



Whitepaper

Basic Guide to the IGEL Thin Client Registry

Version 1.02

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Task

The IGEL Thin Clients and their Management are a great solution, you mostly do not need to update the Management Server to configure all the IGEL Thin Clients in your environment. The IGEL Universal Management Suite always picks up the newest functions and features available with firmware updates.

But... Where can you find these new settings if you have not also updated the IGEL UMS? Where can you find also other settings which are not shown in the regular GUI or can tweak the system? Simple answer: In the registry. I will try to give you some ideas where you can find settings in the registry and try to explain what the different sections in the registry are doing.

This Whitepaper does not explain all possible settings, a lot of settings are Vendor related and not all settings are documented well. A small sample: If you want to know what the Citrix Client settings "pointerclicktime" in the Universal Desktop LX->ICA->wfclient registry part is doing, you have to refer to the Citrix Client documentation available on www.citrix.com. This will also apply for other Clients like VMWare or Ericom.

Basics

The IGEL Registry can be compared to the Windows Registry which should be mostly known, all IGEL Thin Clients (Windows and Linux based) are using it. In the registry all client settings which are also available in the local IGEL Setup can be configured thru the UMS if they're available in the firmware.

You should be aware: on the first view the registry for Linux and Windows based devices have the same look, but depending on the Operating System there are differences! A lot of settings can be used for Windows and Linux devices but I don't recommend assigning a Linux based profile in the UMS to a Windows based device. Try to separate IGEL Thin Clients depending on the operating system.

Profiles created for different Hardware- or Licenses can be mixed, means you can assign the same profile in the UMS to an IGEL UD2 with the standard License and also to UD5 with the Advanced License. The firmware versions can be different in this case too. In this case the settings created for the Advanced License will be ignored by the device with the standard License and features from higher firmware versions can be not configured with a profile designed for an older firmware.

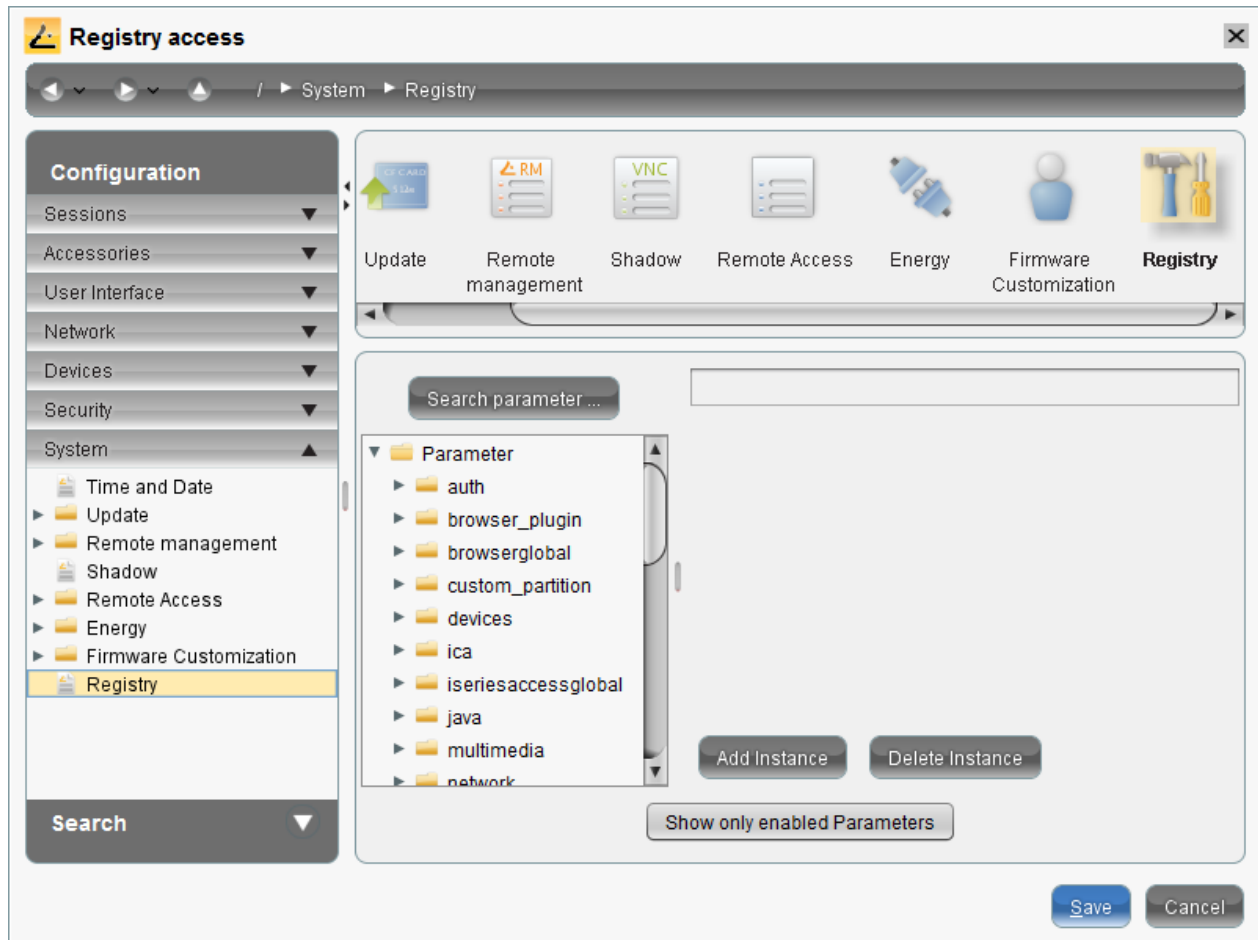
Compatible settings table:

Firmware	License	Hardware	Mostly compatible to
IGEL Universal Desktop LX	Entry, Standard, Advanced	UD2, UD3, UD5, UD9	IGEL Universal Desktop OS
IGEL Universal Desktop OS	Entry, Standard, Advanced	UC1, UC2, UC3	IGEL Universal Desktop LX
IGEL Universal Desktop ES	Entry, Standard, Advanced	UD2, UD3, UD5, UD9	IGEL Universal Desktop ES W7
IGEL Universal Desktop ES W7	Advanced	UD5	IGEL Universal Desktop ES
IGEL Universal Desktop CE	Entry, Standard	UD2, UD3	-

Please note: The discontinued UD7 devices can be added to this table without the display configuration

How to access the Registry

You can access the IGEL Registry thru the IGEL Setup or an IGEL Universal Management Suite Profile, in both ways the access can be done in the Menu thru System->Registry.



