <p><b>STEPS:</b></p> <ol style="list-style-type: none"> <li>1. Let system run on battery for a short time</li> <li>2. Plug in AC</li> <li>3. Let system run on AC</li> </ol> <p><b>VERIFICATION:</b> Does the orange battery LED still shut off when system is fully charged after resuming from suspend?</p>
suspend/led_after_suspend/battery-charging		<p><b>PURPOSE:</b> Validate that the battery light shows charging status after resuming from suspend</p> <p><b>STEPS:</b></p> <ol style="list-style-type: none"> <li>1. Let system run on battery for a while</li> <li>2. Plug in AC plug</li> </ol> <p><b>VERIFICATION:</b> Did the battery indicator LED still turn orange after resuming from suspend?</p>
suspend/led_after_suspend/battery-low		<p><b>PURPOSE:</b> Validate that the battery LED indicated low power after resuming from suspend</p> <p><b>STEPS:</b></p> <ol style="list-style-type: none"> <li>1. Let system run on battery for several hours</li> <li>2. Monitor battery LED carefully</li> </ol> <p><b>VERIFICATION:</b> Does the LED light orange when battery is low after resuming from suspend?</p>
suspend/led_after_suspend/caps-lock		<p><b>PURPOSE:</b> Validate that the Caps Lock key operates the same before and after resuming from suspend</p> <p><b>STEPS:</b></p> <ol style="list-style-type: none"> <li>1. Press "Block Cap Keys" to activate/deactivate cap keys blocking</li> <li>2. Cap Keys LED should be switched on/off every time the key is pressed</li> </ol> <p><b>VERIFICATION:</b> Did the Cap Keys LED light as expected after resuming from suspend?</p>
suspend/led_after_suspend/power		<p><b>PURPOSE:</b> Validate that the power LED operated the same after resuming from suspend</p> <p><b>STEPS:</b></p> <ol style="list-style-type: none"> <li>1. Power LED should be on while device is switched on</li> </ol> <p><b>VERIFICATION:</b> Does the power LED remain on after resuming from suspend?</p>

## 18.04 Client Certification Tests

Name	Certification status	Description
suspend/led_after_suspend/touchpad		<p>PURPOSE: Touchpad LED verification after resuming from suspend</p> <p>STEPS: 1. Click on the touchpad button or press key combination to enable/disable touchpad button 2. Slide your finger on the touchpad</p> <p>VERIFICATION: 1. Touchpad LED status should toggle everytime the button is clicked or the key combination is pressed 2. When the LED is on, the mouse pointer should move on touchpad usage 3. When the LED is off, the mouse pointer should not move on touchpad usage</p>
suspend/memory_after_suspend	blocker	Verify that all memory is available after resuming from suspend.
suspend/memory_before_suspend	blocker	Dumps memory info to a file for comparison after suspend
suspend/microphone-plug-detection-after-suspend	blocker	<p>PURPOSE: Check that system detects a microphone being plugged in after suspend</p> <p>STEPS: 1. Prepare a microphone with a standard 3.5mm jack 2. Locate the microphone jack on the device under test. Keep in mind that it may be shared with the headphone jack. 3. Run the test (you have 30 seconds from now on) 4. Plug the microphone into the appropriate jack 5. Unplug the device for subsequent tests.</p> <p>VERIFICATION: Verification is automatic, no action is required. The test times out after 30 seconds (and fails in that case).</p>
suspend/network_after_suspend	blocker	Test the network after resuming.
suspend/network_before_suspend	blocker	Record the current network before suspending.
suspend/playback_headphones-after-suspend	blocker	<p>PURPOSE: This test will check that headphones connector works correctly after suspend</p> <p>STEPS: 1. Connect a pair of headphones to your audio device 2. Commence the test to play a sound to your audio device</p> <p>VERIFICATION: Did you hear a sound through the headphones and did the sound play without any distortion, clicks or other strange noises from your headphones?</p>
suspend/pointing-after-suspend_PRODUCT_CATEGORY_1	blocker	<p>PURPOSE: This will test your PRODUCT device after suspend.</p> <p>STEPS: 1. Move the cursor with your PRODUCT.</p> <p>VERIFICATION: Did the cursor move?</p>
suspend/sd-insert-after-suspend	blocker	<p>PURPOSE: This test will check that the systems media card reader can detect the insertion of an UNLOCKED SD card after the system has been suspended</p> <p>STEPS: 1. Click "Test" and insert an UNLOCKED SD card into the reader. If a file browser opens up, you can safely close it. (Note: this test will time-out after 20 seconds.) 2. Do not remove the device after this test.</p> <p>VERIFICATION: The verification of this test is automated. Do not change the automatically selected result.</p>
suspend/sd-remove-after-suspend	blocker	<p>PURPOSE: This test will check that the system correctly detects the removal of an SD card from the systems card reader after the system has been suspended.</p> <p>STEPS: 1. Click "Test" and remove the SD card from the reader. (Note: this test will time-out after 20 seconds.)</p> <p>VERIFICATION: The verification of this test is automated. Do not change the automatically selected result.</p>
suspend/sd-storage-after-suspend	blocker	This test is automated and executes after the mediacard/sd-insert-after-suspend test is run. It tests reading and writing to the SD card after the system has been suspended.

