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## Users Right Management on the Quadro

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Revision: 1.0

**Abstract:** This document explains the ways securing Quadro's Web access.

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## Document Revision History

Revision	Date	Description	Valid for SW	Valid for models
1.0	28-Jun-07	Initial Version	4.1.x	All Quadros

## 1 Introduction

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This document explains the ways of securing Quadro's Web access.

This document is applicable to all Quadro models running software version 4.1.x and higher.

## 2 Functional Description

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Security is a major point of Quadro's configuration and management. Poor security may cause system inconstancy and be harmful to the device functionality. An unsecured Quadro may cause extra traffic. It may also be accessed and mis-configured by an unauthorized user and finally, cause unwanted incoming and outgoing calls.

To avoid these problems, you should secure Quadro's Web access and utilization. This document will provide you with options on how to do that.

## 3 Securing Access to Quadro's Web Management

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The access to Quadro's Web Management can be secured by the appropriate network configuration: high-level firewall security or network filtering rules. These network configurations are out of the scope of this document.

Here we shall present an option of securing Quadro's Web Management in case a network configuration is missing or has a low security level.

### 3.1 Managing Web Management Password Protection

To protect Quadro's Web Management from unwanted access, accounts should be properly managed and valid passwords should be defined. Three levels of GUI administration are available on the Quadro:

**Administrator** - this is the main administrator's account. The administrator can configure to have the factory reset safe the default password or choose not to. The administrator has access to all Web GUI pages and no one else has configuration permission to adjust this account. The administrator is responsible for granting access to all other user groups.

**Local Administrator** - this is a common (sub-) administrator's account. The password is not factory reset safe. The Local Administrator can have permission to adjust each GUI page.

**Extension** - this account refers to all extensions created on the Quadro. The password for default extensions is not factory reset safe but is contained in the backed up configuration. Permissions for an extension to access each GUI page can be adjusted here.

#### 3.1.1 Administrator's Login Password Protection

One account with Administrator permission is available on the Quadro. The username for Web Management login is "admin". This username cannot be changed and permissions for the Administrator's account cannot be modified.

To protect Administrator's access to the Quadro's Web Management a proper password should be defined.

1. Login as an Administrator to Quadro's Web Management. The login username is "admin", and the password per default is "19".
2. Go to **User Rights Management** under **System** menu.

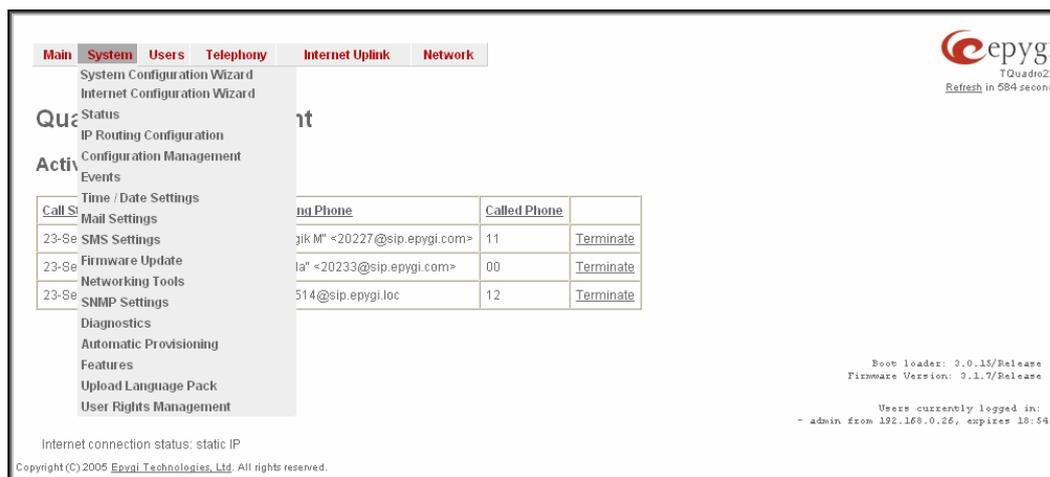


Fig. 1 System menu of Quadro's Web Management

A table for **User Right Management** is displayed.



Fig. 2 User Rights Management page

3. Click the checkbox beside the **admin** entry in the table and press **Change Password**. The **Change Password** page for Administrator permission appears.

