

# How To Configure SIP Trunk for your ITSP

**KPN VoiPConnect** 



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# Table of History

| Date       | Version | Changes                   |
|------------|---------|---------------------------|
| 2016-05-02 | 1.0     | First version             |
| 2016-10-26 | 2.0     | Changed to latest setting |
| 2017-06-22 | 2.1     | Changes for V2R3 (ab)     |



## **Configuration Data**

Infomation from ITSP KPN Telecom NL provided:

| Name of Customer<br>Related Data | Example                | Used in Field<br>of OSBiz-WBM    | Needs to be<br>configured |
|----------------------------------|------------------------|----------------------------------|---------------------------|
| Call Number:                     | (0311) 40463x (DDI-10) |                                  |                           |
| Number of DIDs                   | 10                     |                                  |                           |
| Number of DID digits             | 9                      |                                  |                           |
| SIP Domain                       | kpn.nl                 | SIP Domain<br>Name:              |                           |
| SBC_IP:                          | 10.122.216.84 UDP 5060 | SIP Provider<br>Proxy            | ×                         |
| Account<br>(gebruikersnaam):     | 31311404630            | Internet<br>Telephony<br>Station | x                         |



## **Configuration Wizard**

#### **Internet Telephony**

Go to "Central Telephony – Internet Telephony"

| UNIFY Harmonize  | prise  | OpenScape Business Assistant |
|--|--|------------------------------|
| System in networkd Synchronization sta                               | tus: O   | administrator@system Logoff  |
| Home Setup Expert mode   | Data Backup License Management Service Center Networking   |                              |
| Setup  |  | 1                            |
| ▼ Wizards  | Central Telephony  | 0                            |
| Basic Installation<br>Network / Internet<br>Telephones / Subscribers | Edit CO Trunk ISDN / Analog / ITSP<br>Point-to-multipoint connections (MSN) and PABX number for ISDN connections, an<br>assignment of analog and ITSP trunks | d                            |
| Central Telephony  | Internet Telenhony   |                              |
| User Telephony<br>Security   | Edit Access parameters of the Internet Telephony Service Provider (ITSP), e.g., user ac<br>password, SIP station number                                      | count,                       |
| UC Smart   | Edit Phone Book / Speed Dialing<br>Set up central speed-dial destinations for the system's internal phone book   |                              |
|  | Edit Call Detail Recording<br>Set up call detail recording connection parameters for call detail applications  |                              |
|  | Edit Record new melodies and announcements for Music on Hold and announcement be<br>answering  | fore                         |
|  | Edit Edit Entrance telephone<br>Set up call allocation and access authorization for the entrance telephone at the ana<br>station connection                  | log                          |
|  | Edit SmartVM<br>Set up SmartVM   |                              |
|  |  |                              |

The overview page appears for entering the location data. The most flexible type of configuration is to enter the Country code only.

| Setup - Wizards - Central Telephony - Internet Telephony  |                         | 8           |
|---|-------------------------|-------------|
| Ove   | rview                   |             |
| Note: changes done in expert mode must be reviewed/repeated after running through the wizard.<br>Note: At least the configuration of the 'Country code' is needed for features such as 'Internet telephony' an<br>PABX number | id 'MeetMe conference'. |             |
| Country code:   | 31                      | (mandatory) |
| Local area code:  |                         | (optional)  |
| PABX number:  |                         | (optional)  |
|   |                         |             |
| Help Abort Back OK & Next   |                         |             |

As outgoing number only the port assigned phone numbers are used. In this case, remaining digits are filled in DID field. Click [OK & Next]



Provider configuration and activation for Internet Telephony

No call via Internet -> uncheck

Use County specific view: Netherlands and select KPN.

