# Support Portal

# Userful 9 Change Log

## Userful™ 9.10.2

**October 4, 2018**

- Added UI option to select 'Chrome: App ID' as a browser setting to launch Chrome apps under Web Browser source (15029)
- Added UI option to choose the background color of Tile Welcome Screen (16929)
- Added UI option to select the frame rate for Interactive source content playing on the video wall under Web Browser source (17119)
- Improved performance of content playing on Multi-Window and Picture-In-Picture source (17050)
- Improved video wall performance to reduce network bandwidth usage (17182)
- Improved performance of grid video walls (17209)
- Added an option to backup Storage Settings via Userful Cloud (17213)
- Removed the scaling options from Multi-Window and Picture-In-Picture source (17247)
- Fixed issue where keyboard and mouse do not work with Interactive source content playing on the video wall (17093)
- Fixed issue where keyboard shortcut key (Ctrl + Arrow) does not work as expected for video wall calibration (17130)
- Fixed issue where Interactive Viewer is disabled while moving a video wall zone to an Interactive source from a non-interactive source (17159)
- Fixed issue where inactive zones are listed when creating Start Source and Show Message event via Userful Cloud (17166)
- Fixed issue where Control Center cannot be accessed using localhost if system Proxy Setting is configured under Settings > Network Settings (17194)
- Fixed issue where Onboard display flickers if there is no Intel video card installed (17214)
- Fixed issue where accessing Interactive Viewer via Mirror Group behaves unexpectedly (17234)
- Fixed issue where Session Length shows the unexpected value if configured under Session Management (17248)
- Fixed issue where enabling Intel Offload Support causes low performance (17274)
- Userful Cloud UI improvements (16808, 17025)
- UI improvements to Control Center (17161, 17177, 17183, 17215)

- Minor bug fixes and improvements (17123, 17163)

## Userful™ 9.10.1

**August 16, 2018**

- Added support for ViewSonic(CDM4300T) touchscreen display (17135)
- Added UI option to track organization's Usage Report via Source name in Userful Cloud (17015)
- Added an option where staff user can access Interactive Viewer for the video walls (17090)
- Fixed issue where the position of display loses accuracy while calibrating artistic video wall (17098)
- Fixed issue with user's file permissions (17105)
- Fixed issue where Tile Welcome Screen does not update itself after removing a source from it (17108)
- Optimized Userful Cloud UI for smartphones and tablets (16930, 16999)
- Userful Cloud UI improvements (17071, 17091)
- UI improvements to Control Center (16293, 17087, 17128)
- Minor bug fixes and improvements (16870, 17106)

## Userful™ 9.10

**July 30, 2018**

- Removed the Storage tab and reorganized its contents under Settings > Storage Management (16761, 16887)
- Added UI option to upload the signage content while creating Signage Player source (16810)
- Optimized and stabilized Preset Switching functionality (16783)
- Added UI option to Restart Displays under Support > Troubleshoot (17026)
- Updated UI of Display icons under Control Center (17045)
- Added a feature to Backup and Restore server settings via Userful Cloud (16776, 16853)
- Added UI option to track an organization's usage report via Userful Cloud (16455)

- Added UI option to log usernames to Usage Reports under Userful Cloud (16276)
- Updated Standard license tier to allow an unlimited number of 2x2 and 3x3 video walls (16731)
- Updated UI for Video Wall Zone Settings dialog window to improve its usability (15901)
- Added more resolution options to Max Canvas Size drop-down under Video Wall Zone Settings (16637)
- Added an ability to create a maximum of 500 sources via Control Center (16448)
- Added an API call to restart Userful Control Center (16735)
- Renamed API calls from /playAssignedSource to /play for displays, mirror groups, and zones (16866)
- Added UI option to show system diagnostics on the Initial Setup screen (16537)
- Added UI option to hide system diagnostic message(s) inside diagnostics pop-up window (16677)
- Added system diagnostic to notify users if Userful TURN Server is not accessible (16478)
- Added system diagnostic to notify users if the Secure boot is enabled (16538)
- Updated the behavior of Onboard Display to automatically start Auto Login source (16819)
- Updated the behavior of Mirror Groups to add and remove stand-alone displays from it, without disrupting other displays of the group (16788)
- Added an option to switch among Presets on the Secondary server in case of failover (16492)
- Updated Standby Display and Show Messages events under Userful Cloud (16687)
- Added an option to add a white-list to the naughtiness level for Web filters under Session Management (16705)
- Updated Rise Vision Player plugin (16546)
- Upgraded GStreamer package to version number 1.12 (16824)
- Updated Google Chrome to latest stable version 67 (16423)
- Updated kernel version to 3.10 (16423)
- Updated LibreOffice to version 6.0 (16709)
- Updated the base OS to CentOS 7.5 (16531)
- Removed the YUAN driver (16777)
- Fixed issue where foreign characters do not work while broadcasting alerts on displays and video walls (16442)
- Fixed issue where Chrome, if set to launch at startup under Cloud Desktop, does not work as expected for a large number of displays (16463)