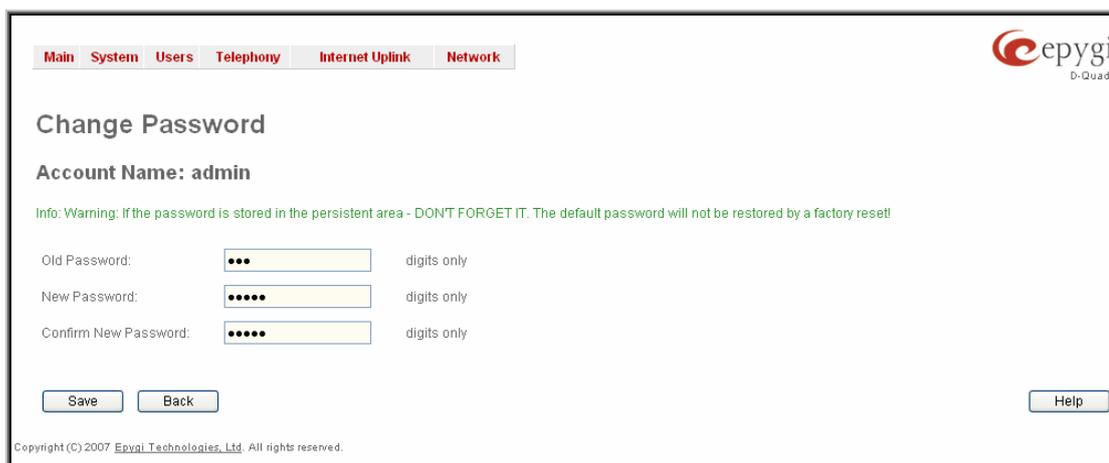


Fig. 3 Change Password page for Administrator

4. Insert the old password into **Old Password** text field. If you have never changed Administrator's password, then insert 19.
5. Insert the new password into the **New Password** text field.
6. Confirm the new password in the **Confirm New Password** text field.

**Please Note:** The Administrator's password should contain digits only. Up to 20 digits are allowed. A corresponding warning appears if any other symbols are inserted.

7. Press **Save** to apply the new Administrator's password.

**Attention:** In order to keep Administrator's password safe, do not write it down in public places and do not share it with other people. Administrator's password is the only way to protect Quadro's Web Management for the administrating person.

### 3.1.2 Local Administrator's Login Password Protection

One account with Local Administrator permission is available on the Quadro. The username for Web Management login is "localadmin". This username cannot be changed but the permissions for Local Administrator account can be modified.

The Local Administrator's account is disabled by default, so you need to enable it first. Contact your Administrator to enable it from the **User Rights Management** page. From the same page, the Administrator may also adjust the permissions for the Local Administrator account (see

Appendix).

To protect the Local Administrator's access to the Quadro's Web Management, a proper password should be defined as follows:

1. Login as an Administrator to Quadro's Web Management. The login username is "localadmin", and the password per default is "19".
2. Go to **User Rights Management** under **System** menu. A table of **User Right Management** is displayed.
3. Click the checkbox beside the **localadmin** entry in the table and press **Change Password**. The **Change Password** page for Administrator permission appears.

The screenshot shows the 'Change Password' page for the 'localadmin' account. At the top, there is a navigation menu with tabs: Main, System, Users, Telephony, Internet Uplink, and Network. The 'Users' tab is selected. The Epygi logo and 'TQuadro234' are in the top right corner. The main heading is 'Change Password'. Below it, the 'Account Name' is 'localadmin'. There are three text input fields: 'Old Password' (with two dots), 'New Password' (with three dots), and 'Confirm New Password' (with three dots). Each field has 'digits only' written to its right. At the bottom left are 'Save' and 'Back' buttons, and at the bottom right is a 'Help' button. A small copyright notice is at the bottom left: 'Copyright (C) 2007 Epygi Technologies, Ltd. All rights reserved.'

Fig. 4 Change Password page for Local Administrator

4. Insert the old password into **Old Password** text field. If you never changed Local Administrator's password, then insert 19.
5. Insert the new password into the **New Password** text field.
6. Confirm the new password in the **Confirm New Password** text field.

**Please Note:** The Local Administrator's password should contain digits only. Up to 20 digits are allowed. A corresponding warning appears if any other symbols are inserted.