Tip: If you open an existing profile in the IGEL Universal Management Suite you can use the function “Show only enabled Parameters” to check in the registry which settings are touched or configured by the profile. This can be very helpful for troubleshooting or to find new configuration settings in the registry.

IGEL Firmware’s used for this guide

Operating System	Firmware Version
Universal Desktop LX	4.08.100
Universal Desktop OS	4.08.100
Universal Desktop ES	2.09.112
Universal Desktop ES W7	3.01.100
Universal Desktop CE	6.02.500

Registry settings must have know how

There are a couple of settings which end with a %-Sign; these settings are mostly default settings which are not used directly for an active configuration. The instances based on the default settings got a number at the end starting with 0. Sample from registry->sessions:

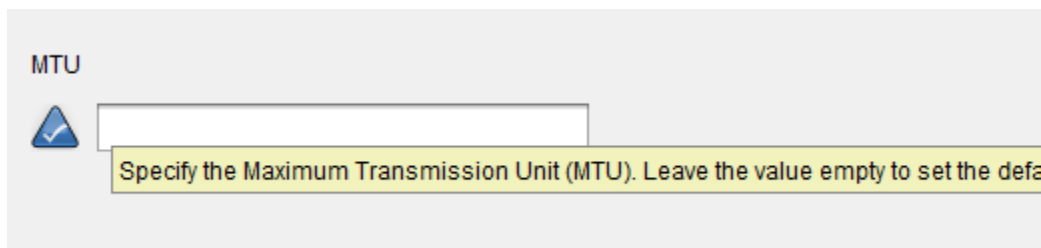
▶ ica%	ica% is the default for all ica sessions but it's not an session shown at the thin client or which is available for the user. ica1 and ica2 are real sessions which are using the basic configuration for the initial setup from ica%. In a UMS Profile also names like ica101 or ica111 can be shown, this will only apply in the UMS Profile; at the client side, the name will be also modified to be ica1, ica2....
▶ ica2	
▶ ica1	

You can create new instances in the registry direct by clicking on the button

Add Instance

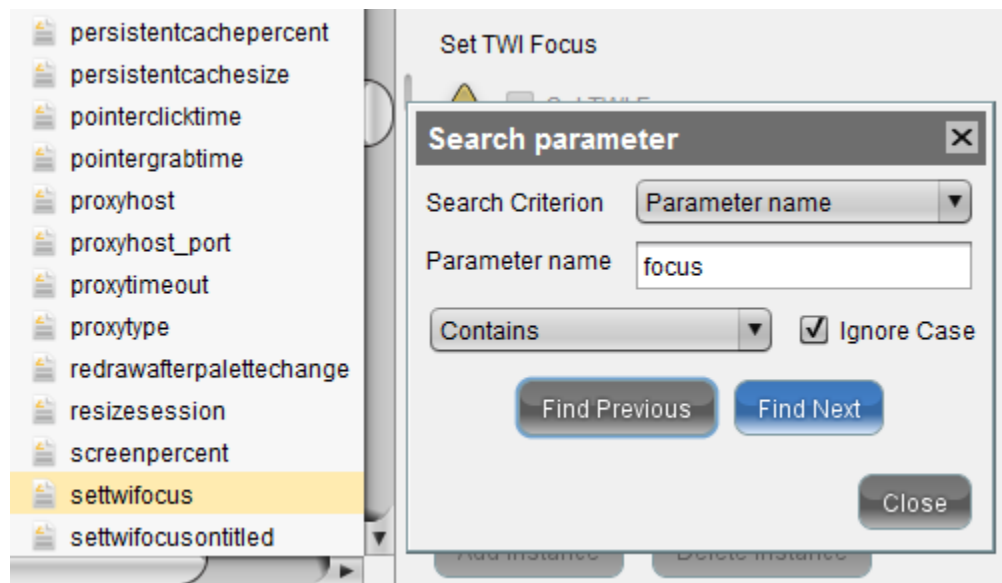
Tooltip

For mostly all registry settings are tooltips available, activate an option and place the mouse pointer over the setting and you will get a small help. Sample:



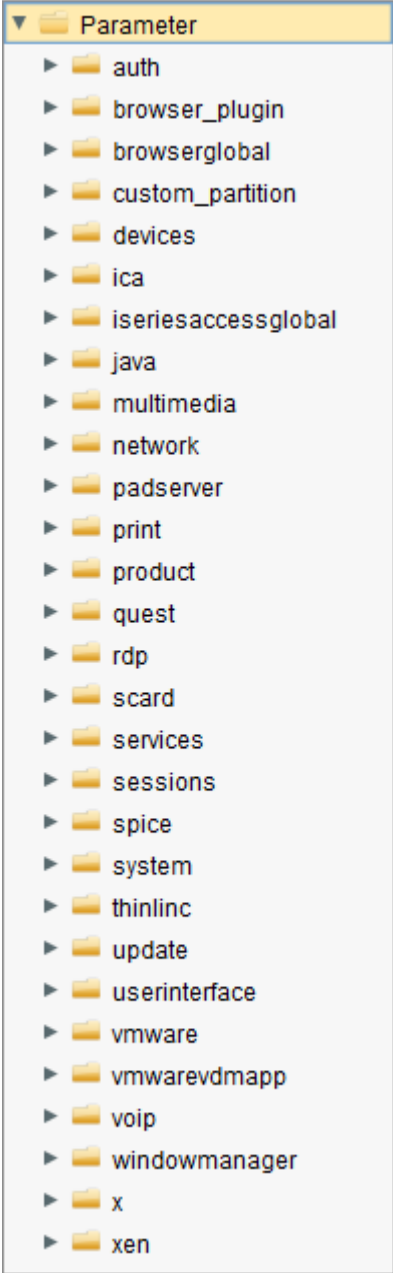
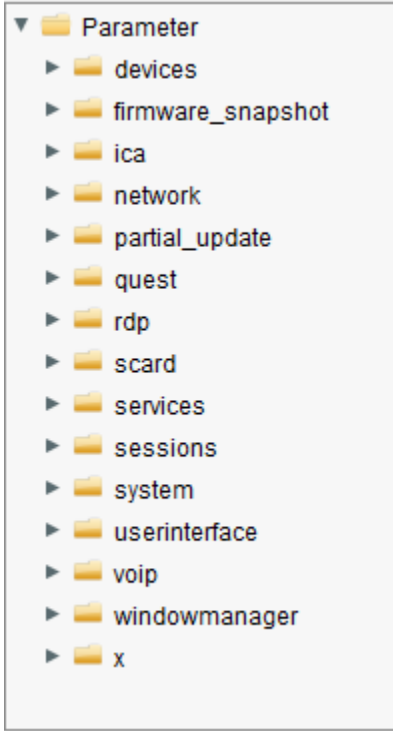
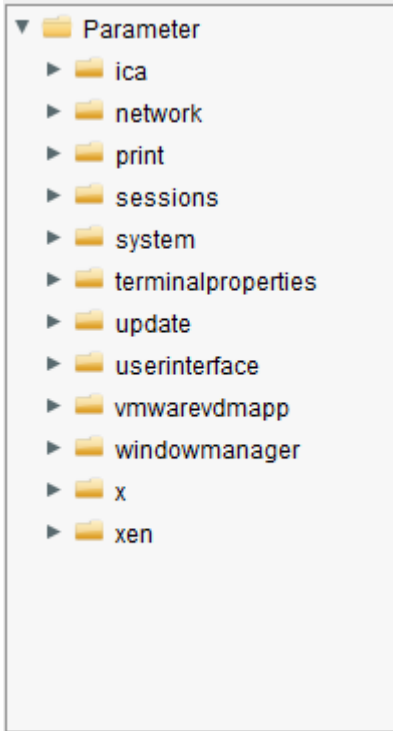
Search

IGEL provides a search function for the registry, use this to find settings if you know the name of the parameter or parts of it. Sample:



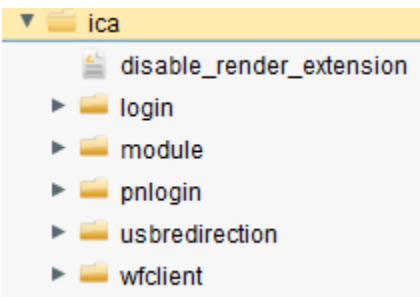
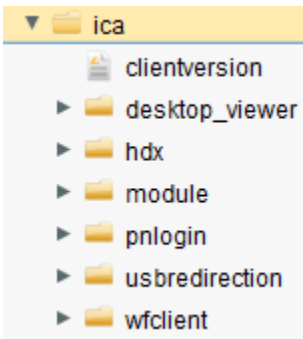
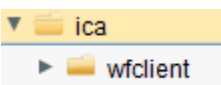
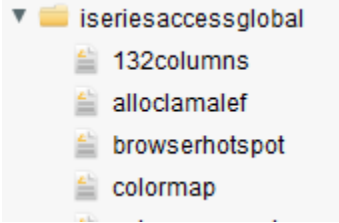
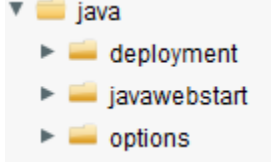
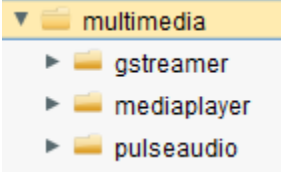
Categories in the registry

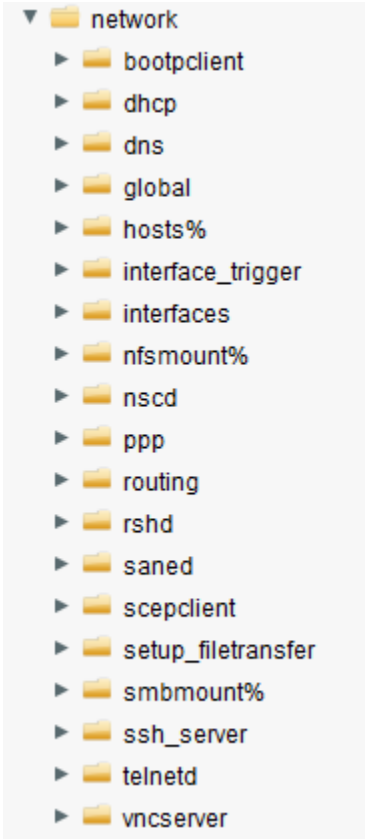
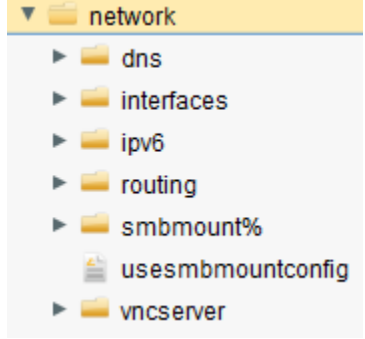
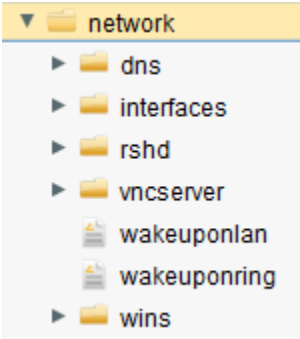
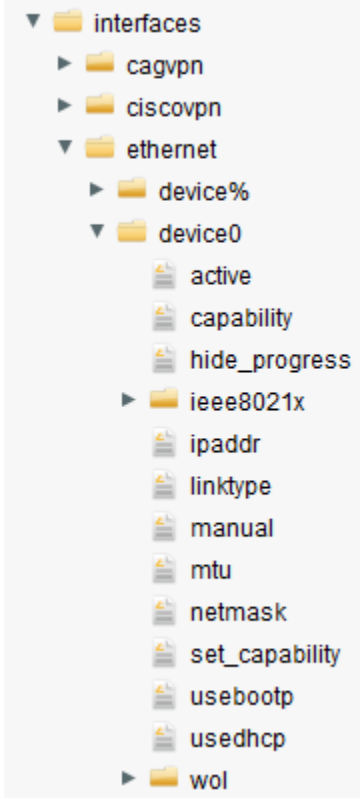
Depending on the Operating System type, the registry can have different categories, see below.