- Fixed issue where a user is unable to set a schedule while creating the events via Userful Cloud (16576)
- Fixed issue where video wall in the Preset does not load correctly when the associated displays are in the standby status (16582)
- Fixed issue where the web filters can be bypassed under Session Management (16592)
- Fixed issue where a scheduled event in Userful Cloud might not start due to the time zone difference (16659)
- Fixed issue where reported hours in a usage report might not be consistent with the actual usage (16660)
- Fixed issue where online Userful servers are listed as offline under Userful Cloud (16665)
- Fixed issue where UI of the Tile Welcome screen does not adjust itself for portrait orientation (16666)
- Fixed issue where uploading files via Userful Cloud might not work as expected (16667, 16669)
- Fixed issue where uploading an empty file via Userful Cloud results in error (16668)
- Fixed issue where Failover does not happen correctly if the displays originally belong to the Secondary server (16706)
- Fixed issue where accessing Control Center via Cloud gives an error if Control Center takes too long to respond (16707)
- Fixed issue where source switching does not work via REST API command (16787)
- Fixed issue where Blackmagic capture source shows the black screen after capture device restarts (16803)
- Fixed issue where Start Source and Show Messages events do not work under Userful Cloud if video wall contains standby displays (16832)
- Fixed issue where Multi-Window source mapped to video wall gets stuck at Welcome Screen after changing (e.g. removing and adding) the related sources (16899)
- Fixed issue where Multi-Window source running in a Mirror Group Configuration, does not play the correct content after changing the related sources (16296)
- Fixed issue where print dialog box does not show up under Web Browser source (16974)
- Session Management UI improvements (16513)
- Userful Cloud UI improvements (16640, 16768, 16689)
- UCC UI improvements (15878, 16770, 16812, 16900)
- Minor bug fixes and improvements to Userful Cloud (16535)
- Minor bug fixes and improvements (16423)

# Userful™ 9.9.1

**April 27, 2019**

- Added an option to mount USB Storage devices from certain interactive sources like Linux Desktop, Cloud Desktop etc. (16388)
- Updated UI of Picture-In-Picture source to input width and height while configuring inset source(s) (16597)
- Fixed issue where logging out through Inactivity/privacy logout option under Session Management makes keyboards unresponsive (16431)
- Fixed issue where mapping a video wall to a source without assigning displays to it gives an error (16541)
- Fixed issue where occasionally correct videowall data do not get copied from primary to secondary host in case of Failover (16574)
- Fixed issue where dragging a source to existing Tile Welcome Screen does not update the content on the associated display (16575)
- Fixed issue where dragging a source with an assigned video wall to Traditional Welcome Screen updates the video wall content without clicking Apply button (16577)
- Fixed issue where mapping a display to RDP Client source does not show the expected content (16595)
- Fixed issue where overlapped video wall zones do not work as expected for interactive sources (e.g., Linux Desktop etc.) (16608)
- Fixed issue where launching Interactive Viewer occasionally shows error and gets stuck while loading (16618)
- Fixed issue where video wall's Control Display playing Web Browser source shows blank screen after Failover (16636)
- Fixed issue where overlapped video wall zones with similar Control Display mapped to Tile-based Welcome Screen do not show expected content (16639)
- Updated certain non-English language translations (16391)
- Control Center UI improvements (16578, 16579, 16627)
- Minor bug fixes and improvements (16472)

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# Userful™ 9.9

**April 11, 2019**

- Added an option to easily re-number display(s) by clicking "Show IDs" (16500)
- Added an option to interact with sources within Multi-Window and Picture-In-Picture by exposing virtual displays (16392)
- Added an option to configure automatic or manual failback setting (16499)
- Added an option to upload icons and images for welcome screen logo and screensaver (16251)
- Added "Try again" button in the Initial Setup screen if claim code is not generated (16326)
- Added API calls for video playback control (16460)
- Added support for various resolutions for USB webcam (16185)
- Added an option to launch USB webcam viewer in a separate window (16242)
- Added an option to rotate USB webcam (16302)
- Added an option to auto-launch USB webcam via URL (16328)
- Added an option to view the connected USB webcam from Userful Cloud (15992)
- Added a diagnostic alert to warn if non-zero client devices are plugged into an isolated Userful network (15324)
- Added a diagnostic alert to show a message if the server is not registered to Userful Cloud (15857)
- Added a diagnostic alert to show a message if Cloud subscription is expired or about to expire (15858)
- Added a diagnostic alert to show a message prior to maintenance and support contract expiry date (16324)
- Updated diagnostic alert to not show the network latency warning if no network zero clients are connected (16323)
- Added an option to allow special characters when changing display's name under Control Center > Displays (15573)
- Updated Cloud Desktop source to refresh the list of installed programs every time source dialog is opened (16248)
- Enabled Direct Decode by default to utilize Nvidia hardware decoding capabilities (16462)
- Enabled "Use Touch Events instead of Mouse Events" setting by default for Onscreen Keyboard (16397)
- Enabled Num Lock by default for the interactive sessions (16258)
- Updated Web Browser source to remove 3D support option (16407)
- Updated Control Center icon under Linux Desktop to launch web browser (15574)
- Optimized system to reduce source switching time for the large video walls (16310)