| Setup - Wizards - Cen | ntral Telephony - Internet Telephony             |  | × |      |
|-----------------------|--|--|---|------|
|                       |  | Dravider configuration and activation for Internet Talankany | ^ | ogol |
|                       |  | Provider configuration and activation for internet relephony |   | 8    |
|                       |  | No call via Internet:  |   | 0    |
|                       |  | Country specific view: Netherlands                           |   |      |
| Note: changes done in | expert mode must be reviewed/repeated after runn | ing through the wizard.                                      | - |      |
| Add                   | Activate Provider                                | Other Provider   | 1 |      |
| Edit                  |  | BCOM   |   |      |
| Edit                  |  | COLT UK & Europe   |   | H    |
| Edit                  |  | COLT VPN   |   | H    |
| Edit                  |  | Deanconnect B.V.   |   |      |
| Edit                  |  | Infopact   |   |      |
| Edit                  |  | KPN  |   | H    |
| Edit                  |  | Motto Communications   |   |      |
| Edit                  |  | oneCentral   |   |      |
| Edit                  |  | Onerse   |   | H    |
| Edit                  |  | Priority Telecon   |   | H    |
| Edit                  |  | RoutiT   |   |      |
| Edit                  |  | Skype Connect  |   | H    |
| Edit                  |  | SpeakUp  | ~ |      |
| Help                  | Abort Back OK & Next                             | Display Status   |   |      |
|                       |  |  |   | 1    |

Activate Provider and click on [Edit].

Click "OK & Next"

On the next page the preconfigured data are shown. On this page you MUST enter the SBC\_IP address you received from KPN (e.g. 10.122.216.84) Transport protocol and port are already defined.

| Setup - Wizards - Central Telephony - Internet Telephony |                    |
|--|--------------------|
| Internet Telephon  | y Service Provider |
| Provider Name:   | KPN                |
| Enable Provider:   | 8                  |
| Secure Trunk:  |                    |
| Domain Name:   | kpn.nl             |
| Provider Registrar<br>Use Registrar                      | 0                  |
| IP Address / Host name:                                  | 0.0.0.0            |
| Port:  | 5060               |
| Reregistration Interval at Provider (sec)                | 600                |
| Provider Proxy IP Address / Host name:                   | please insert ip   |
| Port:  | 5060               |
| Provider Outbound Proxy<br>Use Outbound Proxy:           | 0                  |
| IP Address / Host name:                                  | 0.0.0.0            |
| Port:  | 0                  |
|  |                    |
| Help Abort Back OK & Next Delete I                       | Data               |



## **Internet Telephony configuration**

In this dialog the specific customer SIP Userdata will be configured.



Click on [Add].



Data provided by ITSP KPN as described in page 3 taken from the relevant table are filled in here.Internet telephony station:SIP Username is inserted here (gebruikersnaam)Authorization name:SIP Username is inserted here (gebruikersnaam), although it's notnecessarySIP Username is inserted here (gebruikersnaam), although it's not

Password:

Password is not required (wachtwoord)

| Setup - Witzards - Central Telephony - Internet Telephony   |  |  |
|---|--|--|
| Internet Telephony Station for KPN  |  |  |
| Internet telephony station 31311404630<br>Authorization name 31311404630<br>Password Confirm Password   |  |  |
| Immiser assignment         Vise nubler (DID) •           Use internal number (Calino) / Single entries            Use internal number (Calino) / Range entry            Use internal number (Calino) / Range the configuration to 'Use public number (DID') herel            Anariging truth grammeters in case of internal subscriber no. is not allowed!  |  |  |
| Default Number: [+31311404630] ×]<br>MEX Number: [  |  |  |
| Default Number<br>ITSP as primary CC access<br>Enter one of the call numbers supplied by your network provider here. This will be used in outgoing calls as the calling party number in case no other number is available for the respective call.<br>All call numbers supplied by your network provider are to be entered within the trunk and telephones configuration (DID field) primary CC access. |  |  |
| MEX Number<br>To use the feature Mobile Extension (MEX) you have to enter a MEX number here. An entered MEX number will only be stored if the ITSP is marked as 'active'.<br>For use of MEX it is also necessary to configure a DISA number.  |  |  |
|   |  |  |
| Help Abort Back OK & Next Delete Data   |  |  |

Hint: Default number should be in the same format as the rest of the DID numbers which are sent from Osbiz in outgoing calls in SIP From header. This number is used when there is no DID configured at the station which initiates the outgoing call and there is no Intercept with configured DID defined.

