IGEĽ

FabulaTech USB for Remote Desktop



• Getting Started with FabulaTech USB for Remote Desktop on IGEL OS (see page 3)



Getting Started with FabulaTech USB for Remote Desktop on IGEL OS

More detailed information about the function can be found on the Fabulatech partner site: http://www.usb-over-network.com/partners/igel/.

Dependencies

To use the FabulaTech USB redirection, the following apps must be installed and configured as well:

• FabulaTech Plugins

How to Disable or Enable the USB Redirection

1. In the profile configurator, go to Apps > FabulaTech USB for Remote Desktop > Settings.

🖋 Profile Configurator - FabulaTech USB		
Apps System		
 FabulaTech USB for Remote Desktop Settings 	•	Fabulatech USB Redirection [f] Default rule [f] Deny [f]
	Class Rule	les Class ID Name Override Override Postpone Takeaway No Reset
	Device Ru Rule	ules To
		Network KeepAlive timeout
	Ø	Set log level warning [[]

2. Change the settings as required.

FabulaTech USB Redirection

Fabulatech USB redirection is enabled for the sessions that are enabled in the FabulaTech Plugins app. (Default)



□ Fabulatech USB redirection is disabled.

Default rule

This rule will apply if no special rule was configured for a class or a device.

- **Deny**: Devices are only redirected if they have **Allow** rules configured under **Class Rules** or **Device Rules**. (Default)
- Allow: Devices are always redirected unless they have **Deny** rules configured under **Class Rules** or **Device Rules**.

🕑 Tip

To secure your endpoint, it is generally recommended to set **Default rule** to **Deny** and to configure **Allow** rules only for the required USB devices and USB device classes.

Class Rules

Class rules apply to USB device classes and sub-classes.

To manage rules, proceed as follows:

- Click to create a new entry.
- Click 🔲 to remove the selected entry.
- Click 💜 to edit the selected entry.
- Click 🛄 to copy the selected entry.

Clicking the **Class Rules** dialog, where you can define the options described under Class Rules (see page 5).

Device Rules

A device rule applies to a specific device that is identified by its serial number.

To manage rules, proceed as follows:

- Click to create a new entry.
- Click \Box to remove the selected entry.
- Click 🔨 to edit the selected entry.
- Click 🛄 to copy the selected entry.

Clicking brings up the **Device Rules** dialog, where you can define the options described under Device Rules (see page 8).

Network KeepAlive timeout

Interval in seconds between keep-alive messages sent to the server port to prevent the client-server link from being broken.

Set log level

Defines the degree of detail written into the log file.

Possible options:

- Debug
- Info
- Warning (Default)
- Error
- None

Class Rules

Profile Configurator - FabulaTech	JSB				
Apps System			Class Rules		
 FabulaTech USB for Remote Desktop Settings 	Defaul	abulatech USB Redirection	0	Rule Allow Class ID	- [/]
	Class Rules Rule Cla	y ss ID Name Override O		Name Policy Rule Override serial	
	Device Rules			Override name	
	Rule Ver	Rule Vendor ID Product ID Name Ov		Takeaway	
	Set log war	level		No Reset	[1] ()
## App Selector					× Close 🗸 Confirm

Rule

• **Allow**: Devices that have the properties defined here are redirected by the Fabulatech USB redirection. (Default)



• **Deny**: Devices that have the properties defined here are not redirected.

Class ID

Device class

To find out the Class ID	Subclass ID Vendor ID and Product ID of the connected USB device you can u
the System Information	a tool For further information see System Information
System Information exa	mple [.]
Devices - USB Devices - Sys	
Information View Heip	
🗘 Refresh 🚺 Genera	ate Report 🛛 Copy to Clipboard
Computer	001:001 Linux 2.0 root hub
🗌 🕦 Summary	002:001 Linux 1.1 root hub
💮 Operating System	Source Plantronics, Inc. Poly BT700
🖤 Security	
🔷 Kernel Modules	
(U) Boots	
🔎 Languages	
🧱 Memory Usage	
Filesystems	
Display	
Environment Variables	
Devices	
Frocessor	Device Information
Monitors	Product [0x02e6] (Unknown)
Memory Devices	Vendor [0x047f] Plantronics. Inc.
PCI Devices	Device Poly BT700
USB Devices	Manufacturer Plantronics
Network	Max Current 100 mA
Sk Interfaces	USB Version 2.00
- IP Connections	Speed 12 Mb/s
Routing Table	Class [0] (Defined at Interface level)
ARP Table	Sub-class [0] (Unknown)
DNS Servers	Protocol [0] (Unknown)
Statistics	Device Version 6.93
Shared Directories	

Alternatively, you can use the command lsusb (or lsusb \mid grep -i [search term]) in the terminal.