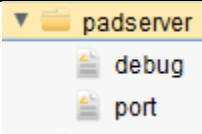
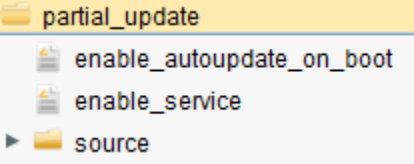
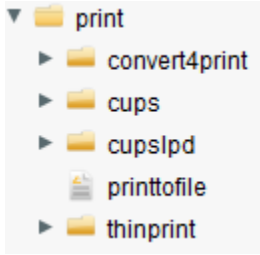
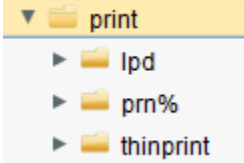
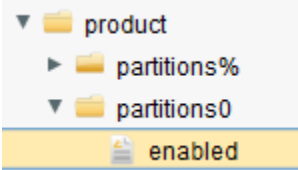
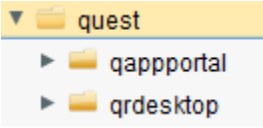
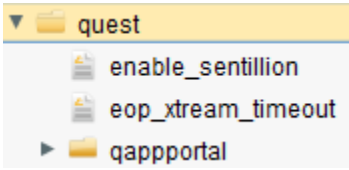
Universal Desktop LX / OS	Universal Desktop ES / ES W7	Universal Desktop CE
 <ul style="list-style-type: none">Parameter<ul style="list-style-type: none">authbrowser_pluginbrowserglobalcustom_partitiondevicesicaiseriesaccessglobaljavamultimedianetworkpadserverprintproductquestrdpscardservicessessionsspicesystemthinlincupdateuserinterfacevmwarevmwarevdmappvoipwindowmanagerxxen	 <ul style="list-style-type: none">Parameter<ul style="list-style-type: none">devicesfirmware_snapshoticanetworkpartial_updatequestrdpscardservicessessionssystemuserinterfacevoipwindowmanagerx	 <ul style="list-style-type: none">Parameter<ul style="list-style-type: none">icanetworkprintsessionssystemterminalpropertiesupdateuserinterfacevmwarevdmappwindowmanagerxxen

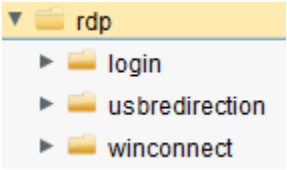
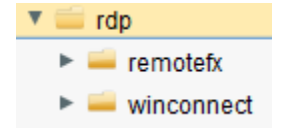
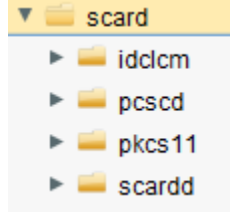
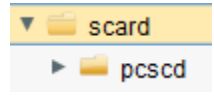
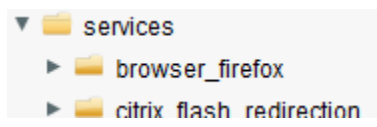
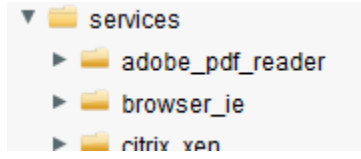
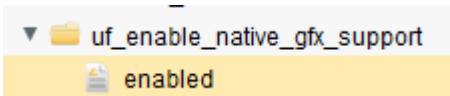
Categories in the registry by detail