7. Press **Save** to apply the new Local Administrator's password.

**Attention:** In order to keep the Local Administrator's password safe, do not write it down in public places and do not share it with other people. If you have lost or forgotten your extension's password, contact your system Administrator.

### 3.1.3 Extension User's Login Password Protection

There are numerous extensions on the Quadro per default. Users with Administrator and Local Administrator permissions are capable of creating new extensions and delete or modify the existing ones. However, extension's personal settings and password can be managed by each extension user.

To protect the Extension's access to the Quadro's Web Management a proper password should be defined as follows:

1. Login as an Extension to Quadro's Web Management. The login username is the extension number and the password per default is empty.
2. Go to **Account Settings** under **Your Extension** menu.

The screenshot displays the 'Your Extension' menu in the Quadro Web Management interface. At the top, there are navigation tabs: 'Main', 'Voice Mail', 'Your Extension', and 'Supplementary Services'. Under 'Your Extension', a sub-menu is visible with options: 'Call Statistics', 'Speed Calling', and 'Account Settings'. The main content area is titled 'Main Page' and shows 'Extension: 11'. Below this, it lists 'Available codecs list: PCMU, G726-32, PCMA, G729a, G726-16, G726-24, G726-40, iLBC'. The 'User Settings' section contains a table with the following data:

Extension	Display Name	Attached Line	SIP Address
00	Attendant		1100@sip.epygi.loc:5060
77	Attendant for Sales		77@sip.epygi.com:5050
70	AA for Marketing		70
11	Diana	Line 1	1101@sip.epygi.loc:5060
12	Bob Dillan	Line 2	1102@sip.epygi.loc:5060
13	Paul	Line 3	5610@sipcenter.com:5060
14	Michael Johnson	Line 4	51310@sip.fwd.com:5060
31	for Call Park	IP Line 1	3330@sip.quadrosip.net:5060
32	Common User	None	13130, Proxy:sip.epygi.com:5060
33	Mom	IP Line 3	66101@sip.epygi.loc:5060
79		None	111@111.111.111.111:2123

The 'FXO Settings' section contains a table with the following data:

FXO Lines	Enabled	Allowed Call Type	Route Incoming Call to	PSTN Number
FXO 1	Yes	Both incoming and outgoing calls	31	442169

At the bottom of the page, there are 'Back' and 'Help' buttons. The footer text reads: 'Copyright (C) 2005 Epygi Technologies, Ltd. All rights reserved.'

Fig. 5 Your Extension Menu of Quadro Web Management for Extension User

The **Account Settings** page appears.

Fig. 6 Account Settings page

3. Click on the **Change Password** link. A page where extension's password can be modified appears:

Fig. 7 Change Password page for extension user

4. Insert the old password into the **Old Password** text field. If you haven't ever changed the extension's password, then leave this field empty.
5. Insert the new password into the **New Password** text field.
6. Confirm the new password in the **Confirm New Password** text field.
 

**Please Note:** An extension's password should contain digits only. Up to 20 digits are allowed. A corresponding warning appears if any other symbols are inserted.
7. Press **Save** to apply the new password for an extension.

**Please Note:** If you have lost or forgotten your extension's password, contact your system Administrator.

#### Additional Option to Change the Extension's Password

You may also change the extension's password from the handset by entering Voice Mail Services (feature code - \*0) and selecting Password Change menu (feature code - 4).

## 4 Appendix

The table below shows the CGI names and the corresponding complete descriptions for the Role Extension and the Local Administrator.

