



Notes for Release 11.09.310

<b>Software:</b>	Version	11.09.310
<b>Release Date</b>	2024-04-04	
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The Release Notes of IGEL OS 11.09.310 are also available in the following format:

readme11.09.310.txt



## Supported Devices 11.09.310

UD2-LX:	UD2-LX 52 UD2-LX 51
UD3-LX:	UD3-LX 60
UD7-LX:	UD7-LX 20

See also Devices Supported by IGEL OS 11.

## Component Versions 11.09.310

### Clients

Amazon WorkSpaces Client	4.1.0
Chromium	122.0.6261.128-1igel1710342739
Cisco JVDI Client	14.3.0
Cisco Webex VDI plugin	44.2.0.28744
Cisco Webex Meetings VDI plugin	42.10.8.14
Cisco Webex Meetings VDI plugin	42.6.11.6
Cisco Webex Meetings VDI plugin	43.6.8.4
Zoom Media Plugin	5.16.10.24420
Zoom Media Plugin	5.17.5.24630
Zoom Media Plugin	5.17.6.24660
Citrix EPA Client	23.10.3
Citrix HDX Realtime Media Engine	2.9.600
Citrix Secure Access Client	23.10.3
Citrix Workspace App	20.10.0.6
Citrix Workspace App	23.09.0.24
Citrix Workspace App	23.11.0.82
deviceTRUST Citrix Channel	23.1.200
Crossmatch DP Citrix Channel	0125
Conky System Monitor	1.12.2-1
ControlUp Agent	8.1.5.500
deskMate Client	2.1.3
DriveLock Agent	22.2.2.42489
EPOS connect	7.7.0.44352
Ericom PowerTerm	14.0.3.71814
Evidian AuthMgr	1.5.8705
Evince PDF Viewer	42.3-0ubuntu3

FabulaTech Plugins	3.10.1.5
FabulaTech USB for Remote Desktop	6.1.3.1
FabulaTech Scanner for Remote Desktop	3.3.0.2
FabulaTech Webcam for Remote Desktop	2.8.11
Firefox	115.9.1
IBM i Access Client Solutions	1.1.9.2
IGEL RDP Client	2.2igel1707744600
IGEL AVD Client	1.1.40igel1708088233
deviceTRUST RDP Channel	23.1.200
Imprivata OneSign ProvelD Embedded	onesign-generic-bootstrap-loader_7.12.0.688624_amd64
IGEL Agent for Imprivata	0.5.4igel1710255518
Lakeside SysTrack Channel	9.0
Login VSI Enterprise	4.8.6
NCP Secure Enterprise Client	6.00_rev29368
NX Client	7.8.2-4igel1685535669
Open VPN	2.6.7-1igel1699864452
Zulu JRE	17.0.10-1
Parallels Client	19.2.0.23906
Spice GTK (Red Hat Virtualization)	0.42-2igel1684932691
Remote Viewer (Red Hat Virtualization)	11.0-2igel1661863477
Usbredir (Red Hat Virtualization)	0.13.0-2igel1677968775
SpeechWrite	1.0
Stratusphere UX Connector ID Key software	6.6.2-3
Systancia AppliDis	6.1.4-17
HP Anyware PCoIP Software Client	23.08.1-22.04
ThinLinc Client	4.16.0-3389
ThinPrint Client	7-7.6.126
Parole Media Player	4.16.0-3igel1686304269

VNC Viewer	1.13.1+igel-igel1697962544
VMware Horizon client	2312-8.12.0-23149323
Voip Client Ekiga	4.0.1-9build1igel1685429059

## Dictation

Diktamen driver for dictation	2017/09/29
Grundig Business Systems dictation driver	0.12/21-12-21
Nuance Audio Extensions for dictation	B308
Olympus driver for dictation	4.0.4
Philips Speech driver	13.2.3

## Signature

Kofax SPVC Citrix Channel	3.1.41.0
signotec Citrix Channel	8.0.10
signotec VCOM Daemon	2.0.0
StepOver TCP Client	2.4.2