Click [OK & Next].

| Setup - Wizards - C | entral Telephony - Internet Telephony |   |
|---------------------|---------------------------------------|---|
|                     | Internet Telephony Stations for KPN   |   |
|                     | Name of Internet Telephony Station    | 1 |
| Edit                | 31311404630                           | I |
|                     |                                       |   |
| Help                | Abort Back OK & Next                  |   |

Click [OK & Next].



| Setup - Wizards - Central Telephony - Internet Telephony            |   |                       | ×                                     |
|---|---|-----------------------|---------------------------------------|
|   | Call Number Assignmen   | nt for KPN            |                                       |
| Name of Internet Telephony Station                                  | Internet Telephony Phone Number                                 | Direct inward dialing | Use as PABX number for outgoing calls |
| In order to complete the configuration please verify that the relev | ant user DIDs are set in stations.(Telephones / Subscribers cor | nfiguration)          |                                       |
|   |   |                       |                                       |
|   |   |                       |                                       |
|   |   |                       |                                       |
|   |   |                       |                                       |
|   |   |                       |                                       |
|   |   |                       |                                       |
|   |   |                       |                                       |
|   |   |                       |                                       |
|   |   |                       |                                       |
|   |   |                       |                                       |
|   |   |                       |                                       |
|   |   |                       |                                       |
|   |   |                       |                                       |
|   |   |                       |                                       |
| Help Abort Back OK & Ne   | xt  |                       |                                       |

#### Click [OK & Next] (no input needed)

| Setup - Wizards - Central Telephony - Internet Telephony |  |                                     |  |  |
|--|--|-------------------------------------|--|--|
|  | Provider configuration and activation for Internet Telephony |                                     |  |  |
|  |  | No call via Internet:               |  |  |
|  |  | Country specific view: Netherlands  |  |  |
| Note: changes don  | e in expert mode must be reviewed/repeated after runn        | ing through the wizard.             |  |  |
|  | Activate Provider  | Internet Telephony Service Provider |  |  |
| Add  |  | Other Provider                      |  |  |
| Edit   |  | BCOM                                |  |  |
| Edit   |  | COLT UK & Europe                    |  |  |
| Edit   |  | COLT VPN                            |  |  |
| Edit   |  | Deanconnect B.V.                    |  |  |
| Edit   |  | Infopact                            |  |  |
| Edit   | V  | KPN                                 |  |  |
| Edit   |  | Motto Communications                |  |  |
| Edit   |  | oneCentral                          |  |  |
| Edit   |  | OneXS                               |  |  |
| Edit   |  | Priority Telecom                    |  |  |
| Edit   |  | RoutiT                              |  |  |
| Edit   |  | Skype Connect                       |  |  |
| Edit   |  | SpeakUp                             |  |  |
| Help   | Abort Back OK & Next   | Display Status                      |  |  |

Click [OK & Next]



### Define bandwidth (# Trunks)

In the next part the number of simultaneous calls via the SIP trunk will be defined. The calculation of the number of trunks is done by the wizard automatically depending on the bandwidth. For each 128K, one trunk is created.

| Setup - Wizards - Central Telephony - Internet Telephony  |  |  |
|---|--|--|
|   |  |  |
|   | Settings for Internet Telephony  |  |
| Simultaneous Internet Calls   |  |  |
| Available Lines for ITSP: 190   |  |  |
| Please enter in field 'Upstream up to (Kbit/sec)' the Upstream of your Internet connu<br>Upstream up to (Kbps) = 1280 | ection communicated by your Provider. You have typed in                                      |  |
| in the 'Change Feature> Internet Telephony' Assistant. This upstream allows you                                       | to conduct up to 10 Internet phone calls simultaneously. If the call quality deteriorates di | ue to the network load, you will need to reduce this number of simultaneous calls. |
| The number of simultaneous Internet Calls also depends on the licensing.  |  |  |
|   | Upstream up to (Kbps): 1280  |  |
|   | Number of Simultaneous Internet Calls: 10 Distribute Lines                                   |  |
| l ine assignment  |  |  |
| Internet Telephony Service Provider   | Configured Lines   | Assigned Lines   |
| KPN   | 10   | 0  |
|   |  |  |
|   |  |  |
|   |  |  |
|   |  |  |
|   |  |  |
|   |  |  |
|   |  |  |
|   |  |  |
|   |  |  |
|   |  |  |
|   |  |  |
|   |  |  |
| Help Abort Back OK & Next   |  |  |
|   |  |  |
|   |  |  |

Click [OK & Next]

#### **Special phone numbers**

In this dialog it is possible to route special phone numbers. When special phone numbers are not supported over the ITSP route it is possible to change this here.