- Improved Control Center usability by allowing scrolling while holding a display or a zone (16432)
- Improved Failover process for added stability (15591)
- Added various features to Userful Cloud (16410)
- Improved system security (16419, 16350)
- Improved Session Management feature (16259)
- Improved USB webcam feature (16210, 16338, 16403, 16426, 16446, 16479, 16468)
- Updated Control Center to render properly in iOS devices (16074)
- Updated default icons for various sources (16484)
- Updated pre-configured sources on the default Mapping screen (16311)
- Improved UI and usability for Interactive Viewer (16402, 16405)
- Improved media player package (16231)
- Updated Nvidia driver packages (16182)
- Updated Google Chrome to latest stable version 65 (16100)
- Fixed issue where users need to refresh the webcam after a preset switch occurs (16190)
- Fixed Web Browser: Chrome Kiosk source where sessions always default to Google (16249)
- Fixed issue where occasionally some displays do not start looking for the display numbers (16305)
- Fixed issue where a video wall can consume a lot of memory during long-term video playback (16309)
- Fixed issue where onscreen Keyboard may not work in some cases (16075)
- Fixed issue where session time limit is being overwritten by authentication time limit (16337)
- Fixed issue where resetting zero client(s) shows an error (16365)
- Fixed issue where adding icons to Cloud Desktop launcher shows an error (16379)
- Fixed issue where Control Center doesn't update the VPN IP address (16399)
- Fixed issue where Multi-Window welcome screen sessions fail to start (16400)
- Fixed issue where Source Switcher cannot select mirror groups that have a video wall (16406)
- Fixed issue where Source Switcher does not display the last source (16421)
- Fixed issue where moving selected displays to unmapped area shows an error (16415)
- Fixed issue where video wall calibration may not close properly (16420)
- Fixed issue where more than one network card can clutter the Initial Setup screen UI (16427)
- Fixed issue where display in a video wall may not wake up from DPMS (16428)

- Fixed issue where switching a preset with Video Capture source shows an error (16439)
- Fixed an issue where a video wall zone does not differentiate between control display (16440)
- Fixed issue where a zone does not play if it is a part of another zone (16444)
- Fixed issue where pause and resume API calls do not work properly with the images (16476)
- Fixed issue where remapping a video wall from Signage source to Web Browser sources shows error on Primary host in case of Failover (16521)
- Control Center UI improvements (16396, 16291)
- Minor bug fixes and improvements (16100)

## Userful™ 9.8.1

**March 2, 2018**

- Improved the Initial setup process to make it more user friendly (16341)
- Fixed issue where text color does not change while configuring Tile Welcome Screen (16316)
- Fixed issue where large video walls don't start promptly (16327)
- Fixed issue where certain settings of deleted video wall displays become uneditable (16331)
- Fixed issue where switching among sources takes longer than expected on large video walls (16334)
- Fixed issue where display playing Picture-in-Picture source with interactive and non-interactive sources does not recover after resetting display (16347)
- Minor bug fixes and improvements (16335, 16321))

## Userful™ 9.8

**February 20, 2018**

- Certified ThinGlobal MiniPoint DS and DS Lite zero clients (15844)
- Certified ThinGlobal Kiosk (LTY0HN18-TG-K) (15975)
- Improved Userful's video wall engine (16079)
- Added support for Userful Cloud to manage your installs over the Internet (15882)

- Updated Initial Setup process to register your servers on Userful Cloud (16230)
- Removed Virtual Machine source and VMs features (16207)
- Added support for USB webcams to monitor your displays (16098)
- Updated the launch panel for Cloud Desktop (15685)
- Added support to install Userful appliance on UEFI enabled BIOS (15909)
- Added support for VP9 video codec format (16028)
- Increased the range of RGB values for color calibration (16166)
- Improved the process of web filters under Session Management (15941)
- Added system diagnostic to notify users to reboot Userful host after updating (16021)
- Added system diagnostic to notify users if supported GPU is not detected in the system (16063)
- Added an API call to pause and resume the display running Signage content (15968)
- Added an API call to pause and resume the video wall zone running Signage content (15968)
- Improved UI for Tile-based Welcome screen (16003, 16062, 16176)
- Added UI option to customize display's resolution under Display Settings (16000)
- Added UI option to distinguish among the failed over displays on the backup host during Failover (16243)
- Added UI option to select language for Tile-based Welcome Screen (16193)
- Added UI option to end the session through Session Management timer (16005)
- Updated UI for initial video tutorial dialog window to make it more user friendly (16008)
- Updated Blackmagic DeckLink driver to version 10.9.10 (16234)
- Updated Nvidia driver packages (16228)
- Fixed issue where Multi-Window, Picture-in-Picture and Shelf-Vision Player does not allow playing image files (16036)
- Fixed issue where Control Center gives warning when restarting a time bound session under Session Management (16057)
- Fixed issue where clicking Resolve on Extra Signage Player Codec system diagnostic gives a warning message (16126)
- Fixed issue where Multi-Window and Picture-In-Picture session show black borders (16146)
- Fixed issue where color calibration process does not work as expected (16157)
- Fixed issue where inactivity logout option does not work for browser kiosk sessions under Session Management (16170)
- Fixed issue where audio desyncs while playing signage player content (16250)
- Fixed issue where display is stuck at spinner after closing video wall calibration screen (16252)