## Smartcard

PKCS#11 Library A.E.T. SafeSign	3.6.0.0-AET.000
PKCS#11 Library Athena IDProtect	7-20210902
PKCS#11 Library cryptovision sc/interface	8.0.13
PKCS#11 Library Thales SafeNet	10.8.1050
PKCS#11 Library OpenSC	0.23.0-2igel1699446988
PKCS#11 Library Pointsharp NetID Enterprise	6.9.1.17
PKCS#11 Library Pointsharp NetID Client	1.1.3.37
PKCS#11 Library 90meter	3.0.0.45
Reader Driver ACS CCID	1.1.10-1igel1691506428
Reader Driver HID Global Omnikey	4.3.3
Reader Driver Identive CCID	5.0.35

Reader Driver Identive eHealth200	1.0.5
Reader Driver Identive SCRKBC	5.0.24
Reader Driver MUSCLE CCID	1.5.2-1igel1678006273
Reader Driver REINER SCT cyberJack	3.99.5final.sp14-2igel1686635168
Resource Manager PC/SC Lite	2.0.0-1igel1691065840
Cherry USB2LAN Proxy	3.2.0.3

## System Components

OpenSSL	1.0.2n-1ubuntu5.13igel1686114423
OpenSSL	1.1.1f-1ubuntu2.22
OpenSSL	3.0.2-0ubuntu1.14
OpenSSH Client	9.6p1-2igel1704719299
OpenSSH Server	9.6p1-2igel1704719299
Bluetooth Stack (bluez)	5.71-1igel1704700934
MESA OpenGL Stack	23.1.2-1igel1686636111
VDPAU Library Version	1.5-2igel1677954724
Graphics Driver INTEL	2.99.917+git20210115-1igel1654609037
Graphics Driver ATI/RADEON	19.1.0-3igel1657777718
Graphics Driver ATI/AMDGPU	23.0.0-1igel1677481842
Graphics Driver Nouveau (Nvidia Legacy)	1.0.17-2igel1654608979
Graphics Driver Nvidia	525.125.06-0ubuntu0.22.04.1
Graphics Driver VMware	13.3.0-3igel1654607153
Graphics Driver QXL (Spice)	0.1.6-1igel1687782644
Graphics Driver FBDEV	0.5.0-2igel1654609009
Graphics Driver VESA	2.5.0-1+b1igel1647004096
Input Driver Evdev	2.10.6-2+b1igel1647004239
Input Driver Elographics	1.4.3-1igel1678083379
Input Driver eGalax	2.5.8825
Input Driver Synaptics	1.9.2-1+b1igel1683803726

Input Driver VMMouse	13.1.0-1ubuntu2igel1628499891
Input Driver Wacom	1.2.0-1igel1686600941
Input Driver ELO Multitouch	4.3.0.0
Input Driver ELO Singletouch	5.2
Kernel	6.1.42 #mainline-lxos-g1706791905
Xorg X11 Server	21.1.11-2igel1706715999
Xorg Xephyr	21.1.11-2igel1706715999
CUPS Printing Daemon	2.4.7-1igel1696845343
PrinterLogic	25.1.0.637
Lightdm Graphical Login Manager	1.30.0-0ubuntu5igel1685475374
XFCE4 Window Manager	4.14.5-1~18.04igel1643191202
ISC DHCP Client	4.4.1-2.3ubuntu2.4
NetworkManager	1.42.4-1igel1692869696
ModemManager	1.20.6-2igel1693224023
GStreamer 1.x	1.22.9-1igel1707141227
Gstreamer 1.0 Fluendo aacdec	1.0.1
Gstreamer 1.0 Fluendo asfdemux	1.0.1
Gstreamer 1.0 Fluendo h264dec	1.0.4
Gstreamer 1.0 Fluendo mp3dec	1.0.1
Gstreamer 1.0 Fluendo mpeg4videodec	1.0.1
Gstreamer 1.0 Fluendo vadec	1.0.2
Gstreamer 1.0 Fluendo wmadec	1.0.1
Gstreamer 1.0 Fluendo wmvdec	1.0.1
WebKit2Gtk	2.42.5-1igel1707372108
WebKit2Gtk	2.40.5-1igel1700725614
Python3	3.10.12