## 18.04 Client Certification Tests

Name	Certification status	Description
suspend/sdhc-insert-after-suspend	blocker	<p><b>PURPOSE:</b> This test will check that the systems media card reader can detect the insertion of an UNLOCKED SDHC media card after the system has been suspended</p> <p><b>STEPS:</b> 1. Click "Test" and insert an UNLOCKED SDHC card into the reader. If a file browser opens up, you can safely close it. (Note: this test will time-out after 20 seconds.) 2. Do not remove the device after this test.</p> <p><b>VERIFICATION:</b> The verification of this test is automated. Do not change the automatically selected result.</p>
suspend/sdhc-remove-after-suspend	blocker	<p><b>PURPOSE:</b> This test will check that the system correctly detects the removal of an SDHC card from the systems card reader after the system has been suspended.</p> <p><b>STEPS:</b> 1. Click "Test" and remove the SDHC card from the reader. (Note: this test will time-out after 20 seconds.)</p> <p><b>VERIFICATION:</b> The verification of this test is automated. Do not change the automatically selected result.</p>
suspend/sdhc-storage-after-suspend	blocker	<p>This test is automated and executes after the mediacard/sdhc-insert-after-suspend test is run. It tests reading and writing to the SDHC card after the system has been suspended.</p>
suspend/speaker-headphone-plug-detection-after-suspend	blocker	<p><b>PURPOSE:</b> Check that system detects speakers or headphones being plugged in after suspend</p> <p><b>STEPS:</b> 1. Prepare a pair of headphones or speakers with a standard 3.5mm jack 2. Locate the speaker / headphone jack on the device under test 3. Run the test (you have 30 seconds from now on) 4. Plug headphones or speakers into the appropriate jack 5. Unplug the device for subsequent tests.</p> <p><b>VERIFICATION:</b> Verification is automatic, no action is required. The test times out after 30 seconds (and fails in that case).</p>
suspend/suspend_advanced		<p><b>PURPOSE:</b> This test will check suspend and resume</p> <p><b>STEPS:</b> 1. Click "Test" and your system will suspend for about 30 - 60 seconds 2. Observe the Power LED to see if it blinks or changes color during suspend 3. If your system does not wake itself up after 60 seconds, please press the power button momentarily to wake the system manually 4. If your system fails to wake at all and must be rebooted, restart System Testing after reboot and mark this test as Failed</p> <p><b>VERIFICATION:</b> Did your system suspend and resume correctly? (NOTE: Please only consider whether the system successfully suspended and resumed. Power/Suspend LED verification will occur after this test is completed.)</p>
suspend/usb3_insert_after_suspend	blocker	<p><b>PURPOSE:</b> This test will check that the system correctly detects the insertion of a USB 3.0 storage device after suspend and resume.</p> <p><b>STEPS:</b> 1. Click "Test" and insert a USB 3.0 storage device (pen-drive/HDD) in a USB 3.0 port. (Note: this test will time-out after 20 seconds.) 2. Do not unplug the device after the test.</p> <p><b>VERIFICATION:</b> The verification of this test is automated. Do not change the automatically selected result.</p>
suspend/usb3_remove_after_suspend	blocker	<p><b>PURPOSE:</b> This test will check that the system correctly detects the removal of a USB 3.0 storage device after suspend</p> <p><b>STEPS:</b> 1. Click "Test" and remove the USB 3.0 device. (Note: this test will time-out after 20 seconds.)</p> <p><b>VERIFICATION:</b> The verification of this test is automated. Do not change the automatically selected result.</p>
suspend/usb3_storage_automated_after_suspend	blocker	<p>This test is automated and executes after the suspend/usb3_insert_after_suspend test is run.</p>