- Fixed issue where audio does not work when switching among Signage Player and Interactive source (e.g. Linux Desktop) (16275)
- Fixed issue where large video wall takes longer than usual to switch between sources (16307)
- Session Management UI improvements (16005, 16144, 16187, 16266)
- UCC UI improvements (15442, 16008, 16237)
- Minor bug fixes and improvements (15394)

# Userful™ 9.7

**December 19, 2017**

- Added support for Nvidia Quadro P series offload cards (15760)
- Integrated VNC Viewer source to share desktops (15896, 15952)
- Integrated Shelf-Vision source to play the content on display strips (15924, 15826)
- Optimized video wall calibration process for large size video walls to enhance their stability (15789)
- Added UI option to enable Intel GPU under Performance Settings where Nvidia is not available (15922, 15935)
- Optimized Blackmagic capture card setup process to make it more convenient (15581)
- Updated "Extra Signage Player Codecs" system diagnostics, where clicking the "Resolve" link installs the required packages (15928)
- Added "Limited Functionality Browser" system diagnostic to appear if user access Control Center through default Python browser (15940)
- Updated Ultimate license tier to make Interactive Viewer and Preset Switcher available in the default install (15915)
- Updated Online Video Tutorials link under Control Center > Support (15398)
- Optimized Web Filter under Session Management (15828)
- Updated onboard display to always show Welcome screen with Control Center gear icon (15444)
- Improved Tile-based Welcome Screen UI (15908)
- Added UI option to select foreign language under Welcome Screen (14805)
- Added UI option to show customized fields for login credentials under Session Management (15053)

- Added UI option to show the display manufacturer's name and zero client's serial number under Display Settings dialog window (15636, 15799)
- Added UI option on specific sources to aware users to enable Mirror Group (15782)
- Added UI option to show spinner before loading content on the video wall (15806)
- Updated base OS to CentOS 7.4 (15637)
- Updated SMSC driver to version number 2.8.222 (15712)
- Upgraded GStreamer package to version number 1.12.3 (15902)
- Fixed issue where switching video wall to grid layout is not achievable after an artistic video wall is created (10883)
- Fixed issue where lowering the display resolution of 1080p monitor to 640x480 causes black screen (12562)
- Fixed issue where Control Center does not reflect correct network settings when system is configured using DHCP (12950)
- Fixed issue where transitioning from Video Capture source to other source causes loss of audio (13305)
- Fixed issue where switching overlapped video wall zones among different sources causes already playing video wall to restart, if Direct Sync is enabled (13384)
- Fixed issue where dragging the un-maximized Chrome window inside Interactive Viewer disconnects the corresponding session (14995)
- Fixed issue where deleting a video wall loaded via preset switching causes displays to freeze (15697)
- Fixed issue where displays do not appear under Displays tab after updating a system through Control Center (15739)
- Fixed issue where h.265 video does not play when Direct Sync is enabled (15765)
- Fixed issue where Tile-based Welcome Screen occasionally shows white screen (15783)
- Fixed issue where cache error does not disappear until users clicks OK button (15835)
- Fixed issue where Control Center's initial page does not load at correct layout (15850)
- Fixed issue where standalone display playing web content through Chrome Kiosk does not work as expected (15877)
- Fixed issue where Tile-based Welcome Screen does not accept '.png' file as the logo path (15886)
- Fixed issue where initial video tutorial pops even when "Do not show this again" option is enabled under default Python browser (15888)
- Fixed issue where license activation process times out even when internet is connected (15927)
- Updated certain non-English language translations for Control Center UI (15845)

- Session Management UI improvements (15787, 15884, 16004)
- Control Center UI improvements (15906, 15917)
- Minor bug fixes and improvements (15396, 15399)

## Userful™ 9.6.2

**November 20, 2017**

- Fixed issue where clicking gear icon on Welcome Screen does not launch Control Center (15837)
- Stability and UI improvements (15397)

## Userful™ 9.6.1

**October 30, 2017**

- Added UI options to customize colors for Tile-based Welcome Screen (15822)
- Optimized Tile-based Welcome Screen for faster performance (15786)
- Fixed issue where changes do not apply while calibrating a large video wall (15763)
- Fixed issue where updating Userful host does not work as expected (15767)
- Fixed issue where Session Management > Web Filters do not apply correctly to the related sources (15768)
- Fixed issue where "Do not show this message again" checkbox on the Intro video does not work under Firefox (15774)
- Fixed issue where deleting a source cause an error if "Welcome Screen" is enabled under Control Center > Mapping (15805)
- Updated clause 4.1 of EULA (15820)
- Improved video playback stability (15773)
- Minor bug fixes and improvements (15398, 15808)