## VM Guest Support Components

Virtualbox Guest Utils	7.0.8-dfsg-2igel1682408222
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Virtualbox X11 Guest Utils	7.0.8-dfsg-2igel1682408222
Open VM Tools	12.3.5-3~ubuntu0.22.04.1
Open VM Desktop Tools	12.3.5-3~ubuntu0.22.04.1
Xen Guest Utilities	7.20.2-0ubuntu1~22.04.2
Spice Vdagent	0.22.1-3+b2igel1680584586
Qemu Guest Agent	8.2.1+ds-1igel1706696821

## Features with Limited IGEL Support

Mobile Device Access USB (MTP)	1.1.21-1igel1690183811
Mobile Device Access USB (imobile)	1.3.0-6+b3igel1677964762
Mobile Device Access USB (gphoto)	2.5.30-1igel1677966247
VPN OpenConnect	9.12-1igel1687783022
Scanner support	1.1.1-5
VirtualBox VM within IGEL OS	7.0.8-dfsg-2igel1682408222
Virtual Background for Webcam	

## Services

Service	Size	Reduced Firmware
Asian Language Support	22.0M	Included
Java SE Runtime Environment	54.2M	Included
Citrix StoreFront Citrix Appliance Citrix Workspace app	651.5M	Included
Ericom PowerTerm InterConnect	10.0M	Included
Media Player	256.0K	Included
Local Browser (Firefox) Citrix Appliance	87.0M	Included
RDP VMware Horizon	4.2M	Included
Cendio ThinLinc	11.0M	Included
Printing (Internet printing protocol CUPS)	19.0M	Included
NoMachine NX	27.0M	Included

<b>Service</b>	<b>Size</b>	<b>Reduced Firmware</b>
VMware Horizon	197.0M	Included
Voice over IP (Ekiga)	6.2M	Included
Citrix Appliance	768.0K	Included
NCP Enterprise VPN Client	11.8M	Not included
Fluendo GStreamer Codec Plugins	3.2M	Included
IBM i Access Client Solutions	134.8M	Not included
Red Hat Enterprise Virtualization	2.8M	Included
Parallels Client	6.0M	Included
NVIDIA graphics driver	374.0M	Not included
Imprivata Appliance	32.8M	Included
AppliDis	512.0K	Included
Evidian AuthMgr	2.8M	Included
Hardware Video Acceleration	14.5M	Included
Extra Font Package	1.0M	Included
Fluendo GStreamer AAC Decoder	768.0K	Included
x32 Compatibility Support	4.2M	Included
Cisco JVDI client	63.2M	Included
PrinterLogic	38.0M	Not included
Biosec BS Login	10.0M	Not included
Login VSI Login Enterprise	28.8M	Not included
Stratusphere UX CID Key software	5.5M	Not included
Elastic Filebeat	36.0M	Not included
AVD	42.2M	Included
Local Browser (Chromium)	101.8M	Not included
Amazon WorkSpaces Client	33.0M	Included
deskMate Client	5.8M	Included
Cisco Webex VDI	100.8M	Not included
Cisco Webex Meetings VDI	195.2M	Not included

<b>Service</b>	<b>Size</b>	<b>Reduced Firmware</b>
Zoom Media Plugin	182.5M	Not included
DriveLock	13.0M	Included
SpeechWrite Client	256.0K	Included
IGEL Agent for Imprivata	768.0K	Included
LRS Output Management	256.0K	Included
Fluendo Browser Codec Plugins	9.2M	Included
HP Factory deployment documentation	88.5M	Included
BIOS Tools	2.0M	Included
HP Anyware Client	35.2M	Included
90meter Smart Card Support	512.0K	Included
VPN OpenConnect (Limited support) Scanner support / SANE (Limited support) Mobile Device Access USB (Limited support) Virtualbox (Limited support) Virtual Background for Webcam (Limited IGEL Support) Limited Support Features	256.0K	Not included
Mobile Device Access USB (Limited support)	256.0K	Not included
VPN OpenConnect (Limited support)	1.2M	Not included
Scanner support / SANE (Limited support)	9.2M	Not included
Virtualbox (Limited support)	74.8M	Not included
Virtual Background for Webcam (Limited IGEL Support)	47.8M	Included