## 18.04 Client Certification Tests

Name	Certification status	Description
suspend/usb_insert_after_suspend	blocker	<p><b>PURPOSE:</b> This test will check that the system correctly detects the insertion of a USB storage device after suspend and resume.</p> <p><b>STEPS:</b> 1. Click "Test" and insert a USB storage device (pen-drive/HDD). (Note: this test will time-out after 20 seconds.) 2. Do not unplug the device after the test.</p> <p><b>VERIFICATION:</b> The verification of this test is automated. Do not change the automatically selected result.</p>
suspend/usb_remove_after_suspend	blocker	<p><b>PURPOSE:</b> This test will check that the system correctly detects the removal of a USB storage device after suspend.</p> <p><b>STEPS:</b> 1. Click "Test" and remove the USB device. (Note: this test will time-out after 20 seconds.)</p> <p><b>VERIFICATION:</b> The verification of this test is automated. Do not change the automatically selected result.</p>
suspend/usb_storage_automated_after_suspend	blocker	This test is automated and executes after the suspend/usb_insert_after_suspend test is run.

### Touchpad tests

touchpad/basic	blocker	<p><b>PURPOSE:</b> Touchpad manual verification</p> <p><b>STEPS:</b> 1. Make sure that touchpad is enabled. 2. Move cursor using the touchpad.</p> <p><b>VERIFICATION:</b> Did the cursor move?</p>
touchpad/basic-after-suspend	blocker	<p><b>PURPOSE:</b> Touchpad manual verification</p> <p><b>STEPS:</b> 1. Make sure that touchpad is enabled. 2. Move cursor using the touchpad.</p> <p><b>VERIFICATION:</b> Did the cursor move?</p>
touchpad/continuous-move	blocker	<p><b>PURPOSE:</b> Touchpad continuous move verification</p> <p><b>STEPS:</b> 1. Select "Test" when ready and continuously move your cursor within the borders of the displayed test window. You'll need to keep moving your finger on the touchpad for 10 seconds.</p> <p><b>VERIFICATION:</b> Did the mouse cursor move without interruption?</p>
touchpad/continuous-move-after-suspend	blocker	<p><b>PURPOSE:</b> Touchpad continuous move verification</p> <p><b>STEPS:</b> 1. Select "Test" when ready and continuously move your cursor within the borders of the displayed test window. You'll need to keep moving your finger on the touchpad for 10 seconds.</p> <p><b>VERIFICATION:</b> Did the mouse cursor move without interruption?</p>
touchpad/detected-as-mouse	blocker	<p><b>PURPOSE:</b> This test will check if your touchpad was detected as a mouse.</p>
touchpad/detected-as-mouse-after-suspend	blocker	<p><b>PURPOSE:</b> This test will check if your touchpad was detected as a mouse.</p>
touchpad/drag-and-drop	blocker	<p><b>PURPOSE:</b> Determine that the drag and drop function is working as expected.</p> <p><b>STEPS:</b> 1. Browse to the examples folder in the current user's home directory 2. Double tap and hold to select the "Ubuntu_Free_Culture_Showcase" folder 3. Drag the selected folder to the desktop and remove finger from touchpad.</p> <p><b>VERIFICATION:</b> Did a selected folder move to the desktop?</p>