### For the Role Extension

CGI Name	Description
<b>Statistics</b>	Provides access to the Call Statistics page to view Successful, Missed and Unsuccessful Outgoing Calls
<b>Forwardadd</b>	Provides access to Forwarding List-Add Entry page to configure Unconditional, Busy or No Answer call forwarding to the added entry.
<b>Huntadd</b>	Provides access to the Call Hunting Service-Add Entry page to add User Extension or an Attendant for call hunting service.
<b>Hold</b>	Provides access to the Basic Services-Hold Music Settings page to define the music that will be played when on hold
<b>Dnd</b>	Provides access to the Basic Services-Do Not Disturb Settings page to enable DND functionality
<b>Hotline</b>	Provides access to the Basic Services-Hot Line Settings page to enable the Hot Line Service.
<b>Redial</b>	Provides access to the Basic Services-General Settings page to determine the No Answer Timeout, Call Waiting and the Auto Redial services.
<b>Sds</b>	Provides access to the Speed Calling Settings page to add /edit and delete speed calling numbers.
<b>Usersettings</b>	Provides access to the Account Settings page which allows to change the password and to protect the password for incoming and outgoing calls
<b>Userpsw</b>	Provides access to the Change Password page to change the user's password.
<b>Vmail</b>	Provides access to the Voice Mailbox page which allows to manage the Voice Mails (forward, mark, delete)
<b>Vms</b>	Provides access to the Voice Mail Settings page, to configure Voice Mail Settings.
<b>Grouplist</b>	Provides access to the Group List page which allows managing group lists to send, forward voice messages to a number of addresses at once.
<b>Grouplistadd</b>	Provides access to the Address List for the group page, to define the list of addresses for the corresponding group.
<b>Supservices</b>	Provides access to the Caller ID Based Services for Any Address page to configure Caller ID Based services for the corresponding extension depending on a certain address (Hiding Caller Information, Incoming/Outgoing Call Blocking, Distinctive Ringing, Call Hunting, Many Extension Ringing, Unconditional Call Forwarding, Busy Call Forwarding, No Answer Call Forwarding, and Intercom).

CGI Name	Description
<b>Addressmanagement</b>	Provides access to the Caller ID Based Services page which contains a table of the caller ID based services with ON/OFF status.
<b>Callhandlingindex</b>	Provides access to the Caller ID Based Services and Basic Services page only in Plain GUI theme
<b>Yourextensionindex</b>	Provides access to the Call Statistics, Speed Calling, Account Settings pages only in Plain GUI theme
<b>Voicemailindex</b>	Provides access to the Voice Mailbox, Voice Mail Settings and Group List pages only in Plain GUI theme
<b>Rtpstatistics</b>	Provides access to the RTP Statistics page which provides detailed information about the established call when Quadro serves as an RTP proxy.
<b>Faxstatistics</b>	Provides access to the Fax Statistics page which provides information about received fax packets of the established fax call.

#### For the Role Local Administrator

CGI Name	Description
<b>nettools</b>	Provides access to the Networking Tools page and offers two services to check the Internet connection: Ping and Traceroute.
<b>eventedit</b>	Provides access to the Edit Event Settings page and allows editing the selected event
<b>event</b>	Provides access the Events page, with two sections: System Events and Event Settings
<b>features</b>	Provides access to the Features page listing all features, that may be activated by a software key
<b>diag</b>	Provides access to the System Diagnostics page to start detecting WAN protocol, ISDN and Network Diagnostics as well as to reboot the device and download system logs.
<b>autoprovisioning</b>	Provides access to the Auto Provisioning page to automatically configure the WAN network settings of Quadro
<b>mail</b>	Provides access to the System Mail Settings page to automatically generate emails
<b>sms</b>	Provides access to the SMS Settings page to send voice mail notifications or event notifications via SMS
<b>Rightsmanagement</b>	Provides access to the User Rights Management page to set restrictions and grant access to certain Web GUI configuration pages.
<b>Rightschange</b>	Provides access to the Change Access Rights page, to define permissions to access Quadro GUI pages for each selected user

CGI Name	Description
<b>timedate</b>	Provides access to the Time/Date Settings page
<b>Timedateadd</b>	Provides access to the Add SNTP Server and Edit SNTP Server pages to configure Quadro as an SNTP server
<b>backuprestoreconf</b>	Provides access to the Configuration Management page to manage the system configuration settings and the voice data, download and upload the legible configuration, configure the automatic configuration backup and restore the system defaults settings
<b>autobackupconfig</b>	Provides access to the Automatically Backup Configuration Settings page to enable the automatic backup of the system configuration and the voice data
<b>iprouting</b>	Provides access to the IP Routing Configuration to create IP Static, IP Policy and VPN routes for the routing of IP packets
<b>editstaticroute</b>	Provides access to the Add IP Static Route page and Edit IP Static Route page to manage IP Static Routes
<b>editpolicyroute</b>	Provides access to the Add IP Static Route page and Edit IP Static Route page to manage IP Policy Routes
<b>editvpnroute</b>	Provides access to the Add VPN Route and the Edit VPN Route pages to manage VPN Routes
<b>Languageupload</b>	Provides access to the Upload Language Pack page, that allows you to upload Voice Messages and a custom language for GUI as well as remove the current Language Pack
<b>netwizard</b>	Provides access to the Internet Configuration Wizard to configure the WAN interface settings and to adjust Quadro's connectivity with external network
<b>syswizard</b>	Provides access to the System Configuration Wizard to define the Quadro's Local Area Network settings and to specify regional configuration settings
<b>Snmconfig</b>	Provides access to the Simple Network Management Protocol Settings page to manage network performance, find and solve network problems, and plan for network growth
<b>status</b>	Provides access to the System Status page which displays non-editable tables providing extensive system status information about Quadro
<b>Usermanagement</b>	Provides access to the Extensions Management page to create a variety of extensions and auto attendants on the Quadro
<b>Usermanagementadd</b>	Provides access to the Extensions Management - Add Entry to define the type and number of the new extension
<b>bandwidthhistory</b>	Provides access to the Call Bandwidth Statistics page which allows to build a chart with call traffic bandwidth usage per day/hour