## Known Issues 11.09.310

### Citrix

- Adding **smartcard readers** during running / active session does not work. The reader is visible, but cannot be used due to unknown reader status. Only relevant for CWA versions earlier than 2112.
- Browser Content Redirection (BCR) does not work if DRI3 and hardware accelerated H.264 deep compression codec is enabled.
- Citrix H.264 acceleration plugin does not work with **enabled** server policy "Optimize for 3D graphics workload" in combination with server policy "Use video codec compression" -> "**For the entire screen**".
- To launch multiple desktop sessions with Citrix HDX RTME and Citrix H.264 acceleration plugin, the following registry key needs to be enabled:

**More...**

Parameter	Activate workaround for dual RTME sessions and H264 acceleration
Registry	ica.workaround-dual-rtme
Range	enabled / <b>disabled</b> (default)

- This workaround is not applicable when "Enable Secure ICA" is active for the specific delivery group.
- Currently H.264 for Citrix sessions cannot be used in parallel with video input acceleration.
- While starting Self-Service, it is possible that process ServiceRecord segfaults -> Self-Service cannot be started afterwards.  
A cache cleanup with reboot is needed. In addition, the following parameters should set to true.

**More...**

Parameter	Clean up UI cache after Self-Service termination
Registry	ica.selfservice.cleanupwebui
Value	<b>false</b> (default)/true
Parameter	Clean up Store cache after Self-Service termination
Registry	ica.selfservice.cleanupstore
Value	<b>false</b> (default)/true

- Browser Content Redirection (BCR) may not work with Chrome version **105.0.** or later. See <https://support.citrix.com/article/CTX473065/hdx-browser-content-redirection-broken-with-google-chrome-browser-version-105-or-higher>
- White / green fragments may appear during desktop launch if JPEG graphical codec is used.
- MS Teams calls may stop if blurred background is enabled. This affects Citrix Workspace App 2305 and later.
- Regarding CVE-2023-41993, CVE-2023-39928 & CVE-2023-41074: For compatibility with Citrix Self-Service, older Webkit libraries are used instead of the latest ones to continue working properly.
- More information: <https://kb.igel.com/securitysafety/en/isn-2023-25-webkit-vulnerabilities-101066782.html>
- ZoomVDI version 5.16 or newer is no longer supported with Citrix Workspace app 20.10
- Browser Content Redirection (BCR) may not work with Citrix workspace app 23.11 and current Chrome versions.

## OSC Installer

- OSC not deployable with IGEL Deployment Appliance: Version 11.3 or later is required for deploying IGEL OS 11.06. and following.

## AVD

- H.264 hardware decoding for MS-Teams optimization is currently limited to non- AMD devices due to stability issues on AMD devices.

## VMware Horizon

- After disconnect of an RDP-based session, the Horizon main window which contains the server or sessions overview, cannot be resized anymore.
- Copying text from Horizon Blast sessions is not possible.
- The on-screen keyboard in Horizon appliance mode does not work correctly with local logon. It is necessary to switch off local logon and enable the following two keys via IGEL registry:  
`userinterface.softkeyboard.autoshow`  
`userinterface.softkeyboard.autohide`
- With usage of PCoIP protocol, the virtual channel provided by VMware used for serial port and scanner redirection could freeze on logout from remote session.
- This happens only with enabled scanner or serial port redirection. The freeze does not occur if both redirection methods are enabled or none of them. The Blast Protocol is not affected by this bug.
- The respective settings can be found in the IGEL Registry:  
`vmware.view.enable-serial-port-redir`  
`vmware.view.enable-scanner-redir`
- Keyboard Input Source Language Synchronization works only with usage of local layout and deadkeys enabled.