## Userful™ 9.6

**October 17, 2017**

- Added Picture-in-Picture source to play multiple content streams in inset windows whereas main content plays in the background (15357, 15672)
- Added UI option to enable Tile-based Welcome Screen under Mapping tab (15124, 15628)
- Added UI option to Log in / Log out from user session under Display Settings (14155)
- Added UI option to activate screensaver for certain sources under Settings tab (15692)
- Added UI option to enable large print mode under Session Management (14806)
- Added UI option to enable On-Screen Keyboard under Session Management (14005)
- Updated Source Switcher UI to provide a fresh look and improve usability (15628)
- Added support for Master PDF Editor (15532)
- Integrated a video tutorial after the initial login screen to get an insight about UCC (14866)
- Enabled various shortcuts to achieve pixel-perfect video wall calibration (14606)
- Improved failover process to make it more robust (15547)
- Introduced a new licensing tier "Creative" for Artistic Video Walls (15668)
- Updated Remote Control Settings features to the appropriate licensing or subscription tier (15695)
- Updated Professional license tier to support a maximum of 3 video wall zones per system (15613)
- Updated Preset Switcher to check license tier before enabling switching among presets (15614)
- Updated Standard license tier to support no more than one grid video wall of max size 2x2 per system (15695)
- Updated System Diagnostics to show an option under UCC if the Maintenance & Support Contract is expired (15669)
- Updated Mirror Group to enable automatically if multiple displays are mapped to Multi-Window, Picture-In-Picture, Capture and Streamer sources (15506)
- Added Arabic language translations (15106)
- Updated Google Chrome to latest stable version 61 (15631)
- Fixed issue where a video does not start smoothly when Direct Decode is enabled (15177)
- Fixed issue where RTSP Streamer source does not work as expected if it is a part of with Multi-Window source (15419)
- Fixed issue where mapping a display/video wall to a Multi-Window source does not show full-screen content with Nvidia Offload enabled (15437)
- Fixed issue where backup host does not proceed with the failover process until all the displays show orphaned state (15460)

- Fixed issue where network disruptions to RTSP stream playing through Multi-Window causes freezing of content (15469)
- Fixed issue where combining RTSP source with indirect source through Multi-Window causes indirect source content playing at low frame rate (15470)
- Fixed issue where UCC shows error while creating Web Filter under Session Management (15491)
- Fixed issue where the same browser cannot be used to configure failover settings of primary and backup host (15495)
- Fixed issue where changing name/location of a display is not implemented correctly (15496)
- Fixed issue where Multi-Window source including other indirect sources does not work as expected (15505)
- Fixed issue where certain source (e.g., RTSP Streamer, Multi-Window, Blackmagic Capture) does not work as expected when multiple displays/video walls are assigned to same source (15506)
- Fixed issue where browser-based 3rd party CMSs do not work as expected (15514)
- Fixed issue where backup host shows error while returning displays back to the primary host after failover process (15526)
- Fixed issue where audio does not work with RTSP Streamer source (15528)
- Fixed issue where backup host does not play the correct mapping configuration after the process of failover (15530)
- Fixed issue where displays freeze while switching from a preset with Multi-Window source to a preset with video wall (15533)
- Fixed issue where Multi-Window including RTSP Streamer source does not start if corresponding stream is unavailable (15539)
- Fixed issue where closing Interactive Viewer window freezes other open Interactive Viewer windows on separate browsers for the same Userful host (15545)
- Fixed issue where some overlapped video wall zones do not play the signage content after they become part of mirror group (15558)
- Fixed issue where deleted source still exists on Source Switcher UI and shows an error upon selection (15567)
- Fixed issue where rotated standalone displays do not play the expected content after they become part of mirror group (15583)
- Fixed issue where remapping an overlapped video wall zone does not play the correct content after the zones are assigned to a mirror group (15587)
- Fixed issue where audio does not work with YUAN capture cards (15617)

- Fixed issue where video wall cannot play its signage content after adding it to a Multi-Window source (15623)
- Fixed issue where displays occasionally show incorrect native resolution (15642)
- Fixed issue where the static image in the signage playlist does not display as per slideshow interval (15689)
- Updated non-English language translations for Control Center UI (15395)
- Optimized UI for smartphones and tablets (15522, 15656)
- Session Management UI improvements (14003, 14004, 14009)
- UCC UI changes (15463, 15535, 15720, 15726)
- Minor bug fixes and stability improvements (15400, 15579, 15580)

## Userful™ 9.5

**August 2, 2017**

- Added support for 7th Generation Intel® "Kaby Lake" processors (15010)
- Added support for Nvidia "GeForce GTX 1080Ti" graphics card (14892)
- Added support for high bit-rate 8K resolution content (14540)
- Added feature to subdivide displays/video walls to show multiple content streams running simultaneously, through *Multi-Window* source (14695, 15387)
- Added feature to play video feeds over network through *RTSP Streamer* source (15290)
- Added Web Filtering under Session Management to restrict access to inappropriate web content (15339, 15329)
- Added *Direct Decode* option to enhance performance for 8k video playback under *Performance Settings* (15094)
- Added UI option to optimize the rendering of text or image under *Video Wall Zone Settings* (14614)
- Added UI option to enable 3D graphics support for Web Browser and certain third-party CMS sources (14898)
- Added UI option to calibrate colors for standalone displays under *Display Settings* (15103)
- Added UI option to upload files to "/shared-files/signage" folder under Control Center > Storage (15473)
- Listed display's native resolution to the current resolution list (15175)