CGI Name	Description
<b>Usermanagementedit</b>	Provides access to the Extensions Management –Edit Entry page to adjust a newly created user or attendant extension settings
<b>Usermgmtgensettings</b>	Provides access to the Extensions Management –Edit Entry-General Settings page to configure the extension's personal information
<b>Usermgmtsipsettings</b>	Provides access to the Extensions Management –Edit Entry-SIP Registration Settings page to configure the extension's SIP registration settings
<b>Usermgmtsipadvsettings</b>	Provides access to the Extensions Management – Edit Entry - SIP Advanced Settings page to configure the extension's advanced SIP settings
<b>Usermgmtremotesettings</b>	Provides access to the Extensions Management – Edit Entry - SIP Remote Extension Settings to remotely operate Quadro
<b>Usermgmtvmsettings</b>	Provides access to the Extensions Management – Edit Entry - Voice Mailbox Settings page to manage Voice Mail service for the corresponding extension and to define the location where voice mails will be collected
<b>Usermgmtcallqueuesettings</b>	Provides access to the Extensions Management – Edit Entry - Call Queue Settings page to keep multiple incoming calls in a queue and to answer them in the order they have been received
<b>Usermgmtlicensesettings</b>	Provides access to the Extensions Management – Edit Entry - License Settings page to configure the extension to be used by the Quadro Communication Manager (QCM) soft-phone application
<b>Linesettings</b>	Provides access to the Line Settings page to configure Quadro FXS and IP Line settings
<b>Linesettingsadd</b>	Provides access to the Edit Line Settings page to select the Caller ID method, configure remote party disconnect indication, enable FAX support on the line and select a ringer type.
<b>lineipsettingsadd</b>	Provides access to the Edit IP Line Settings page to configure the IP line
<b>Codecsmanagement</b>	Provides access to the Extension Codecs page with all Active Codecs table
<b>Fxo</b>	Provides access to the FXO settings page with the list of local FXO Lines, shared FXO lines on the remote devices and their settings
<b>Vpn</b>	Provides access to the VPN Configuration page which consists of two sections: IPsec Configuration and PPTP/L2TP configuration
<b>Ipssec</b>	Provides access to the IPsec Connection Settings page, with an overview of all existing IPsec connections, listed in a table