## 18.04 Client Certification Tests

Name	Certification status	Description
touchpad/drag-and-drop-after-suspend	blocker	<p>PURPOSE: Determine that the drag and drop function is working as expected.</p> <p>STEPS: 1. Browse to the examples folder in the current user's home directory 2. Double tap and hold to select the "Ubuntu_Free_Culture_Showcase" folder 3. Drag the selected folder to the desktop and remove finger from touchpad.</p> <p>VERIFICATION: Did a selected folder move to the desktop?</p>
touchpad/horizontal	blocker	<p>PURPOSE: Touchpad horizontal scroll verification</p> <p>STEPS: 1. Select "Test" when ready and place your cursor within the borders of the displayed test window. 2. Verify that you can move the horizontal slider by moving your finger right and left in the lower part of the touchpad.</p> <p>VERIFICATION: Could you scroll right and left?</p>
touchpad/horizontal-after-suspend	blocker	<p>PURPOSE: Touchpad horizontal scroll verification</p> <p>STEPS: 1. Select "Test" when ready and place your cursor within the borders of the displayed test window. 2. Verify that you can move the horizontal slider by moving your finger right and left in the lower part of the touchpad.</p> <p>VERIFICATION: Could you scroll right and left?</p>
touchpad/multitouch-automated	blocker	<p>PURPOSE: Determine whether the touchpad is detected as a multitouch device automatically.</p>
touchpad/multitouch-dash	non-blocker	<p>PURPOSE: Validate that 4-touch tap is operating as expected</p> <p>STEPS: 1. 4-touch tap (tap with 4 fingers) anywhere on the touchpad</p> <p>VERIFICATION: Did the tap open the Dash?</p>
touchpad/multitouch-dash-after-suspend	non-blocker	<p>PURPOSE: Validate that 4-touch tap is operating as expected</p> <p>STEPS: 1. 4-touch tap (tap with 4 fingers) anywhere on the touchpad</p> <p>VERIFICATION: Did the tap open the Dash?</p>
touchpad/multitouch-horizontal	blocker	<p>PURPOSE: Touchpad 2-touch horizontal scroll verification</p> <p>STEPS: 1. Select "Test" when ready and place your cursor within the borders of the displayed test window. 2. Verify that you can move the horizontal slider by moving 2 fingers right and left along the touchpad.</p> <p>VERIFICATION: Could you scroll right and left?</p>
touchpad/multitouch-horizontal-after-suspend	blocker	<p>PURPOSE: Touchpad 2-touch horizontal scroll verification</p> <p>STEPS: 1. Select "Test" when ready and place your cursor within the borders of the displayed test window. 2. Verify that you can move the horizontal slider by moving 2 fingers right and left along the touchpad.</p> <p>VERIFICATION: Could you scroll right and left?</p>
touchpad/multitouch-manual	blocker	<p>PURPOSE: Touchpad manual detection of multitouch.</p> <p>STEPS: 1. Look at the specifications for your system.</p> <p>VERIFICATION: Is the touchpad supposed to be multitouch?</p>
touchpad/multitouch-manual-after-suspend	blocker	<p>PURPOSE: Touchpad manual detection of multitouch.</p> <p>STEPS: 1. Look at the specifications for your system.</p> <p>VERIFICATION: Is the touchpad supposed to be multitouch?</p>
touchpad/multitouch-rightclick	blocker	<p>PURPOSE: Determine that the right click function is working as expected.</p> <p>STEPS: 1. Open a file folder 2. Hover cursor over file in folder 3. 2-touch tap.</p> <p>VERIFICATION: Did the right click pop up menu appear?</p>