If a keyboard layout is used which has deadkeys disabled (which is the default on IGEL OS), Horizon client falls back to en-US layout.

- PCoIP sessions may crash in some cases, switch to Blast Protocol is recommended then. H.264/HEVC encoding can be disabled when overall performance is too low.
- Client drive mapping and USB redirection for storage devices can be enabled at the same time, but this could lead to sporadic problems.

Horizon Client tracks the drives which are dynamically mounted and adds them to the remote session using client drive mapping, means USB redirection is not used for these devices then.

However, in case of devices like USB SD card readers, Horizon does not map them as client drives but forcefully uses USB-redirection which results in an unclean unmount.

As a work-around, the IDs of these card readers can be added to IGEL USB access rules and denied.

## Parallels Client

- Attached storage devices appear as network drives in the remote session
- USB device redirection is considered as experimental for the Parallels client for Linux

## Chromium

- Hardware accelerated video decoding is currently not supported.

## Firefox

- With enabled Citrix Browser Content Redirection, Firefox has no H.264 and AAC multimedia codec support. Means, when codec support is needed in Firefox, BCR needs to be disabled. Citrix Browser Content Redirection is disabled by default.
- Firefox restart option currently not supported.

## Network

- Wakeup from system suspend fails on DELL Latitude 5510

## WiFi

- TP-Link Archer T2UH WiFi adapters does not work after system suspend/resume. Workaround: Disabling system suspend at **IGEL Setup > System > Power Options > Shutdown.**

## IGEL Agent for Imprivata

- IGEL Agent for Imprivata does not work in auth only - mode with VMware Horizon.

## Cisco JVDI Client

- There may be a segfault shown in the logs (during logout of Citrix Desktop session). Occurs only when using Citrix Workspace App 2010 and Cisco JVDI.

## Base system

- Update from memory stick requires network online state (at least when multiple update stages are triggered / necessary)
- It is not possible to perform an unattended OS12 migration to base system 12.2.0 as an additional / manual reboot is necessary. The recommended upgrade version for unattended migration is base system 12.2.1.
- Due to suspend/resume issues of a Innodisk NVME we disabled the suspend support for systems where this NVME is present. The issue otherwise will lead to a complete loose of the storage device as the NVME will not work after resume.

## Conky

- The right screen when using multiscreen environment may not be shown correctly.  
Workaround: The horizontal offset should be set to the width of the monitor (e.g. if the monitor has a width of 1920, the offset should be set to 1920)

## Firmware update

- On devices with 4 GB flash storage or smaller it could happen that there is not enough space for updating all features. In this case, a corresponding error message occurs. Please visit <https://kb.igel.com/igelos-11.09/en/error-not-enough-space-on-local-drive-when-updating-to-igel-os-11-08-or-higher-101059051.html> for a possible solution and additional information.

## Appliance Mode

- When ending a Citrix session in browser appliance mode, the browser is restarted twice (instead of once).
- Appliance mode RHEV/Spice: spice-xpi firefox plugin is no longer supported. The "Console Invocation" has to allow 'Native' client (auto is also possible) and should be started in fullscreen to prevent any opening windows.
- Browser Appliance mode can fail when the Web URL contains special control characters like ampersand (& character).

Workaround: Add quotes at the beginning and the end of an affected URL. E.g.:  
'<https://www.google.com/search?q=aSearchTerm&source=lnms&tbn=isch>'

## Audio

- Audio jack detection on Advantec POC-W243L does not work. Therefore, sound output goes through a possibly connected headset and also the internal speakers.
- UD3-M340C: Sound preferences are showing Headphone & Microphone, although not connected.
- IGEL UD2 (D220) fails to restore the volume level of the speaker when the device used firmware version 11.01.110 before.

## Multimedia

- Multimedia redirection with GStreamer could fail when using Nouveau GPU driver.