CGI Name	Description
<b>vpnwizard</b>	Provides access to the IPsec Connection Wizard which is a helpful tool for the Quadro administrator to create an IPsec Connection
<b>vpnwizardaddpage</b>	Provides access to the IPsec Connection Wizard-Add IPsec Connection to configure IPsec connection
<b>vpnwizardgatewaypage</b>	Provides access to the IPsec Connection Wizard-IPsec Connection Properties to configure IPsec connection
<b>vpnwizardautokeypage</b>	Provides access to the IPsec Connection Wizard-Automatic keying to configure IPsec connection
<b>vpnwizardmanualkeypage</b>	Provides access to the IPsec Connection Wizard-Manual keying
<b>vpnrsakey</b>	Provides access to the RSA Key Management page
<b>vpnstartinfo</b>	Provides access to the VPN Start (IPsec Connection Info) page displayed during establishing a VPN connection
<b>ipsecondetails</b>	Provides access to the IPsec Connection Details page
<b>pptpl2tp</b>	Provides access to the PPTP/L2TP Configuration page, where a new PPTP and L2TP connection can be configured
<b>pptpl2tpwizard</b>	Provides access to the PPTP/L2TP Connection Wizard page which is used to create and configure a new PPTP or L2TP connection
<b>pptpl2tpwizardaddpage</b>	Provides access to the PPTP/L2TP Connection Wizard-Add PPTP/L2TP Connection page
<b>pptpl2tpwizardpage</b>	Provides access to the PPTP/L2TP Connection Wizard-PPTP Connection Properties page
<b>pptpl2tplog</b>	Provides access to the VPN Connection Info page, that displays the logout information about PPTP/L2TP connection status
<b>Directoryservice</b>	Provides access to the Extensions Directory a useful tool for callers to get direct access to the Quadro extensions by spelling the user's name with the help of the phone keypad
<b>Regional</b>	Provides access to the Regional Settings and Preferences page to select settings according to the location where Quadro is currently located
<b>codecgaincontrol</b>	Provides access to the Gain Control page, which consists of the Transmit Gain and Receive Gain drop down lists for each line
<b>operationmode</b>	Provides access to the External PSTN Gateways page
<b>siptrunksettings</b>	Provides access to the SIP Trunking Settings page to build a tunnel between Quadros and to use that tunnel for routing the SIP calls through the remote Quadros

CGI Name	Description
<b>Receptionist</b>	Provides access to the Receptionist Management to configure IP phones to be used as a receptionist on the Quadro.
<b>Rpcwizard</b>	Provides access to the Receptionist Phone Configuration Wizard page to create and configure a new receptionist phone
<b>provider</b>	Provides access to the PPP/PPTP Settings page, to establish a connection over the DSL link (or any other type of uplink) to the ISP (provider party)
<b>dyndns</b>	Provides access to the Dynamic DNS Settings page to map a dynamic IP address to a host name
<b>dns</b>	Provides access to the DNS Settings page to assign the correct IP addresses to the requested domain name
<b>firewall</b>	Provides access to the Firewall Configuration page to setup a firewall, to configure the security level and to enable the NAT and IDS services
<b>Advancedfwsettings</b>	Provides access to the Advanced Firewall Settings page to deny Ping and Port scanning operations addressed toward the device
<b>Filter</b>	Provides access to the Filtering Rules page to configure filters for incoming and outgoing traffic
<b>Filteradd</b>	Provides access to the Add Filtering Rules page, that shows the event type in it's headline, for which the filtering rule is being defined
<b>Ippool</b>	Provides access to the IP Pool Configuration page to create or modify groups of IP addresses that have the same restriction criteria
<b>Ippooladd</b>	Provides access to the IP Pool Group Configuration page, where all existing members of the selected group are listed with their Member IP addresses.
<b>servicepool</b>	Provides access to the Service Pool Configuration page to create new services with the appropriate settings
<b>Ppp</b>	Provides access to the Advanced PPP Settings page to enable/disable certain parts of the negotiation process during connection establishment.
<b>radiussettings</b>	Provides access to the RADIUS Client Settings page to enables RADIUS client on the Quadro
<b>Radiushidden</b>	Provides access to the RADIUS Hidden Settings page
<b>Dnsserver</b>	Provides access to the DNS Server Settings page to configure DNS server settings on the Quadro and to define a list of aliases for the devices in the Quadro's LAN.