- Updated UI to overlay a mouse and speaker icon on the control display of a video wall (15293)
- Added ability to show IDs on the displays during video wall calibration (15315)
- Enabled shortcuts to switch between displays during video wall calibration (15266)
- Improved UI to highlight the selected displays during video wall calibration (15383)
- Increased the zoom-out limit to support large layout during video wall calibration (15054)
- Added warning message to appear when multiple displays/video walls are playing same content outside of mirror group (15126)
- Added System Diagnostics for Network Bandwidth (14955)
- Updated System Diagnostics to show timestamp when the last check was performed (14954)
- Updated the process of various diagnostic alerts to appear if the associated event occurs (15008, 14921)
- Updated System Diagnostics notification message for GPU (14734)
- Added a link to video tutorials under Control Center > Support (15091)
- Integrated power management functionality via Userful API (14820)
- Added feature to download Userful logs if the Internet is not available (15283)
- Updated Google Chrome to version 59 (15228)
- Updated Firefox to version 52 (15227)
- Updated VirtualBox version to 5.1.24 (15378)
- Updated Rise Vision Player plugin (15451)
- Fixed issue where displays playing indirect source content freeze (12249)
- Fixed issue where Audio-In of cloned Virtual Machines does not work on Atrust m320 displays (13960)
- Fixed issue where capturing of more than 10 concurrent external devices is not supported through one Userful host (14617)
- Fixed issue where hot plugging the zero client device stops the video wall playback (14884)
- Fixed issue where Stop button on Source Switcher does not work as expected (14887)
- Fixed issue where Control Center shows error when opening *System Diagnostics* page (14980)
- Fixed issue where custom resolution of a video wall display changes after system reboot (14988, 14993)
- Fixed issue where Nvidia GPU accelerated *artistic video wall* do not play the content at maximum possible resolution (14994)
- Fixed issue where sound does not sync with video playback (15022)

- Fixed issue where Interactive Viewer page fails to load (15031)
- Fixed issue where color calibration does not work if Direct Sync is enabled (15055)
- Fixed issue where staff user can rotate stand-alone displays (15057)
- Fixed issue where assigning a video wall to a signage source restarts other video wall playing web content (15102)
- Fixed issue where nag message appears twice on an unlicensed system (15112)
- Fixed issue where unlicensed message appears on alternate videos if Nvidia support is enabled (15122)
- Fixed issue where the display or video wall do not return back to the default welcome screen when deleting associated source (15157)
- Fixed issue where Link Status under Settings > Network Settings does not display the correct value (15162)
- Fixed issue where Signage playlist containing static images with a period (.) in the file name do not show consistent playback (15176)
- Fixed issue where video wall does not show nag screen when the license expires (15191)
- Fixed issue where video wall mapped to web browser source does not show correct resolution (15204)
- Fixed issue where license details do not give the correct results when called via Userful API (15223)
- Fixed issue where standalone display rotation does not work when display is using native resolution (15229)
- Fixed issue where "Join Group" option is not available for backup host after creating failover group (15231)
- Fixed issue where displays do not show correct status after rebooting system with large number of displays (15260)
- Fixed issue where keyboard arrow keys do not work as expected while calibrating video walls (15269)
- Fixed issue where system gives warning while switching a network interface from automatic to manual configuration (15274)
- Fixed issue where Proxy settings do not work for Firefox browser under *Session Management* (15302)
- Fixed issue where video wall does not show full output when mapped to an indirect source (15335)
- Fixed issue where Source Switcher anchor tag does not work as expected (15343)
- Fixed issue where capturing Blackmagic source on an artistic video wall does not work as expected (15349)

- Fixed issue where remote VPN is not able to connect with the server (15351)
- Fixed issue where displays do not failback to the primary host (15421)
- Fixed issue where certain API calls related to displays do not work as expected (15434)
- Fixed issue where unmapping a display playing signage content does not show the default content with Direct Sync and Nvidia Support enabled (15482)
- Updated translation strings for Control Center UI (15379)
- Optimized UI for smartphones and tablets (15299, 15389)
- UCC UI improvements (15126, 15150, 15198, 15277, 15314)
- Minor bug fixes and stability improvements (14999, 14785)

