



W10 IoT Release Notes

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Notes for Release 4.04.100

IGEL Universal Desktop W10

Software:	Version	4.04.100
Release Date:	2019-05-31	
Release Notes:	Version	RN-404100-1
Last update:	2019-05-31	

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Supported Devices

Supported Devices

UD3-W10 50, UD3-W10 51

UD5-W10 50

UD6-W10 51

UD7-W10 10

UD9-W10 40, UD9-W10 Touch 41

Versions

- **Drivers**

Product	Version
Intel(R) HD Graphics	10.18.10.4425 (04/04/2016)
Intel(R) Audio	6.16.00.3154 (09/09/2014)
Intel(R) Trusted Execution Engine Interface	1.1.0.1064 (12/01/2014)
Realtek High Definition Audio	6.0.1.7541 (06/18/2015)
Realtek PCIe GBE Family Controller	10.014.0123.2017 (01/23/2017)
AMD Radeon(TM) R3E Graphics	16.300.2501.0000 (07/26/2016)
AMD IOIC device	1.2.0.0034 (11/08/2015)
AMD Security Accelerator	2.22.0.0005 (06/27/2016)
AMD GPIO v2 Controller	2.2.0.57 (04/01/2017)
AMD SMBus device	5.12.0.0031 (04/01/2017)
AMD Embedded Radeon E9173	23.20.808.1280 (02/14/2018)

- **Applications**

Citrix Workspace App	1903
Citrix HDX RealTime Media Engine	2.7
Microsoft Internet Explorer	11
Microsoft RDP Client	10.2
NCP Enterprise Client	10.11
Azul Zulu JAVA RE	1.8.0.212
ThinPrint	11.0.120
Tight VNC Server	2.8.11
VMware Horizon Client	5.0.0
Microsoft Windows Media Player	12
Microsoft .NET Framework	4.6
Adobe PDF Reader DC	15.23
FabulaTech USB for Remote Desktop	5.2.3

IGEL WinLinux	11.01.110.13828
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- **Language Packs**

Microsoft-Windows-Client-Language-Pack_x64_de-de.cab
Microsoft-Windows-Client-Language-Pack_x64_es-es.cab
Microsoft-Windows-Client-Language-Pack_x64_fr-fr.cab
Microsoft-Windows-Client-Language-Pack_x64_it-it.cab
Microsoft-Windows-Client-Language-Pack_x64_ja-jp.cab
Microsoft-Windows-Client-Language-Pack_x64_nl-nl.cab

- **Microsoft Updates**

KB4493473
KB4493478
KB4346087
KB4485447
KB4465659
KB4132216
KB4093137



Known Issues

System

- **Start onscreen keyboard at logon** does not work.
The Setup setting **User Interface > Input > Keyboard > Start onscreen keyboard at logon** sets the onscreen keyboard for a logged-in user only.
Furthermore, the **Ease of Access** menu on welcome screen appears delayed and an error message is shown: *Could not start On-Screen keyboard <OK>*.
- **VNC Maintenance** screen does not work.
- **Snapshot upload/download** via **Proxy** does not work.
- **Snapshot download** with **HTTP** protocol and **UMS version 5.08.100** does not work on **UD7**.

VMware

- When session is started via **Horizon Client**, a folder named **GPUcache** appears on the user desktop.



New Features

System

- Added **OpenJDK Zulu** from **Azul 1.8.0.212**.
- Added a list of **installed (third party) software** in **IGEL Device Information**.

Citrix

- Added **Citrix Workspace App** version **1903**.
- Added **Citrix HDX Realtime Media Engine** version **2.7**.

VMware

- Added **VMware Horizon Client** version **5.0.0**.

Resolved Issues

System

- Fixed: **IGEL Device Information** tool does not update **network information**. **IP address of the device** will now be **updated every ten seconds**.
- Fixed: **Session shortcuts** are not deleted after removing a **UMS profile** or disabling **Use IGEL Setup for configuring...**
- Fixed: **Windows Defender definitions** can not be updated after deactivating the **Unified Write Filter**.
- Fixed: **File share for downloading definition updates** always disabled.
- Fixed: **reboot loops** while configuring the **Unified Write Filter**.
Reboot loops were caused by:
 - Multiple entries with **different notations** like **c:\temp** and **C:\Temp**.
 - **Incorrect notations** like relative paths, e.g. **/temp** or **temp**.
- Fixed: **Snapshot** is only possible without any **whitespaces in path/filename** entry.
- Fixed: **File snapshot** does not work with **enabled Unified Write Filter** feature and **plugged-in USB** sticks. **USB** sticks **have now to be removed** after snapshot upload/download and before returning to Windows.