CGI Name	Description
<b>Dnserveradd</b>	Provides access to the DNS Server Settings - Add Host page to define aliases for the device in the Quadro's LAN.
<b>dhcphostadd</b>	Provides access to the DHCP Settings for the LAN Interface - Add Host page to define a new static MAC address binding.
<b>dhcp</b>	Provides access to the DHCP Settings page to enable a DHCP server and control the Quadro user's LAN settings
<b>dhcp-leases</b>	Provides access to the DHCP Leases page which displays the list of the leased host addresses that are part of Quadro LAN
<b>autologin</b>	Provides access to the Authorized Phones Database page which consists of the Authorized Phones Database table where trusted phones are listed.
<b>idslog</b>	Provides access to the IDS (Intrusion Detection System) Logs page which presents information on dropped packets and the senders responsible for those packets
<b>rtp</b>	Provides access to the RTP (Real Time Protocol) Settings page to configure codec's packet size and silence suppression for each voice codec
<b>Sip</b>	Provides access to the SIP (Session Initiation Protocol) Settings page to allow selecting DNS server configurations for SIP
<b>vmcs</b>	Provides access to the Voice Mail Common Settings page to configure the Voice Mail recording codec and memory allocation for voice mails and user defined system messages
<b>nattraversal</b>	Provides access to the NAT Settings page to configure General Settings, SIP Parameters, RTP Parameters, STUN Parameters and NAT Exclusion Table
<b>callrt</b>	Provides access to the Call Routing page which simplifies the calling procedure for Quadro users, i.e. different types of calls (internal, SIP, PSTN or IP-PSTN) may be accomplished in the same way.
<b>routingmanagement</b>	Provides access to the Call Routing Table page, in which creating patterns gives a possibility to establish a direct connection to the destination or to use a SIP server to route calls through it
<b>rmmoveto</b>	Provides access to the Move To page to move the selected entry to some other position in the Call Routing Table
<b>Lanindex</b>	Only in Plain GUI theme to access the Network link
<b>Systemindex</b>	Only in Plain GUI theme to access the System link
<b>Telephonyindex</b>	Only in Plain GUI theme to access the Telephony link

CGI Name	Description
<b>Uplinkindex</b>	Only in Plain GUI theme to access the Internet Uplink link
<b>Usersindex</b>	Only in Plain GUI theme to access the Users link
<b>Changeextlength</b>	Provides access to the Change Extension Length page to define the extension settings applicable to all extensions on the Quadro
<b>Checklist</b>	Provides access to the Install Checklist page and serves as an instruction for the most useful actions and lists the corresponding hyperlinks to initially setup and configure the Quadro
<b>Qosnotification</b>	Provides access to the Configure Call Quality Event Notification page to configure event notification policy when the call quality is lower than the allowed level
<b>Edittrap</b>	Provides access to the Add SNMP Traphost page, to add a new traphost
<b>firmwareupload</b>	Provides access to the IP Phones Firmware Upload page to upload the SIP phone firmware to the Quadro's external USB flash memory, and then to load and install it to the certain SIP phone
<b>local</b>	Provides access to the System Configuration Wizard - System Configuration page to specify the Quadro's host name, IP address and subnet mask on the LAN side
<b>Emergency</b>	Provides access to the System Configuration Wizard - Emergency Codes and PSTN Access Codes Settings page to configure the dial plan parameters used in the routing mode
<b>Uplink</b>	Provides access to the Internet Configuration Wizard - Uplink Configuration page to specify the Quadro's WAN interface connection type and its bandwidth settings
<b>Ethconfig</b>	Provides access to the Internet Configuration Wizard - WAN IP Configuration page where IP addresses of the uplink interface, the subnet mask, and the default gateway should be defined
<b>wanmac</b>	Provides access to the WAN Interface Configuration page to modify the MAC address of Quadro
<b>voipcarrierwizard</b>	Provides access to the VoIP Carrier Wizard to define access codes for available VoIP Carrier accounts
<b>Voipcarrierselect</b>	Provides access to the VoIP Carrier Wizard-Select VoIP Carrier page
<b>voipcarriersettings</b>	Provides access to the VoIP Carrier Wizard-VoIP Carrier Settings page
<b>voipcarrieraccesscode</b>	Provides access to the VoIP Carrier Wizard-VoIP Carrier Access Code page
<b>voipcarriersummary</b>	Provides access to the VoIP Carrier Wizard-VoIP Carrier Summary page