## 18.04 Client Certification Tests

Name	Certification status	Description
touchpad/multitouch-rightclick-after-suspend	blocker	<p>PURPOSE: Determine that the right click function is working as expected.</p> <p>STEPS: 1. Open a file folder 2. Hover cursor over file in folder 3. 2-touch tap.</p> <p>VERIFICATION: Did the right click pop up menu appear?</p>
touchpad/multitouch-vertical	blocker	<p>PURPOSE: Touchpad 2-touch vertical scroll verification</p> <p>STEPS: 1. Select "Test" when ready and place your cursor within the borders of the displayed test window. 2. Verify that you can move the vertical slider by moving 2 fingers up and down along the touchpad.</p> <p>VERIFICATION: Could you scroll up and down?</p>
touchpad/multitouch-vertical-after-suspend	blocker	<p>PURPOSE: Touchpad 2-touch vertical scroll verification</p> <p>STEPS: 1. Select "Test" when ready and place your cursor within the borders of the displayed test window. 2. Verify that you can move the vertical slider by moving 2 fingers up and down along the touchpad.</p> <p>VERIFICATION: Could you scroll up and down?</p>
touchpad/palm-rejection	non-blocker	<p>PURPOSE: This test checks if touchpad ignores palm touches</p>
touchpad/palm-rejection-after-suspend	non-blocker	<p>PURPOSE: This test checks if touchpad ignores palm touches</p>
touchpad/singletouch-automated	blocker	<p>PURPOSE: Determine whether the touchpad is detected as a singletouch device automatically.</p>
touchpad/singletouch-selection	blocker	<p>PURPOSE: Determine that the selection window function is working as expected.</p> <p>STEPS: 1. Open a file folder 2. Double tap and drag the cursor across several file.</p> <p>VERIFICATION: Did a selection window open and were several files selected?</p>
touchpad/singletouch-selection-after-suspend	blocker	<p>PURPOSE: Determine that the selection window function is working as expected.</p> <p>STEPS: 1. Open a file folder 2. Double tap and drag the cursor across several file.</p> <p>VERIFICATION: Did a selection window open and were several files selected?</p>
touchpad/vertical	blocker	<p>PURPOSE: Touchpad vertical scroll verification</p> <p>STEPS: 1. Select "Test" when ready and place your cursor within the borders of the displayed test window. 2. Verify that you can move the vertical slider by moving your finger up and down in the right part of the touchpad.</p> <p>VERIFICATION: Could you scroll up and down?</p>
touchpad/vertical-after-suspend	blocker	<p>PURPOSE: Touchpad vertical scroll verification</p> <p>STEPS: 1. Select "Test" when ready and place your cursor within the borders of the displayed test window. 2. Verify that you can move the vertical slider by moving your finger up and down in the right part of the touchpad.</p> <p>VERIFICATION: Could you scroll up and down?</p>

### Touchscreen tests

touchscreen/3-touch-tap	blocker	<p>PURPOSE: Validate that 3-touch tap is operating as expected</p> <p>STEPS: 1. Commence the test 2. Tap the screen within the test area with 3 fingers simultaneously. 3. Once 3 fingers are on the screen you should see the indicator they are recognized.</p> <p>VERIFICATION: Did you see the green circles around the three fingers?</p>
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## 18.04 Client Certification Tests

Name	Certification status	Description
touchscreen/4-touch-tap	blocker	<p>PURPOSE: Validate that 4-touch tap is operating as expected</p> <p>STEPS: 1. Commence the test 2. Tap the screen within the test area with 4 fingers simultaneously. 3. Once 4 fingers are on the screen you should see the indicator they are recognized.</p> <p>VERIFICATION: Did you see the green circles around the four fingers?</p>
touchscreen/drag-n-drop	blocker	<p>PURPOSE: Check touchscreen drag &amp; drop</p> <p>STEPS: 1. Tap and hold an object on the desktop 2. Drag and drop the object in a different location</p> <p>VERIFICATION: Does drag and drop work?</p>
touchscreen/multitouch-dash	non-blocker	<p>PURPOSE: Validate that 4-touch tap is operating as expected</p> <p>STEPS: 1. 4-touch tap anywhere on the touchscreen</p> <p>VERIFICATION: Did the tap open the Dash?</p>
touchscreen/multitouch-rotate		<p>PURPOSE: Check touchscreen pinch gesture for rotate</p> <p>STEPS: 1. Commence the test 2. Using 2 fingers, rotate the blue square until it turns green, then release it.</p> <p>VERIFICATION: Did the blue square rotate following the gesture?</p>
touchscreen/multitouch-zoom	blocker	<p>PURPOSE: Check touchscreen pinch gesture for zoom</p> <p>STEPS: 1. Commence the test 2. Using 2 fingers, resize the blue square until it turns green, then release it.</p> <p>VERIFICATION: Did the blue square change size following the gesture?</p>