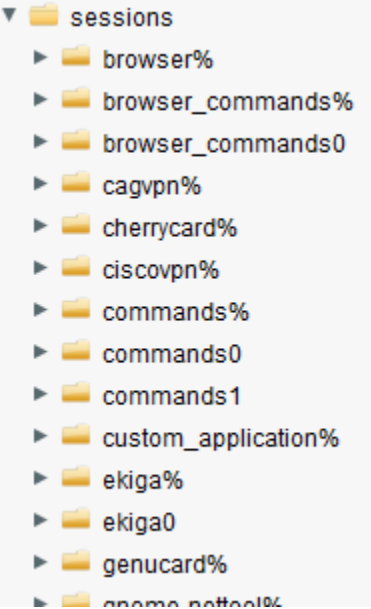
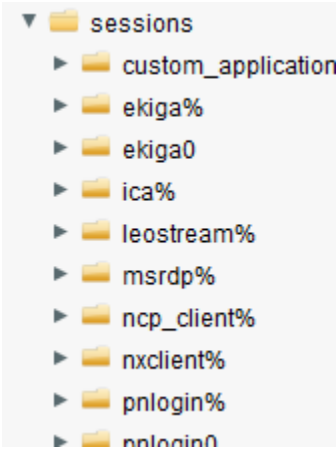
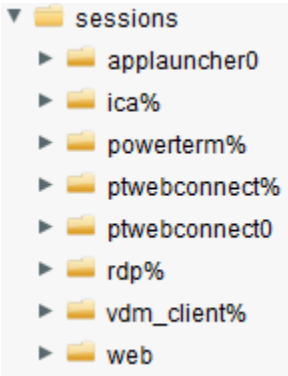
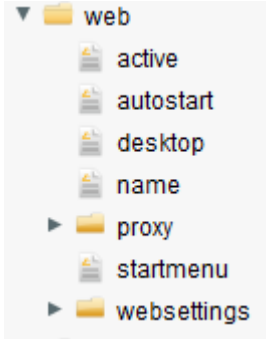
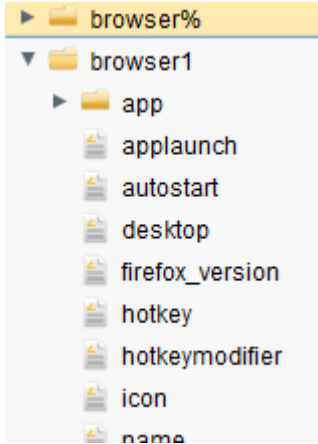
Category	Description	Applies to
<ul style="list-style-type: none"> ▼ auth <ul style="list-style-type: none"> ▶ krb5 ▶ login ▶ ums 	auth contains the configuration settings for authentication in general, this includes Kerberos configuration or if the IGEL Smart Card solution for LX/OS should be used. It do not contain settings for authentication in a Citrix Session or other.	LX / OS
<ul style="list-style-type: none"> ▼ browser_plugin <ul style="list-style-type: none"> ▶ flashplayer ▶ mozplugger ▶ redhat_spice 	browser_plugin contains the configuration for all Web browser plugin's like the Flashplayer, the PDF Reader Evince and also the Red Hat Spice client.	LX / OS
<ul style="list-style-type: none"> ▼ browserglobal <ul style="list-style-type: none"> ▶ app ▶ security_device 	browserglobal contains the configuration for the default Web browser settings, also settings to enable security devices like the Aladdin EToken can be found here.	LX / OS
<ul style="list-style-type: none"> ▼ custom_partition <ul style="list-style-type: none"> ▶ enabled ▶ mountpoint ▶ size ▶ source% 	custom_partition contains the configuration for the IGEL custom partition feature which allows to create a writable area on the thin clients HDD / CF Card. Via source new content can be deployed to the thin client and inbound into the thin client operating system. Watch out for future Whitepaper about this feature.	LX / OS
<p style="text-align: center;"><u>LX / OS</u></p> <ul style="list-style-type: none"> ▼ devices <ul style="list-style-type: none"> ▶ autofs ▶ devicemapd ▶ hotplug ▶ ports <p style="text-align: center;"><u>ES / ES W7</u></p> <ul style="list-style-type: none"> ▼ devices <ul style="list-style-type: none"> ▶ hotplug ▶ ramdrive 	<p>devices contains the configuration for the hot plug settings and the configuration how USB Drives can be handled. For LX/OS there are some hidden settings here, like the sync_option in autofs which can be disabled to improve the writing speed, the will be used for RDP or ICA write access. Also the ports like RS232 can be configured in the ports area.</p> <p>For Windows ES / ES W7 you can also configure the ramdrive here, the configuration is limited in this case to prevent none working configurations.</p>	LX / OS ES / ES W7
<ul style="list-style-type: none"> ▼ firmware_snapshot <ul style="list-style-type: none"> ▶ file ▶ ftp ▶ http ▶ leavedomain ▶ proto ▶ resetwfs 	<p>In firmware_snapshot you can find the configuration which are used for the Universal Desktop ES / ES W7 snapshot/firmware deployment or if you want to create a snapshot based on a device.</p> <p>This includes the configuration to leave a domain in advance or to reset the terminal settings during the download process. The proto setting defines which type of protocol will be used (http, ftp or file).</p>	ES / ES W7













































Category	Description	Applies to
<p style="text-align: center;"><u>LX / OS</u></p>  <p style="text-align: center;"><u>ES / ES W7</u></p>  <p style="text-align: center;"><u>CE</u></p> 	<p>ica contains the basic/global configuration for the Citrix Client, the possible settings which are available depends on the Operating System.</p> <p>All OS Version have the part wfclient available, this is similar to the wfclient.ini file / wfclient Windows registry settings which are available for Citrix Client configurations. Documentation about these settings is available at www.citrix.com. Also several 3rd Party documents/forums provide some more information's or best practices how to optimize/tweak the Citrix Client thru wfclient configuration.</p> <p>For LX you can also configure basic login settings and enable "add on" modules, for example for HDX Flash or Dictation Support. For Windows ES you have HDX Settings available in the HDX section.</p> <p>The USB redirection configuration can be done via the usbredirection configuration; this is not supported on CE based devices.</p>	<p>LX / OS ES / ES W7 CE</p>
	<p>iseriesaccessglobal contains the global/default configuration for the IBM iSeries Access Client.</p> <p>This is mostly only required if you're using the licensed version of iSeries Access, a manual for this is provided on the IBM Website for registered customers.</p>	<p>LX / OS</p>
	<p>java contains the basic/global configuration for the Java Runtime Environment which is available on the IGEL LX/OS based thin clients.</p> <p>This is used if Java Webstart Application will be used, you can configure cache, compression and other settings here.</p>	<p>LX / OS</p>
	<p>In the multimedia section you can configure a couple of global/default settings for the Mediaplayer.</p> <p>Please note: For IGEL Universal Desktop OS this can be only used if the Sound Card is correct recognized by the system.</p>	<p>LX / OS</p>

Category	Description	Applies to
<p><u>LX / OS</u></p>  <p><u>ES / ES W7</u></p>  <p><u>CE</u></p> 	<p>The network tab is one of the most important registry sections. The most important part is the interfaces sub section which contains the configuration for the network cards incl. VPN. There are couples of different settings here which are not available in the GUI, for example you can configure the MTU Size for LX/OS and more.</p> <p>Sample from a LX/OS profile:</p>  <p>For Windows ES / ES W7 is the usesmbmountconfig important, this one is not in the GUI and it disables the automatic deactivation for SMB Shares which are not configured thru the IGEL Setup or via UMS Profile. This means, SMB Shares configured thru a login script in a domain will be removed without this configuration.</p> <p>Also for all operating systems you can find the configuration for the Client VNC Server here.</p> <p>For LX / OS also different network services can be configured here, this includes also hidden Services like the sane daemon (Scanner Access Now Easy) which are not available thru the regular Setup / Profile.</p>	<p>LX / OS ES / ES W7 CE</p>