## Hardware

- Some newer Delock 62599 active DisplayPort to DVI (4k) adapters only work on INTEL-based devices.
- Wake up from suspend via UMS does not work on HP mt645 devices. Workaround: Disable system suspend and use shutdown instead.
- Built-in fingerprint sensor is not supported on HP mt440 and mt645.
- MAC-Address Passthrough not supported on Lenovo USB-C Hybrid Docking Station.
- Wake-on-Lan via docking stations is not supported.
- In some rare cases it is possible that connecting or booting Lenovo USB-C Hybrid Docking station over USB-C results in non working / faulty display output.  
**It may help to (re-)connect via USB-A. If this is the case, USB-C should be also functional then.**
- Display configuration of displays connected to HP G5 Docking Station may fail with HP t655.

## Remote Management

- AIT feature with IGEL Starter License is only supported by UMS version 6.05.100 or newer.



## Security Fixes 11.09.310

### Chromium

- Updated Chromium Browser to version 122.0.6261.128

### Firefox

- Updated Mozilla Firefox to 115.9.1 ESR
- Fixes for mfsa2024-16, also known as CVE-2024-29944.
- Fixes for mfsa2024-13, also known as:  
CVE-2024-0743, CVE-2024-2607, CVE-2024-2608, CVE-2024-2616,  
CVE-2023-5388, CVE-2024-2610, CVE-2024-2611, CVE-2024-2612,  
CVE-2024-2614.
- Fixes for mfsa2024-06, also known as:  
CVE-2024-1546, CVE-2024-1547, CVE-2024-1548, CVE-2024-1549,  
CVE-2024-1550, CVE-2024-1551, CVE-2024-1552, CVE-2024-1553.

### Base system

- Fixed libxml2 security issue CVE-2024-25062



## New Features 11.09.310

### Citrix

- Added parameters for enhanced configuration of Teams optimization within Citrix. Further details via Citrix documentation: <https://docs.citrix.com/en-us/citrix-workspace-app-for-linux/configure-xenapp.html#optimization-for-microsoft-teams> <https://docs.citrix.com/en-us/citrix-workspace-app-for-linux/configure-xenapp.html#optimization-for-microsoft-teams><sup>1</sup>
- Configure MS Teams either via custom or predefined options.
- Custom options:

**More...**

Registry	<code>ica.teams.config%.enabled</code>
Value	<b>disabled</b> (default) / enabled
Registry	<code>ica.teams.config%.name</code>
Value	“ “
Registry	<code>ica.teams.config%.type</code>
Range	[ <b>String</b> ] [Integer]
Registry	<code>ica.teams.config%.value</code>
Value	“ “

- Predefined options:

Parameter	AdaptResolutionAllowCroppingVideo
Registry	<code>ica.teams.adaptresolutionallowcroppingsvideo.enabled</code>
Value	<b>Disabled</b> (default) / Enabled

- Enable if video in optimized MS Teams call is stretched

Parameter	EnableAEC
Registry	<code>ica.teams.enableaec.enabled</code>
Value	<b>Disabled</b> (default) / Enabled

<sup>1</sup> <https://docs.citrix.com/en-us/citrix-workspace-app-for-linux/configure-xenapp.html#optimization-for-microsoft-teams> <https://docs.citrix.com/en-us/citrix-workspace-app-for-linux/configure-xenapp.html#optimization-for-microsoft-teams><sup>5D</sup>



- Enables echo cancellation; used for troubleshooting audio issues

Parameter	EnableAGC
Registry	<code>ica.teams.enableagc.enabled</code>
Value	<b>Enabled</b> (default) / Disabled

- Disables gain control; used for troubleshooting audio issues

Parameter	EnableNS
Registry	<code>ica.teams.enablens.enabled</code>
Value	<b>Enabled</b> (default) / Disabled