### TPM 2.0 (Trusted Platform Module)

tpm2.0_3.0.4/output_formats		output_formats
tpm2.0_3.0.4/tpm2_activecredential		tpm2_activecredential
tpm2.0_3.0.4/tpm2_certify		tpm2_certify
tpm2.0_3.0.4/tpm2_create		tpm2_create
tpm2.0_3.0.4/tpm2_createpolicy		tpm2_createpolicy
tpm2.0_3.0.4/tpm2_createprimary		tpm2_createprimary
tpm2.0_3.0.4/tpm2_dictionarylockout		tpm2_dictionarylockout
tpm2.0_3.0.4/tpm2_evictcontrol		tpm2_evictcontrol
tpm2.0_3.0.4/tpm2_getcap		tpm2_getcap
tpm2.0_3.0.4/tpm2_getmanufec		tpm2_getmanufec
tpm2.0_3.0.4/tpm2_getpubak		tpm2_getpubak
tpm2.0_3.0.4/tpm2_getpubek		tpm2_getpubek
tpm2.0_3.0.4/tpm2_getrandom		tpm2_getrandom
tpm2.0_3.0.4/tpm2_hash		tpm2_hash
tpm2.0_3.0.4/tpm2_hmac		tpm2_hmac
tpm2.0_3.0.4/tpm2_listpersistent		tpm2_listpersistent
tpm2.0_3.0.4/tpm2_load		tpm2_load
tpm2.0_3.0.4/tpm2_loadexternal		tpm2_loadexternal
tpm2.0_3.0.4/tpm2_makecredential		tpm2_makecredential

## 18.04 Client Certification Tests

Name	Certification status	Description
tpm2.0_3.0.4/tpm2_nv		tpm2_nv
tpm2.0_3.0.4/tpm2_pcrevent		tpm2_pcrevent
tpm2.0_3.0.4/tpm2_pcrextend		tpm2_pcrextend
tpm2.0_3.0.4/tpm2_pcrlist		tpm2_pcrlist
tpm2.0_3.0.4/tpm2_quote		tpm2_quote
tpm2.0_3.0.4/tpm2_rc_decode		tpm2_rc_decode
tpm2.0_3.0.4/tpm2_readpublic		tpm2_readpublic
tpm2.0_3.0.4/tpm2_rsadecrypt		tpm2_rsadecrypt
tpm2.0_3.0.4/tpm2_rsaencrypt		tpm2_rsaencrypt
tpm2.0_3.0.4/tpm2_send		tpm2_send
tpm2.0_3.0.4/tpm2_sign		tpm2_sign
tpm2.0_3.0.4/tpm2_startup		tpm2_startup
tpm2.0_3.0.4/tpm2_takeownership		tpm2_takeownership
tpm2.0_3.0.4/tpm2_unseal		tpm2_unseal
tpm2.0_3.0.4/tpm2_verifysignature		tpm2_verifysignature

### Uncategorised

cpu/cstates	blocker	Uses the Firmware Test Suite (fwts) to test the power saving states of the CPU.
install/apt-get-gets-updates		Tests to see that apt can access repositories and get updates (does not install updates). This is done to confirm that you could recover from an incomplete or broken update.
suspend/oops_after_suspend	blocker	Run Firmware Test Suite (fwts) oops tests after suspend.
collect-manifest		This job interactively asks the user about each manifest entry and stores the result. This job can be omitted but the manifest may be incomplete unless it was cached on an earlier run or provided externally.