Category	Description	Applies to
	Global configuration for Step Over Pad Server	LX / OS
	Configuration for the Windows ES / ES W7 partial Update system. This system allows installing smaller packages like language Packs or Updates which are available at www.myigel.com . Also own packages can be created via the LUNA Language (see in myigel.com Manual area) or with the Deployment Assistant Tool for IGEL Thin Clients which is available at www.mhoting.de .	ES / ES W7
<p style="text-align: center;"><u>LX / OS</u></p>  <p style="text-align: center;"><u>CE</u></p> 	<p>In the print configuration section you can find all printing related settings. Note: Windows ES / ES W7 needs to be configured thru the regular Windows Interface.</p> <p>The LX / OS System is based on the Linux print service CUPS, also Thin Print and convert4print can be configured here. Thin Print and convert4print require 3rd Party Licenses for server components. Please refer to the Vendor websites to get more information's about these solutions.</p>	LX / OS CE
	<p>All services coming with the IGEL LX / OS System are mounted into the file system thru partitions.</p> <p>In the product section you can disable different partition to be mounted. Warning: Do not use this if you're not exactly knows what and why you're doing this. Use the services section which will be explained also to disable not required services.</p>	LX / OS
<p style="text-align: center;"><u>LX / OS</u></p>  <p style="text-align: center;"><u>ES / ES W7</u></p> 	<p>Global / Default configuration for the Quest vWorkspace client.</p> <p>For LX / OS you can configure also the USB and Multimedia redirection here.</p> <p>For ES / ES W7 also the Microsoft Sentillion integration can be enabled here.</p>	LX / OS ES / ES W7

Category	Description	Applies to
<p><u>LX / OS</u></p>  <p><u>ES / ES W7</u></p> 	<p>In the RDP section you can configure global RDP Settings.</p> <p>This includes the Microsoft RemoteFX support incl. the USB Redirection which is available now.</p> <p>IGEL has included the Fabulatech USB redirection support; this supports older Windows systems to provide also USB redirection here. The configuration for LX/OS can be found in rdp->usbredirection, the generic RemoteFX USB redirection can be configured in rdp->winconnect->genericusbredirection.</p> <p>Please Note: The Fabulatech solution requires an extra licensed server component!</p>	<p>LX/OS ES/ES W7</p>
<p><u>LX / OS</u></p>  <p><u>ES / ES W7</u></p> 	<p>The scard section is available to configure Smart Card related settings. For Windows ES / ES W7 based devices you can only enable the service and set the MHz rate for the IGEL in-built Omnikey reader.</p> <p>LX / OS allows to also enable 3rd Party authentication Modules like Aladdin eToken, Gemalto .Net and other solutions. Also you can do some settings for the IGEL Smart Card solution for LX/OS based devices.</p> <p>Note: For some Smart Card solutions like the german Datev Smart Card it could be necessary to change the MHz Rate for the in-built Smart Card reader.</p>	<p>LX / OS ES / ES W7</p>
<p><u>LX / OS</u></p>  <p><u>ES / ES W7</u></p> 	<p>In the services section you will see all services coming with the license for the device. This depends on the three Licenses IGEL offers (Entry, Standard and Advanced). Also you can use this area to disable not needed services.</p> <p>For IGEL Universal Desktop OS with the Advanced License is one difference to the LX OS:</p>  <p>The uf_enable_native_gfx_support allows you to enable a native graphic driver support. The graphic drivers are mostly available for Intel based GFX Cards and it's not guaranteed that every GFX Card will be work, this needs to be tested in advance.</p>	<p>LX / OS ES / ES W7</p>

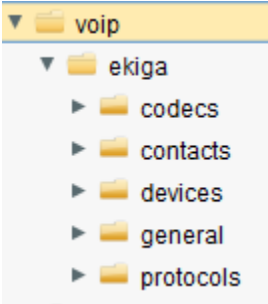
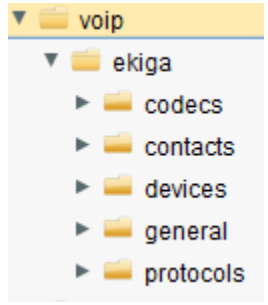
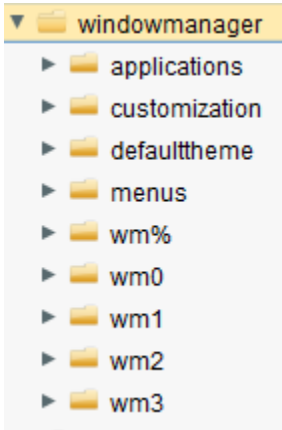
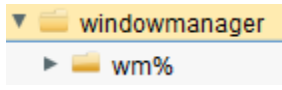
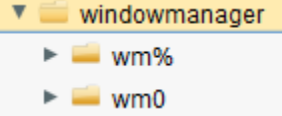
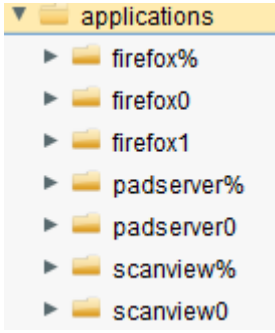
Category	Description	Applies to
<p><u>LX/OS</u></p>  <p><u>ES / ES W7</u></p>  <p><u>CE</u></p> 	<p>The sessions section is the most important area in the IGEL registry.</p> <p>All sessions which are shown for the user are configured in this section, also all default settings for sessions are stored here (sessionname%).</p> <p>Depending on the OS of the device there are differences regarding the amount of possible session's and session type's and also all the configuration sessions depending on the OS type. Sample:</p> <p>Webbrowser Session ES / ES W7 (only one session possible, no default settings available)</p>  <p>Webbrowser Session LX/OS (multiple sessions possible, default session (%) available and one configured session browser1)</p>  <p>Mostly the session names are clear and you can simply figure out which session type will be configured thru the configuration, just play / test a little bit around.</p>	<p>LX/OS ES/ES W7 CE</p>