Example for lsusb:



Local Terminal (on ITC00505693271E) root@ITC00505693271E:~# lsusb | grep -i plantronics Bus 002 Device 004: ID 047f:02e6 Plantronics, Inc. Poly BT700 root@ITC00505693271E:~#

Subclass ID

Subclass relating to the specified device class

Name

Free text entry

Override serial

Serial number that will appear in the session

Override name

Device name that will appear in the session

Postpone

The USB device is only removed from the system (endpoint device) when the session starts.

□ The USB device is no longer shown immediately after the system is booted. (Default)

(i) This setting is only effective if the **Takeaway** parameter is enabled.

Takeaway

The USB device may be removed from the system (endpoint device).

□The USB device may not be removed. (Default)

No Reset

The device will not be automatically reset after the connection with the session has been terminated.

The device will be reset after the connection with the session has been terminated. (Default)



Device Rules

Profile Configurator - FabulaTech I	JSB				
Apps System			Device Rules		
FabulaTech USB for Remote Desktop Settings	C Def	Fabulatech USB Redirection		Rule Allow Vendor ID	• [/]
	Class Rules	Deny	•	Product ID	
	Rule	Class ID Name Override C	tvi 💽	Name Policy Rule Override serial	[1]
	Device Rules			Override name	
	Ne	stwork KeepAlive timeout		V Postpone	[1] ①
	Set	t log level	•	V Takeaway	[1] 0
		warning		Mo Reset	[1] -
## App Selector					× Close ✓ Confirm

Rule

- **Allow**: Devices that have the properties defined here are redirected by the Fabulatech USB redirection. (Default)
- **Deny**: Devices that have the properties defined here are not redirected.

Vendor ID

Hexadecimal manufacturer number

(i) Getting USB Device Information

To find out the **Class ID**, **Subclass ID**, **Vendor ID** and **Product ID** of the connected USB device, you can use the **System Information** tool. For further information, see System Information. System Information example:



🗘 Refresh 🔯 Generat	e Report 🔲 Copy to Clipboard
O a manufact	_
Computer	001:001 Linux 2.0 root hub
🕕 Summary	002:001 Linux 1.1 root hub
💮 Operating System	9002:004 Plantronics, Inc. Poly BT700
🖤 Security	
🔷 Kernel Modules	
(U) Boots	
🔎 Languages	
🧱 Memory Usage	
Filesystems	
Display	
Environment Variables	
Devices	
System DMI	
Processor	
Graphics Processors	Device Information
Monitors	Product [0x02e6] (Unknown)
Memory Devices	Vendor [0x047f] Plantronics, Inc.
PCI Devices	Device Poly BT700
	Manufacturer Plantronics
Network	Max Current 100 mA
Chip Connections	USB Version 2.00
	Speed 12 Mb/s
	Class [0] (Defined at Interface level)
ARP Table	Sub-class [0] (Unknown)
Statiation	Protocol [0] (Unknown)
	Device Version 6.93
one.	

Example for lsusb:

Local Terminal (on ITC00505693271E)
root@ITC00505693271E:~# lsusb grep -i plantronics Bus 002 Device 004: ID 047f:02e6 <mark>Plantronics</mark> , Inc. Poly BT700 root@ITC00505693271E:~# ■

Product ID

Hexadecimal device number

Name

Free text entry

Override serial



Serial number that will appear in the session

Override name

Device name that will appear in the session

Postpone

The USB device is only removed from the system (endpoint device) when the session starts. (Default) The USB device is no longer shown immediately after the system is booted.

(i) This setting is only effective if the **Takeaway** parameter is enabled.

Takeaway

 \checkmark The USB device may be removed from the system (endpoint device). (Default)

 $\Box The \, \text{USB}$ device may not be removed.

No Reset

The device will not be automatically reset after the connection with the session has been terminated. (Default)