### USB tests

usb-c/c-to-a-adapter/hid	blocker	<p><b>PURPOSE:</b> This test will check that you can use a USB HID device plugged in a USB Type-C port using a "USB Type-C to Type-A" adapter</p> <p><b>STEPS:</b> 1. Enable either a USB mouse or keyboard by plugging it in the USB Type-C port using a "USB Type-C to Type-A" adapter 2. For mice, perform actions such as moving the pointer, right and left button clicks and double clicks 3. For keyboards, switch to another tty and type some text</p> <p><b>VERIFICATION:</b> Did the device work as expected?</p>
usb-c/c-to-a-adapter/insert	blocker	<p><b>PURPOSE:</b> This test will check that the system correctly detects the insertion of a USB 3 storage device in a USB Type-C connector using a "Type-C to Type-A" adapter</p> <p><b>STEPS:</b> 1. Commence the test 2. Connect a USB 3 storage device to a USB Type-C port using a "Type-C to Type-A" adapter 3. Do not unplug the device after the test.</p> <p><b>VERIFICATION:</b> The verification of this test is automated. Do not change the automatically selected result.</p>

## 18.04 Client Certification Tests

Name	Certification status	Description
usb-c/c-to-a-adapter/remove	blocker	<p><b>PURPOSE:</b> This test will check that the system correctly detects the removal of a USB 3 storage device connected to a USB Type-C port using a "USB Type-C to Type-A" adapter.</p> <p><b>STEPS:</b> 1. Commence the test 2. Disconnect a USB 3 storage device to a USB Type-C port using a "Type-C to Type-A" adapter</p> <p><b>VERIFICATION:</b> The verification of this test is automated. Do not change the automatically selected result.</p>
usb-c/c-to-a-adapter/storage-automated	blocker	This test is automated and executes after the usb-c/c-to-a-adapter/insert test is run.
usb-c/c-to-ethernet-adapter-insert		<p><b>PURPOSE:</b> This test will check if system detects network interface of the Type-C to ethernet adapter.</p> <p><b>STEPS:</b> 1. Prepare USB Type-C to Ethernet adapter 2. Start the test 3. When the message "INSERT NOW" is shown, plug in the adapter to Type-C port</p>
usb-c/hid	blocker	<p><b>PURPOSE:</b> This test will check that you can use a USB HID device plugged in a USB Type-C port</p> <p><b>STEPS:</b> 1. Enable either a USB mouse or keyboard by plugging it in the USB Type-C port 2. For mice, perform actions such as moving the pointer, right and left button clicks and double clicks 3. For keyboards, switch to another tty and type some text</p> <p><b>VERIFICATION:</b> Did the device work as expected?</p>
usb-c/insert	blocker	<p><b>PURPOSE:</b> This test will check that the system correctly detects the insertion of a USB 3 storage device in a USB Type-C connector</p> <p><b>STEPS:</b> 1. Commence the test 2. Connect a USB 3 storage device to a USB Type-C port 3. Do not unplug the device after the test.</p> <p><b>VERIFICATION:</b> The verification of this test is automated. Do not change the automatically selected result.</p>
usb-c/remove	blocker	<p><b>PURPOSE:</b> This test will check that the system correctly detects the removal of a USB 3 storage device connected to a USB Type-C port.</p> <p><b>STEPS:</b> 1. Commence the test 2. Disconnect a USB 3 storage device to a USB Type-C port</p> <p><b>VERIFICATION:</b> The verification of this test is automated. Do not change the automatically selected result.</p>
usb-c/storage-automated	blocker	This test is automated and executes after the usb-c/insert test is run.
usb/HID	blocker	<p><b>PURPOSE:</b> This test will check that you can use a USB HID device</p> <p><b>STEPS:</b> 1. Enable either a USB mouse or keyboard 2. For mice, perform actions such as moving the pointer, right and left button clicks and double clicks 3. For keyboards, commence the test to launch a small tool. Type some text and close the tool.</p> <p><b>VERIFICATION:</b> Did the device work as expected?</p>
usb/detect	blocker	Detects and shows USB devices attached to this system.
usb/insert	blocker	<p><b>PURPOSE:</b> Check system can detect USB 2.0 storage when inserted</p> <p><b>STEPS:</b> 1. Press continue 2. Wait until the message "INSERT NOW" is printed on the screen 3. Connect USB 2.0 storage device</p> <p><b>VERIFICATION:</b> The verification of this test is automated. Do not change the automatically selected result.</p>