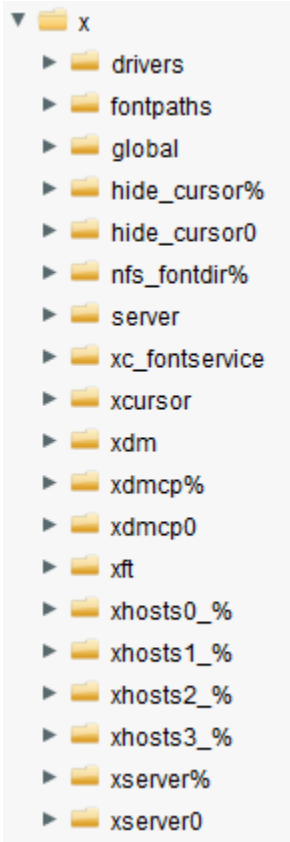
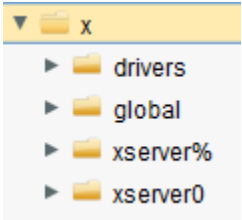
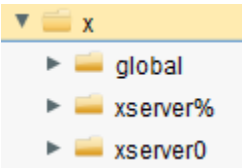
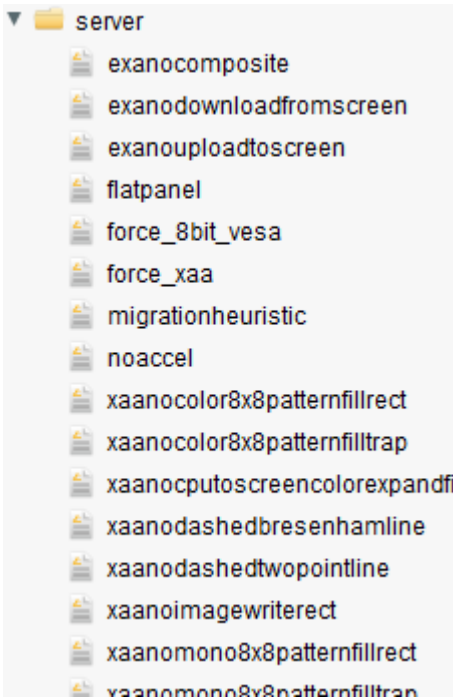
Category	Description	Applies to
<ul style="list-style-type: none"> ▼  spice <ul style="list-style-type: none"> ▶  appliance 	<p>For LX / OS you can configure the Red Hat Spice Appliance Mode, this will contain the setting to enable the mode and also to define the URL for the connection broker.</p>	LX/OS
<p style="text-align: center;"><u>LX / OS</u></p> <ul style="list-style-type: none"> ▼  system <ul style="list-style-type: none"> ▶  acpi_wakeup ▶  bootsplash ▶  cron ▶  customization ▶  environment_variables ▶  hardware ▶  idlecommand ▶  permissions ▶  remotemanager ▶  time ▶  tmpfs <p style="text-align: center;"><u>ES / ES W7</u></p> <ul style="list-style-type: none"> ▼  system <ul style="list-style-type: none"> ▶  activedirectory ▶  auto_logon ▶  crypt ▶  domainparticipation ▶  fbwf ▶  network ▶  power_management ▶  regsaver ▶  remotemanager ▶  time ▶  winservices <p style="text-align: center;"><u>CE</u></p> <ul style="list-style-type: none"> ▼  system <ul style="list-style-type: none"> ▶  remotemanager ▶  time ▶  usbstorage 	<p>The system section contains the main configuration for the Thin Client System. A couple of important services are available here, like the “remotemanager” configuration which contains the configuration for the UMS management agent.</p> <p>Depending on the OS also some other OS related system services can be configured here, typical for ES / ES W7 is the option to configure Windows Services (winservices) or the File Based Write Filter (fbwf).</p> <p>You can also find here some very useful hidden services, for LX / OS. As example cron (time scheduled command execution without the UMS). Sample:</p> <div style="border: 1px solid #ccc; padding: 5px; margin: 10px 0;"> <ul style="list-style-type: none"> ▼  cron <ul style="list-style-type: none"> ▶  cronjob% ▼  cronjob1 <ul style="list-style-type: none">  command  day_of_month  day_of_week  hour  minute  month  user  enable_cron  path </div> <p>One sub section which could be also useful is environment_variables which allows defining variables for the system via the UMS which can be used for ICA Sessions and other session types/tasks.</p>	LX / OS ES / ES W7 CE
<ul style="list-style-type: none"> ▼  terminalproperties <ul style="list-style-type: none"> ▶  variables 	<p>terminalproperties configure a few audio system settings for Windows CE based devices.</p>	CE

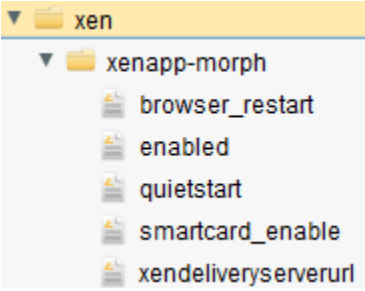
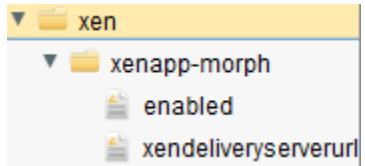
Category	Description	Applies to
<ul style="list-style-type: none"> ▼ thinlinc <ul style="list-style-type: none"> allow_hostkey_update custom_compression custom_compression_level full_screen_mode 	<p>In the thinlinc section you can configure the global / default settings for all ThinLinc Session on a LX/OS based device.</p>	<p>LX / OS</p>
<div style="display: flex; flex-direction: column; align-items: center;"> <div style="margin-bottom: 10px;"> <p><u>LX/OS</u></p> <ul style="list-style-type: none"> ▼ update <ul style="list-style-type: none"> ▶ file ▶ ftp ▶ ftpd ▶ ftps ▶ http ▶ https protocol ▶ sftp </div> <div style="margin-bottom: 10px;"> <p><u>CE</u></p> <ul style="list-style-type: none"> ▼ update <ul style="list-style-type: none"> ▶ ftp </div> </div>	<p>In the update section all settings that are used for the firmware update on LX/OS and CE based devices are stored.</p> <p>It can be compared to the firmware_snapshot section for Windows ES / ES W7 based devices but the system works different here a little bit.</p> <p>LX/OS do support update via file (USB Memory), FTP, FTPD, FTPS, http and https. You can store different update information's in the registry and then switch with the protocol setting to the needed/wanted protocol type. FTP for LX/OS supports also an automatic update check option. Means the client will check during the boot time for a firmware with a <i>higher</i> Version number.</p> <p>CE only supports updates with the FTP protocol.</p> <p>Please note: If you're using one ftp server you can put the Universal Desktop LX, Universal Desktop OS and also Universal Desktop CE firmware's in the same folder. It's not required to separate this and also Windows ES / ES W7 snapshots can be located in the same place if FTP is used for the snapshot deployment. If you want do deploy different firmware versions, for example LX 4.07.100 and LX 4.08.100, you must use different folders. Only for Windows ES / ES W7 it's possible to specify different names to have different firmware version placed in the same folder.</p>	<p>LX / OS CE</p>