## Userful™ 9.1.2

**April 19, 2017**

- Updated Userful API documentation URL to *http://[Userful host IP Address]/userful-api.html* (14724)
- Fixed issue where system diagnostics do not give notification if Userful host is not connected to gigabit ethernet connection (14948)
- Fixed issue where changing the Rotation while configuring Display Settings of an Artistic video wall has no effect on the display (14953)
- Fixed issue where Preset feature do not work as expected in the absence of default source (14960)
- Fixed issue where configuring an existing video wall cause black screen on associated displays (14966)
- Fixed issue where Intel GPU accelerated video walls do not start (14975)
- Fixed issue where rebooting the system changes configured display resolution to preferred resolution (14993)
- Minor UI improvements (14905, 14913, 14974, 14982)
- Minor bug fixes and stability improvements (14971, 14984)

## Userful™ 9.1.1

**April 5, 2017**

- Fixed issue where stand-alone display shows black screen when mapped to a capture source (14774)

- Fixed issue where rotated stand-alone display and video walls report the incorrect resolution (14886, 14900)
- Fixed issue where Control Center shows error on creating a video wall without assigned displays (14904)
- Fixed issue where video wall shows an error message after switching to a preset configuration (14906)
- Fixed issue where video wall shows zoomed output on certain displays while using a capture source (14907)
- Minor bug fixes and improvements (14930)

## Userful™ 9.1

**March 24, 2017**

- Enhanced the rendering quality of artistic video walls (14676)
- Optimized for the calibration time of large size video walls (13914)
- Added stability to Preset Switcher (14843)
- Enhanced the stability of video wall when zero client device is reset (14598)
- Updated sample media content to include 60 fps video (14657)
- Updated System Diagnostics for Hardware Virtualization to appear when Virtual Machine (VDI) source is present (14763)
- Reorganized Performance Settings under Control Center > Settings (14849)
- Updated stand-alone display rotation to reset if display is a part of video wall (14862)
- Upgraded Google Chrome to latest version 57 (14556)
- Fixed issue where resetting a display playing signage content with Direct Sync disabled restarts all other displays under same source (14034)
- Fixed issue where resetting a display assigned to video wall with Direct Sync enabled restarts video playback (14278)
- Fixed issue where assign and un-assign displays does not respond (14703)
- Fixed issue where all displays except Control Display assigned to video wall show white screen, on backup host after failover (14706)
- Fixed issue where switching source between overlapped zones through Source Switcher UI does not update the content (14708)
- Fixed issue where displays assigned to overlapped zones created on the primary host show blank screen on the backup host after failover (14713)

- Fixed issue where UCC does not respond while rotating grid video wall without any assigned display (14728)
- Fixed issue where UCC shows error and disconnected displays don't appear in UCC when updating Userful host machine (14729)
- Fixed issue where multiple users are unable to launch appropriate session through Interactive Viewer (14739)
- Fixed issue where Preset Switcher and Source Switcher work slow without internet connection (14741)
- Fixed issue where UCC shows warning message while changing preset through Preset Switcher UI (14751)
- Fixed issue where video wall playback do not start when launched through Preset Switcher UI, if Userful host is a part of failover group (14752)
- Fixed issue where switching preset from signage player to web browser source does not update the content on the video wall (14753)
- Fixed issue where mirror group with indirect source keep on restarting welcome screen (14757)
- Fixed issue where UCC shows error when changing name of the source to which a video wall with un-assigned displays is mapped (14761)
- Fixed issue where UCC shows warning message while clicking play/pause button after adding a column to a video wall playing signage content (14765)
- Fixed issue where displays freeze and do not return to unmapped area after stopping an existing zone and then deleting the video wall (14786)
- Fixed issue where video wall zones with different Control Display do not play updated content after changing the presets (14801)
- Fixed issue where all the displays assigned to overlapped video wall zones with different control display and mapped to indirect sources do not play correct content while changing presets (14815)
- Fixed issue where video wall calibration does not work with Nvidia support enabled (14816)
- Fixed issue where some displays of video wall mapped to signage source do not stop video wall playback while changing the presets (14827)
- Fixed issue where display rotated 90 degree clockwise under Mapping > Display Settings and mapped to signage source show blank screen (14836)
- Fixed issue where assigning and playing a video wall or zone to UI Evolution source restarts existing video wall under same source (14846)
- Fixed issue where remapping a display playing signage content to web browser source does not update the content after reset (14850)

- Fixed issue where video wall mapped to indirect source plays in the wrong size when the loading the corresponding preset (14891)
- Updated translation strings for Control Center UI (14770, 14773, 14775, 14783, 14856, 14857, 14865)
- Minor UI improvements (14465, 14569, 14717, 14737, 14759, 14853, 14873)
- Minor bug fixes and improvements (14556)