## 18.04 Client Certification Tests

Name	Certification status	Description
usb/remove	blocker	<p>PURPOSE: Check system can detect removal of a USB 2.0 storage device</p> <p>STEPS: 1. Press continue 2. Wait until the message "REMOVE NOW" is printed on the screen 3. Disconnect USB 2.0 storage device</p> <p>VERIFICATION: The verification of this test is automated. Do not change the automatically selected result.</p>
usb/storage-automated	blocker	<p>PURPOSE: Check system can read/write to USB 2.0 storage correctly</p> <p>STEPS: 1. This task is fully automatic and need USB 2.0 insertion test was applied first.</p> <p>VERIFICATION: This task is fully automatic and will verify the result for you.</p>
usb3/insert	blocker	<p>PURPOSE: Check system can detect insertion of a USB 3.0 storage device</p> <p>STEPS: 1. Press continue 2. Wait until the message "INSERT NOW" is printed on the screen 3. Connect USB 3.0 storage device</p> <p>VERIFICATION: The verification of this test is automated. Do not change the automatically selected result.</p>
usb3/remove	blocker	<p>PURPOSE: Check system can detect removal of a USB 3.0 storage device</p> <p>STEPS: 1. Press continue 2. Wait until the message "REMOVE NOW" is printed on the screen 3. Disconnect USB 3.0 storage device</p> <p>VERIFICATION: The verification of this test is automated. Do not change the automatically selected result.</p>
usb3/storage-automated	blocker	<p>PURPOSE: Check system can read/write to USB 3.0 storage devices correctly</p> <p>STEPS: 1. This task is fully automatic and need USB 3.0 insertion test was applied first.</p> <p>VERIFICATION: This task is fully automatic and will verify the result for you.</p>

### Wireless networking tests

after-suspend-manual-wireless/wireless_connection_open_ac_nm_INTERFACE	blocker	<p>PURPOSE: Check system can connect to insecure 802.11ac AP</p>
after-suspend-manual-wireless/wireless_connection_open_bg_nm_INTERFACE	blocker	<p>PURPOSE: Check system can connect to insecure 802.11b/g AP</p>
after-suspend-manual-wireless/wireless_connection_open_n_nm_INTERFACE	blocker	<p>PURPOSE: Check system can connect to insecure 802.11n AP</p>
after-suspend-manual-wireless/wireless_connection_wpa_ac_nm_INTERFACE	blocker	<p>PURPOSE: Check system can connect to 802.11ac AP with wpa security</p>
after-suspend-manual-wireless/wireless_connection_wpa_bg_nm_INTERFACE	blocker	<p>PURPOSE: Check system can connect to 802.11b/g AP with wpa security</p>
after-suspend-manual-wireless/wireless_connection_wpa_n_nm_INTERFACE	blocker	<p>PURPOSE: Check system can connect to 802.11n AP with wpa security</p>
wireless/wireless_connection_open_ac_nm_INTERFACE	blocker	<p>PURPOSE: Check system can connect to insecure 802.11ac AP</p>
wireless/wireless_connection_open_bg_nm_INTERFACE	blocker	<p>PURPOSE: Check system can connect to insecure 802.11b/g AP</p>
wireless/wireless_connection_open_n_nm_INTERFACE	blocker	<p>PURPOSE: Check system can connect to insecure 802.11n AP</p>
wireless/wireless_connection_wpa_ac_nm_INTERFACE	blocker	<p>PURPOSE: Check system can connect to 802.11ac AP with wpa security</p>
wireless/wireless_connection_wpa_bg_nm_INTERFACE	blocker	<p>PURPOSE: Check system can connect to 802.11b/g AP with wpa security</p>

## 18.04 Client Certification Tests

Name	Certification status	Description
wireless/wireless_connection_wpa_n_nm_INTERFACE	blocker	PURPOSE: Check system can connect to 802.11n AP with wpa security
wireless/wireless_scanning_INTERFACE	blocker	Check system can find a wireless network AP nearby