Category	Description	Applies to
<p style="text-align: center;"><u>LX / OS</u></p>  <p style="text-align: center;"><u>ES / ES W7</u></p>  <p style="text-align: center;"><u>CE</u></p> 	<p>The userinterface section is also one very important area in the IGEL Registry.</p> <p>In this area you can mostly configure the end user experience. Starting from settings for the keyboard configuration, mouse handling or the desktop configuration.</p> <p>But you have also some nice hidden features here, for LX you can configure a disclaimer which pops up during the boot time or you can disable the system bell and more.</p> <p>Mostly all settings here can be also configured thru the Setup / Profile GUI.</p> <p>Also you can find here the “display” configuration for the IGEL UMS Management Agent (rmagent).</p> <p>For Windows 7 based Thin Clients you have also a lot of options available in the Sub Categories Desktop, Shell and Startmenu. From here you can configure a lot of Settings for the Administrator (user0/cpl0) and the User (user1/cpl1) account. Also it’s possible to take over the Administrator or the “secured” User configuration for Domainusers, this can be very helpful to prevent access to Windows components if the device is used with an domain account.</p> <p>Screenshot for Administrator account related settings:</p> 	<p>LX / OS</p> <p>ES / ES W7</p> <p>CE</p>

Category	Description	Applies to
<ul style="list-style-type: none"> ▼ vmware <ul style="list-style-type: none"> ▶ mouse ▶ view 	<p>Global configuration for VMWare View sessions, this includes RDP and also some PCOIP Settings.</p>	<p>LX / OS</p>
<p style="text-align: center;"><u>LX / OS</u></p> <ul style="list-style-type: none"> ▼ vmwarevdmapp <ul style="list-style-type: none"> autoconnect crypt_password debug desktopname domainname enabled handle-ctrl-alt-del kiosk-mode password protocol ▶ rrdp serverurl ▶ usb username <p style="text-align: center;"><u>CE</u></p> <ul style="list-style-type: none"> ▼ vmwarevdmapp <ul style="list-style-type: none"> autoconnect crypt_password desktopname domainname enabled server_port serverurl use_ssl username 	<p>Configuration for the VMWare View Appliance Mode, this feature is in general not available on Windows ES / ES W7 based devices.</p> <p>Please note, for LX / OS you have to Setup the RDP and USB Redirection settings here.</p> <p>For Windows CE a couple of functions are not supported compared to a LX/OS device.</p>	<p>LX / OS CE</p>

Category	Description	Applies to
<p style="text-align: center;"><u>LX / OS</u></p>  <p style="text-align: center;"><u>ES / ES W7</u></p> 	<p>VOIP contains the configuration for the in-build VOIP Client EKIGA which is available for LX / OS and ES / ES W7.</p> <p>The settings are mostly compatible between the Operating System Versions but it's recommend to use single profile depending on the OS.</p> <p>For more information's about EKIGA visit the Website http://ekiga.org/.</p>	<p>LX / OS ES / ES W7</p>
<p style="text-align: center;"><u>LX / OS</u></p>  <p style="text-align: center;"><u>ES / ES W7</u></p>  <p style="text-align: center;"><u>CE</u></p> 	<p>Similar to the userinterface section in the registry the windowmanager section contains a couple of settings related to the end user experience.</p> <p>For LX / OS you are also able to setup the behavior for some applications:</p>  <p>It's also possible to do the default theme setup and edit the menus / taskbar setup.</p> <p>In general WM% or WM0 will do the setup for the general GUI Setup, this can be quite helpful for troubleshooting (focus issues) or to setup a complete own styled GUI. For example changing the Startmenu Icon and a lot of more hidden tweaks.</p>	<p>LX / OS ES / ES W7 CE</p>

Category	Description	Applies to
<p><u>LX / OS</u></p>  <p><u>ES / ES W7</u></p>  <p><u>CE</u></p> 	<p>The x section controls mostly display related configuration.</p> <p>You can do some gfx related driver settings and also a couple of other different settings related to the display configuration</p> <p>Most important here is xserver0 for all operating systems which configures the amount of displays and also the configurations related to it.</p> <p>For LX / OS also the server sub section is very interesting to configure some graphic driver related settings which could not be found anywhere else in the IGEL Setup. But beware: changing settings here can result in a not booting or correct working system which requires a reset to factory defaults.</p> 	<p>LX / OS ES / ES W7 CE</p>

Category	Description	Applies to
<p style="text-align: center;"><u>LX / OS</u></p>  <p style="text-align: center;"><u>CE</u></p> 	<p>In the xen section you can configure the Xen Desktop Appliance Mode.</p> <p>For LX / OS the Option browser_restart is required to use this mode also with XenApp. Please note: Official this mode is designed to work with XenDesktop only, IGEL build this option on top but it's hidden here in the registry.</p> <p>For both LX / OS and also CE you should always use the XenDesktop Appliance connector as xendeliveryserverurl. For more information's about the XenDesktop Appliance connector website refer to the Citrix XenDesktop manuals which are available at www.citrix.com.</p>	<p>LX / OS CE</p>