# Userful™ 9.0

**February 23, 2017**

- Updated User Interface to enhance the usability and improve the cross-browser and cross-platform compatibility (14381)
- Added support for tablet and mobile browsers (14381)
- Applied new naming conventions to Userful™ to make product more compatible with standard industry names (14149)
- Added support for REST API as a powerful tool to programmatically interact with Userful (13161)
- Added Interactive Viewer feature to allow users to remotely interact with the dynamic content being played on video wall and stand alone displays (13923, 14135)
- Added support to rotate individual stand-alone display(s) (14239)
- Updated Preset Settings to Remote Control Settings under Control Center > Settings (14481)
- Optimized switching of content and zones to reduce the switching time (14461)
- Enabled Direct Sync feature by default to improve the system performance (14326)
- Added retest button to all diagnostics (14269)
- Enhanced VDI Setup diagnostic message to appear only if Virtual Machine source is present under mapping screen (14328)
- Added UI option "Show Welcome Screen" to allow users to launch the sources manually, when associated displays start (14289)
- Added an option to select the connection type while creating Blackmagic DeckLink Capture source (14307)
- Updated Blackmagic and Video capture plugin so that empty crop fields (left, right, top and bottom) do not break playback (14237)
- Enhanced the setup options on Control Center's first-run welcome screen (14329)

- Updated sample media content (14220)
- Added an option to perform scheduled reboot (14386)
- Added an option to view Display Settings under Control Center > Displays (14432)
- Moved Broadcast Alerts and Zero-Client Configuration under Control Center > Settings (14149, 14523)
- Updated base OS to CentOS 7.3 (14346)
- Updated Rise Vision Player plugin to improve performance (14222)
- Updated Google Chrome and Firefox to a stable version (14515)
- Updated Signagelive plugin (14495)
- Upgraded GStreamer package to version 1.10.2 (14226)
- Updated media player package to resolve video playback issue (14574)
- Fixed issue where clicking cancel button does not discard color calibration changes while calibrating video wall with Direct Sync disabled (12327)
- Fixed issue where calibration process crashes on large video walls (10x10) (12987)
- Fixed issue where cache message appears while login to UCC from multiple tabs using same browser and different browsers (13294)
- Fixed issue where display connected with HDMI cable to ThinGlobal Zero client drops when video wall is paused with Direct Sync enabled (13482)
- Fixed issue where installing large packages through Control Center is unreliable (13513)
- Fixed issue where input randomly drops and shows a blank screen while using IP4K Blackmagic Capture card with Direct Sync enabled (13396)
- Fixed issue where USB mouse and keyboard does not work with Windows 7 VDI session (13693)
- Fixed issue where user cannot input text in with Chrome browser kiosk mode using Session Management (14008)
- Fixed issue where error message appears while using some models of hp printer with Userful host (14028)
- Fixed issue where changing the DHCP settings takes several seconds to apply (14167)
- Fixed issue where switching source for the overlapped video wall zone cause the zone to restart (14176)
- Fixed issue where display goes to the unmapped area when video wall zone is restored from saved preset (14188)
- Fixed issue where Direct sync feature without Nvidia Offload is not supported with Blackmagic DeckLink Capture source (14232)
- Fixed issue where remapping the display from a deleted artistic video wall to another source preserves the state of rotation on the display (14238)

- Fixed issue when video wall play/stop button becomes inactive after changing the license (14247)
- Fixed issue where display assigned to a source created under welcome screen does not start with Mirror Group enabled (14264)
- Fixed issue where diagnostics test for Display Network shows incorrect notification message (14315)
- Fixed issue where unmapped video wall is not created on backup host after failover (14324)
- Fixed issue where some connected network zero client displays may appear to be offline when logged in after rebooting Userful host (14341)
- Fixed translation strings issues for Control Center UI (14417)
- Fixed issue where sources with the same name can be created (14422)
- Fixed issue where assigning a display to a signage source shows black screen with Direct Sync enabled and Nvidia Offload Support disabled (14436)
- Fixed issue where videowall mapped to Web Browser source is not restored after being paused (14453)
- Fixed issue where all input ports might not work while using multiple Blackmagic Decklink Quad 2 Capture cards in a system (14456)
- Fixed issue where video wall calibration screen do not show on existing video walls using Intel GPU Offload (14458)
- Fixed issue where display(s) playing signage source do not restart after creating a new video wall (14462)
- Fixed issue where UCC does not check the current status of "Show IDs" when it loads (14475)
- Fixed issue where UCC becomes very slow if it has too many video wall zones (14478)
- Fixed issue where displays that are part of overlapped video wall zone freeze on deleting the video wall (14541)
- Fixed issue where changing the scaling option of a running video wall does not take effect until video wall is restarted (14579)
- Fixed issue where locking a new zero client device to the Userful host is not functional (14586)
- Fixed issue where restarting first played overlapped video wall zone mapped to signage player does not play proper content on the displays (14609)
- Fixed issue where occasionally all displays that are part of video wall are not unmapped after deleting a video wall with multiple zones (14615)
- Fixed issue where error pops up while clicking Import VM Image button under Control Center > VMs (14620)

- Fixed issue where reboot fixes the problem when playing an overlapped video wall zone does not update the content on all the displays (14677)
- Fixed issue where displays are not moving with arrow keys while calibrating video wall under artistic layout (14694)
- Updated translation strings for Control Center UI (14492, 14604, 14638)
- Major Control Center UI improvements (14527)
- Minor UI improvements (13872, 14195, 14198, 14311, 14328, 14497, 14527, 14543, 14568, 14576, 14599, 14610, 14625, 14644)
- Minor bug fixes and stability improvements (13299, 14243)