Notes for Release 4.03.100

IGEL Universal Desktop W10

Software:	Version	4.03.100
Release Date:	2018-11-26	
Release Notes:	Version	RN-403100-1
Last update:	2018-11-26	



Supported Devices

Supported Devices

UD3-W10 50, UD3-W10 51

UD5-W10 50

UD6-W10 51

UD7-W10 10

UD9-W10 40, UD9-W10 Touch 41

Versions

- **Drivers**

Product	Version
Intel(R) HD Graphics	10.18.10.4425 (04/04/2016)
Intel(R) Audio	6.16.00.3154 (09/09/2014)
Intel(R) Trusted Execution Engine Interface	1.1.0.1064 (12/01/2014)
Realtek High Definition Audio	6.0.1.7541 (06/18/2015)
Realtek PCIe GBE Family Controller	10.014.0123.2017 (01/23/2017)
AMD Radeon(TM) R3E Graphics	16.300.2501.0000 (07/26/2016)
AMD IOIC device	1.2.0.0034 (11/08/2015)
AMD Security Accelerator	2.22.0.0005 (06/27/2016)
AMD GPIO v2 Controller	2.2.0.57 (04/01/2017)
AMD SMBus device	5.12.0.0031 (04/01/2017)
AMD Embedded Radeon E9173	23.20.808.1280 (02/14/2018)

- **Applications**

Citrix Workspace App	1808
Citrix HDX RealTime Media Engine	2.6
Microsoft Internet Explorer	11
Microsoft RDP Client	10.2
NCP Enterprise Client	10.11
Sun JAVA RE	1.8 Update 40
ThinPrint	11.0.120
Tight VNC Server	2.8.11
VMware Horizon Client	4.9.0
Microsoft Windows Media Player	12
Microsoft .NET Framework	4.6
Adobe PDF Reader DC	15.23
FabulaTech USB for Remote Desktop	5.2.3

IGEL WinLinux	10.06.100.10195
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- **Language Packs**

Microsoft-Windows-Client-Language-Pack_x64_de-de.cab
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Microsoft-Windows-Client-Language-Pack_x64_ja-jp.cab
Microsoft-Windows-Client-Language-Pack_x64_nl-nl.cab

- **Microsoft Updates**

KB4462928
KB4091644
KB4132216
KB4093137

Known Issues

System

- Start **onscreen keyboard** at logon does not work. The TC-Setup setting **Userinterface > Input > Keyboard > Start onscreen keyboard at logon** sets the onscreen keyboard for a logged in user only.
Furthermore the **Ease of Access** menu on welcome screen appears delayed and an error message is shown: *Could not start On-Screen keyboard <OK>*
- **VNC Maintenance** screen does not work.
- **Snapshot upload/download** via **File** protocol does not work if the USB device is plugged into a USB 3.0 port.
- **Snapshot upload/download** via **Proxy** does not work.

VMware

- When session is started via **Horizon client**, a folder named **GPUcache** appears on the user desktop.



New Features

System

- Added support for **UEFI Secure Boot**.
IMPORTANT: With enabled UEFI Secure Boot, it is not possible to downgrade to a W10 firmware version lower than 4.03.100!
<https://kb.igel.com/securitysafety/uefi-secure-boot-enabling-guides-2271735.html>
- Added information about **current boot mode** into **IGEL Device Information** tool (Hardware tab).
- Added information about **current Microsoft Windows activation state** into **IGEL Device Information** tool (Windows Activation tab).
- Added command to **activate Windows** into **IGEL Device Information** tool.
- Added command to **save support information** into **IGEL Device Information** tool.
- Added configuration of **ForceAutoLogon**. **IMPORTANT:** After setting "resetforceautologon" to "false" the login process can not be interrupted!

More...

Parameter	Reset Force-Auto Logon
Registry	system.auto_logon.resetforceautologon
Value	<u>enabled</u> / disabled

- Added **network speed information** of Windows Client to display and use in UMS.
- Added **FTP snapshot protocol**.

More...

System > Update > Snapshots > Upload

System > Update > Snapshots > Download

Parameter	Server
Registry	firmware_snapshot.ftp.server
Parameter	Path
Registry	firmware_snapshot.ftp.path
Parameter	Filename
Registry	firmware_snapshot.ftp.upload_filename firmware_snapshot.ftp.download_filename
Parameter	Username
Registry	firmware_snapshot.ftp.username

Parameter	Password
Registry	firmware_snapshot.ftp.crypt_password

Parameter	Port
Registry	firmware_snapshot.ftp.port
Value	21

Parameter	Proxy
Registry	firmware_snapshot.ftp.proxy

Parameter	Port
Registry	firmware_snapshot.ftp.proxy_port
Value	2121

Citrix

- Added **Citrix Workspace App version 1808**
- Added **Citrix HDX Realtime Media Engine version 2.6**

VMware

- Added **VMware Horizon client version 4.8.1**

VNC

- Added **TightVNC Server version 2.8.11**



Resolved Issues

System

- Fixed configured **IP address** is not used in IGEL Rescue Shell.
- Fixed configured **UWF exclusions results** in a bootloop.
- Fixed issues with **multi-monitor configuration** on UD7.
- Fixed **UMS shutdown/reboot command** does not work after disable "Prompt user on UMS actions".
- Fixed strange characters are shown when using **Swedish(Sweden)** at "Standards and Formats".
- Fixed **device drivers are updated automatically** when UWF is disabled on UD3.