CGI Name	Description
<b>rpcphonemodel</b>	Provides access to the Receptionist Phone Configuration Wizard-IP Phone Model page
<b>rpcmappediplines</b>	Provides access to the Receptionist Phone Configuration Wizard-Mapping IP Lines To Programmable Keys page
<b>rpcwatchedext</b>	Provides access to the Receptionist Phone Configuration Wizard- Watched Extensions page
<b>rpcsrvcodewatchedext</b>	Provides access to the Receptionist Phone Configuration Wizard part Programmable Keys Configuration page
<b>rpcsettingsinfo</b>	Provides access to the Receptionist Phone Configuration Wizard part Summary page
<b>Getconfsummary</b>	Provides access to the Configuration Summary page to generate a piece of legible configuration and to download it to a PC or to view it directly in the browser
<b>Putconf</b>	Provides access to the Upload Legible Configuration page to upload a configuration file in a text format
<b>Generatemib</b>	Provides access to the MIB Generator for SNMP page
<b>atm-statistics</b>	Provides access to the ATM Statistics page
<b>universal</b>	Provides access to the Upload Universal Extension Recordings page, where recordings are to be defined by the Quadro administrator. They will stand instead of the default voice messages for all extensions on the Quadro and will be used when no custom messages have been uploaded or recorded
<b>line</b>	Provides access to the Transfer Statistics page that offers statistic tables to show a user-defined statistics table with the transmit/receive value, interface type and time period
<b>Callpolicy</b>	Provides access to the Call Policy hidden cgi
<b>usermgmtscenariosettings</b>	Provides access to the Attendant Scenario Settings page, to select between default and custom attendant functionality scenarios
<b>uploadfile</b>	Provides access to the Upload Custom Scenario Voice Messages page to upload voice messages to be played in the custom Auto Attendant scenario
<b>Updateconfiguration</b>	Provides access to the Automatic Firmware Update page
<b>lcrwizard</b>	Provides access to the Call Routing Wizard page to create a new pattern in the local call routing table
<b>Lcrwizardcalltype</b>	Provides access to the Call Routing Wizard-Routing Call Type page
<b>lcrwizardcstimeslots</b>	Provides access to the Call Routing Wizard-Routing Call Settings page

CGI Name	Description
<b>lcrwizardtimeslots</b>	Provides access to the Call Routing Wizard-Select Inbound Timeslots page
<b>lcrwizardcallsource</b>	Provides access to the Call Routing Wizard -Select Timeslots page
<b>lcrwizardcssettings</b>	Provides access to the Call Routing Wizard -Inbound Call Type page
<b>lcrwizarddatetimeperiod</b>	Provides access to the Call Routing Wizard-Inbound Call Settings page
<b>lcrwizardfinish</b>	Provides access to the Call Routing Wizard- Date/Time Rules page
<b>pickupgroup</b>	Provides access to the Call Routing Wizard part Summary page
<b>sysintro</b>	Provides access to the System Configuration Wizard - Getting Started page
<b>Netintro</b>	Provides access to the Internet Configuration Wizard - Getting Started page
<b>Sysextro</b>	Provides access to the System Configuration Wizard - Summary page
<b>Netextro</b>	Provides access to the Internet Configuration Wizard part Summary page
<b>accesslist</b>	Provides access to the Access List of Extension page, lists all users and the appropriate permissions to use the Call Pickup or Paging Call services on the extension
<b>isdntrunk</b>	Provides access to the ISDN Trunk Settings page to configure the ISDN trunk and its signaling
<b>isdnwizard</b>	Provides access to the ISDN Wizard page to configure the ISDN signaling settings of the selected trunk(s)
<b>isdnstat</b>	Provides access to the ISDN Trunk Status page, that provides information about the state of the selected trunk
<b>Trunkstathistory</b>	Provides access to the ISDN Channel Usage Statistics page
<b>Isdnsignaling</b>	Provides access to the MSN Service page, which consists of a table where all existing MSN numbers on the Quadro are listed
<b>Interfacestatistics</b>	Provides access to the LAN Interface Statistics page
<b>editsnmpv3</b>	Provides access to the Add Snmp V3 User page
<b>isdnwizarddid</b>	Provides access to the ISDN Wizard -ISDN DDI Settings page
<b>Burn</b>	Is the last page of Firmware Update procedure and shows progress of uploading
<b>Featurelockedinfo</b>	Opens when the user tries to reach to some features with a disabled key.

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<b>CGI Name</b>	<b>Description</b>
<b>isdnwizardlowlevel</b>	Provides access to the ISDN Wizard -ISDN Low Level Settings page
<b>isdnwizardmsn</b>	Provides access to the ISDN Wizard -Routing Settings page
<b>isdnwizardsettings</b>	Provides access to the ISDN Wizard - L2 & L3 Settings page
<b>isdnwizardfinish</b>	Provides access to the ISDN Wizard- Summary result of ISDN BRI Settings page
<b>isdnnetworkmode</b>	Provides access to the ISDN Network Mode page

## 5 References

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Following documents for the corresponding software release:

- Quadro Manual I – Installation Guide,
- Quadro Manual II - Administrators Guide,
- Quadro Manual III – Extension User's Guide.