- Disables noise suppression; used for troubleshooting audio issues

Parameter	ms_teams_remote_audio_notifications
Registry	<code>ica.teams.remoteaudionotifications.enabled</code>
Value	<b>Enabled</b> (default) / Disabled
Parameter	ms_teams_secondary_audio_notifications
Registry	<code>ica.teams.secondaryaudionotifications.enabled</code>
Value	<b>Enabled</b> (default) / Disabled

- Disables secondary ringtone

Parameter	UseGbufferScreenSharing
Registry	<code>ica.teams.usegbuffercreensharing.enabled</code>
Value	<b>Disabled</b> (default) / Enabled

- Enables desktop share option while app protection is active

Parameter	VideoHwEncode
Registry	<code>ica.teams.videohwencode.enabled</code>
Value	<b>Disabled</b> (default) / Enabled

- Enables hardware acceleration support

Parameter	WebbrpcLogLevel
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Registry	<code>ica.teams.webrpcloglevel.enabled</code>
Value	<b>Disabled</b> (default) / Enabled

- Enables log collection for webrpc library

Parameter	WebrtcLogLevel
Registry	<code>ica.teams.webrtcloglevel.enabled</code>
Value	<b>Disabled</b> (default) / Enabled

- Enables log collection for virtual channel

## Firefox

- Added BTRFS (improved / more efficient storage format) for Firefox profile partition.
- Changed default of `system.customization.ffpro.fs_type` registry key from ntfs to btrfs.

Parameter	Firefox Profiles Partition Filesystem Type
Registry	<code>system.customization.ffpro.fs_type</code>
Range	[ext4]
Value	btrfs

## WiFi

- Added options for configuration of `rtw89core` and `rtw89pci` kernel modules (used e.g by the `rtw_8852be` driver).

### More...

Parameter	<code>disable_clkreq</code>
Registry	<code>network.drivers.rtw89pci.options.disable_clkreq</code>
Type	bool
Value	enabled (default) / disabled
Parameter	<code>disable_aspm_l1</code>
Registry	<code>network.drivers.rtw89pci.options.disable_aspm_l1</code>
Type	bool



Value	enabled (default) / disabled
Parameter	disable_aspm_l1ss
Registry	network.drivers.rtw89pci.options.disable_aspm_l1ss
Type	bool
Value	enabled (default) / disabled
Parameter	disable_ps_mode
Registry	network.drivers.rtw89core.options.disable_ps_mode
Type	bool
Value	enabled (default) / disabled

- Changed default for DHCP refresh after roaming (within the same network).

Parameter	Refresh DHCP after roaming
Registry	network.interfaces.wirelesslan.device0.roam_refresh_dhcp
Type	bool
Value	enabled / <b>disabled</b> (default)

## Cisco Webex

- Updated Cisco Webex VDI plugin to version 44.2.0.28744.

## zoomvdi

- Updated Zoom VDI plugin to version 5.17.6 (24660).

## Resolved Issues 11.09.310

### Citrix

- Citrix keyboard layout synchronization requires set of `ica.wfclient.keyboardmappingfile` to the new value `automatic`. With that, the local keystrokes are locally interpreted and correctly sent to the Citrix session. Icon in taskbar (within Citrix session) of set language may be wrong displayed but input is correct. It is also required to set the following parameters: `ica.wfclient.keyboardeventmode=Unicode` and `ica.wfclient.keyboardsyncmode=Dynamic`.
- Change the parameter `Keyboard mapping file` to `automatic`:

Setup page	Sessions > Citrix > Citrix Global > Keyboard
Parameter	Keyboard mapping file
Registry	<code>ica.wfclient.keyboardmappingfile</code>
Type	range
Value	<b>generic</b> (default) / linux / automatic

### Network

- Fixed respecting NTP server from DHCP

### WiFi

- On HP mt645 `network.drivers.realtek.use_8852be=auto` is now equal to `false` (same as on other devices / platforms)

### Base system

- Fixed startup of System Log Viewer.

### Audio

- Increased master volume for internal speaker in HP t755



## Misc

- Fixed IGEL Agent for Imprivata in auth only mode with VMware Horizon.