VMware

- Fixed issues with **USB redirection**.

Notes for Release 4.02.100

IGEL Universal Desktop W10

Software:	Version	4.02.100
Release Date:	2018-05-11	
Release Notes:	Version	RN-402100-1
Last update:	2018-05-11	

Following formatting is used in this document:

format type	example	use
bold and underlined	<u>enable</u> /disable	the default setting of a value
bold and arrow	menu → path	menu path in the IGEL setup
bold	GUI [keyboard]	elements of the graphical user interface or commands that are entered using the keyboard
within brackets	[session name]	variable values



Windows 10 IoT

Supported Devices

UD3-W10 50, UD3-W10 51

UD5-W10 50

UD6-W10 51

UD7-W10 10

UD9-W10 40, UD9-W10 Touch 41

W10 IoT Versions

- **Drivers**

Product	Version
Intel(R) HD Graphics	10.18.10.4425 (04/04/2016)
Intel(R) Audio	6.16.00.3154 (09/09/2014)
Intel(R) Trusted Execution Engine Interface	1.1.0.1064 (12/01/2014)
Realtek High Definition Audio	6.0.1.7541 (06/18/2015)
Realtek PCIe GBE Family Controller	10.014.0123.2017 (01/23/2017)
AMD Radeon(TM) R3E Graphics	16.300.2501.0000 (07/26/2016)
AMD IOIC device	1.2.0.0034 (11/08/2015)
AMD Security Accelerator	2.22.0.0005 (06/27/2016)
AMD GPIO v2 Controller	2.2.0.57 (04/01/2017)
AMD SMBus device	5.12.0.0031 (04/01/2017)
AMD Embedded Radeon E9173	23.20.808.1280 (02/14/2018)

- **Applications**

Citrix Receiver	4.11
Citrix HDX RealTime Media Engine	2.3
Microsoft Internet Explorer	11
Microsoft RDP Client	10.2
NCP Enterprise Client	10.11
Sun JAVA RE	1.8 Update 40
ThinPrint	11.0.120
Tight VNC Server	2.7.10
VMware Horizon Client	4.7.0
Microsoft Windows Media Player	12
Microsoft .NET Framework	4.6
Adobe PDF Reader DC	15.23
FabulaTech USB for Remote Desktop	5.2.3

- **Language Packs**



Microsoft-Windows-Client-Language-Pack_x64_de-de.cab
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Microsoft-Windows-Client-Language-Pack_x64_it-it.cab
Microsoft-Windows-Client-Language-Pack_x64_ja-jp.cab
Microsoft-Windows-Client-Language-Pack_x64_nl-nl.cab

- **Microsoft Updates**

KB4093137
KB4093120

Known Issues

System

- **Start onscreen keyboard at logon** does not work.
The TC-Setup-Setting Userinterface/Input/Keyboard **Start onscreen keyboard at logon** sets the onscreen keyboard for a logged in user only.
Furthermore the **Ease of Access** menu on welcome screen appears delayed and an error message is shown: "Could not start On-Screen keyboard "
- **VNC Maintenance screen** does not work.
- Snapshot **upload/download via "File" protocol** does not work on UD3/UD7 if the USB device is plugged into a USB 3.0 port.
- **Configuration of more than two screens** sometimes results in a wrong display order on UD7.

VMware

- When session is started via **Horizon client**, a folder named **GPUcache** appears on the user desktop.

New Features

System

- Added hardware support for **UD7-W10 10**.
- Added hardware support for **UD9-W10 40 and UD9-W10 Touch 41**.
- Added configuration of **Windows activation** while snapshotting.

More

Registry	firmware_snapshot.activate_windows
Value	<u>enabled</u> / disabled

- Added **file transfer of certificate files** from UMS.
- Added configuration of **custom desktop background picture**.

More

IGEL Setup	User Interface > Desktop
Registry	userinterface.customization.use_custom_wallpaper
Value	enabled / <u>disabled</u>

IGEL Setup	User Interface > Desktop
Registry	userinterface.customization.custom_wallpaper_filename
Value	

- Added configuration of **custom boot splash picture**.

More

IGEL Setup	System > Firmware Customization > Corporate Design > Custom Bootsplash
Registry	userinterface.customization.use_custom_bootsplash
Value	enabled / <u>disabled</u>

IGEL Setup	System > Firmware Customization > Corporate Design > Custom Bootsplash
Registry	userinterface.customization.custom_bootsplash_filename
Value	

- Added configuration of **Microsoft Windows Defender**.

More

IGEL Setup	Security > Windows Defender
Registry	system.windows_defender.use_igel_setup
Value	<u>enabled</u> / disabled
IGEL Setup	Security > Windows Defender
Registry	system.windows_defender.enable
Value	<u>enabled</u> / disabled
IGEL Setup	Security > Windows Defender
Registry	system.windows_defender.definition_download
Value	enabled / <u>disabled</u>
IGEL Setup	Security > Windows Defender
Registry	system.windows_defender.definition_download_scheduled_timestamp
Value	
IGEL Setup	Security > Windows Defender
Registry	system.windows_defender.definition_download_scheduled_recur_every_days
Value	<u>1</u>
IGEL Setup	Security > Windows Defender
Registry	system.windows_defender.definition_download_source
Value	<u>MicrosoftUpdateServer</u>
IGEL Setup	Security > Windows Defender
Registry	system.windows_defender.definition_download_source_file_shares
Value	
IGEL Setup	Security > Windows Defender
Registry	system.windows_defender.update_timeout
Value	<u>600000</u>

- Added **Unified Write Filter** low overlay watcher.
More

Registry	system.uwf.ramcheck_showwarning
Value	<u>enabled</u> / disabled
Registry	system.uwf.ramcheck_threshold
Value	<u>250</u>
Registry	system.uwf.ramcheck_interval_seconds
Value	<u>60</u>
Registry	system.uwf.ramcheck_observation_seconds
Value	<u>30</u>

Citrix

- Added **Citrix Receiver version 4.11**
- Added **Citrix HDX RealTime Media Engine version 2.3**

VMware

- Added **VMware Horizon client version 4.7.0**

FabulaTech

- Added **FabulaTech USB for Remote Desktop version 5.2.3**

Resolved Issues

System

- Fixed **IGEL Secure Shadowing** does not work.
- Fixed unclear **unjoin domain behaviour**. Client is added to Workgroup "WORKGROUP" after leaving the domain now.
- Fixed **UMS file transfer** without setting a target path does not work (Default target path: C:\Program Files (x86)\IGEL\igel_temp).
- Fixed **after creating a snapshot** with a device registered in UMS and applying it to another device, **same MAC address** is shown in UMS.
- Fixed **after a snapshot download old partial update informations will remain in the UMS**.
- Fixed **reset to factory defaults** does not work if auto logon is configured.
- Fixed **error in dual screen configuration** when only one monitor is connected.
- Fixed **disable USB storage devices** does not work.
- Fixed **VNC shadowing** does not work after changing the admin password.
- Fixed watching **videos with Microsoft Internet Explorer fills up the Unified Write Filter RAM overlay**.

RDP

- Fixed **configuration of credential saving on connect** has no effect.

More

Registry	rdp.winconnect.allowcredentialsaving
Value	<u>enabled</u> / disabled

Citrix

- Fixed **deletion of ICA session** does not delete **session icons** from desktop.
- Fixed **lockdown conflict** "LegacyLocalUserNameAndPassword" after configuring domain passthrough authentication.

VMware

- Fixed **VMware session autostart** does not work.

Notes for Release 4.01.100

IGEL Universal Desktop W10

Software:	Version	4.01.100
Release Date:	2017-05-15	
Release Notes:	Version	RN-301100-1
Last update:	2017-05-15	

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Windows 10 IoT

Supported Devices

UD5-W10

UD6-W10

W10 IoT Versions

- **Clients**

Product	Version
Intel(R) HD Graphics	10.18.10.4425 (04/04/2016)
Intel(R) Audio	6.16.00.3154 (09/09/2014)
Intel(R) Trusted Execution Engine Interface	1.1.0.1064 (12/01/2014)
Realtek High Definition Audio	6.0.1.7541 (06/18/2015)
Realtek PCIe GBE Family Controller	10.014.0123.2017 (01/23/2017)

- **Applications**

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Citrix HDX RealTime Media Engine	2.2.100
Microsoft Internet Explorer	11
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NCP Enterprise Client	10.11
Sun JAVA RE	1.8 Update 40
ThinPrint	11.0.120
Tight VNC Server	2.7.10
VMware Horizon Client	4.4.2
Microsoft Windows Media Player	12
Microsoft .NET Framework	4.6
Adobe PDF Reader DC	15.23

- **Language Packs**

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Microsoft-Windows-Client-Language-Pack_x64_nl-nl.cab

- **Microsoft Updates**



KB3150513
KB4013418
KB4015217
KB4018483

Known Issues

System

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- **VNC Maintenance screen** does not work.