| up - Wizards - Central Telephony - Internet Telephony               |                            |                    |  |  |  |  |  |  |  |
|---|----------------------------|--------------------|--|--|--|--|--|--|--|
|   | Special phone numbers      |                    |  |  |  |  |  |  |  |
|   |                            |                    |  |  |  |  |  |  |  |
| nake sure that all special call numbers are supported by the select | ted provider without fail. |                    |  |  |  |  |  |  |  |
|   |                            |                    |  |  |  |  |  |  |  |
| Special phone number  | Dialed digits              | Dial over Provider |  |  |  |  |  |  |  |
| 1   | 0C112                      | RPN 🗸              |  |  |  |  |  |  |  |
| 2   |                            | KPN V              |  |  |  |  |  |  |  |
| 3   |                            | KPN V              |  |  |  |  |  |  |  |
| 4   |                            | KPN 🗸              |  |  |  |  |  |  |  |
| 5   |                            | KPN 🗸              |  |  |  |  |  |  |  |
| 6   |                            | KPN 🗸              |  |  |  |  |  |  |  |
| 7   |                            | KPN 🗸              |  |  |  |  |  |  |  |
| 8   |                            | KPN 🗸              |  |  |  |  |  |  |  |
| 9   |                            | KPN 🗸              |  |  |  |  |  |  |  |
| 10  |                            | KPN 🗸              |  |  |  |  |  |  |  |
| 11  |                            | KPN ¥              |  |  |  |  |  |  |  |
| 12  |                            | KPN ¥              |  |  |  |  |  |  |  |
| 13  |                            | KPN ¥              |  |  |  |  |  |  |  |
| 44  |                            |                    |  |  |  |  |  |  |  |
| 14  |                            |                    |  |  |  |  |  |  |  |
| 15  |                            | KPN 🗸              |  |  |  |  |  |  |  |
|   |                            |                    |  |  |  |  |  |  |  |
|   |                            |                    |  |  |  |  |  |  |  |
|   |                            |                    |  |  |  |  |  |  |  |
| Ip Abort Back OK & Next   |                            |                    |  |  |  |  |  |  |  |
|   |                            |                    |  |  |  |  |  |  |  |

Click [OK & Next]



On next page status of ITSP is displayed.

*Hint: Please consider for ITSP connection with no Registration, provider status will be shown always green.* 

| Setup - Wizards - Central Teleph                          | nony - Internet Telephony    |          |             |            | ×                                  |  |  |  |  |  |
|---|------------------------------|----------|-------------|------------|------------------------------------|--|--|--|--|--|
| Status for the Internet Telephony Service Provider (ITSP) |                              |          |             |            |                                    |  |  |  |  |  |
|   | Provider                     |          | User        |            |                                    |  |  |  |  |  |
|   | BCOM                         | Disabled |             |            |                                    |  |  |  |  |  |
|   | Circuit UTC (Cloud)          | Disabled |             |            |                                    |  |  |  |  |  |
|   | COLT UK & Europe             | Disabled |             |            |                                    |  |  |  |  |  |
|   | COLT VPN                     | Disabled |             |            |                                    |  |  |  |  |  |
|   | Deanconnect B.V.             | Disabled |             |            |                                    |  |  |  |  |  |
|   | Infopact                     | Disabled |             |            |                                    |  |  |  |  |  |
| Restart   | KPN                          | Enabled  | 31311404630 | registered |                                    |  |  |  |  |  |
|   | Motto Communications         | Disabled |             |            |                                    |  |  |  |  |  |
|   | oneCentral                   | Disabled |             |            | _                                  |  |  |  |  |  |
|   | OneXS                        | Disabled |             |            |                                    |  |  |  |  |  |
|   | Priority Telecom             | Disabled |             |            |                                    |  |  |  |  |  |
|   | RoutIT                       | Disabled |             |            |                                    |  |  |  |  |  |
|   | Skype Connect                | Disabled |             |            |                                    |  |  |  |  |  |
|   | SpeakUp                      | Disabled |             |            |                                    |  |  |  |  |  |
|   | Tele2 NL-ASD                 | Disabled |             |            |                                    |  |  |  |  |  |
|   | Tele2 NL-RT                  | Disabled |             |            |                                    |  |  |  |  |  |
|   | T-Mobile (NL)                | Disabled |             |            |                                    |  |  |  |  |  |
|   | Verizon                      | Disabled |             |            |                                    |  |  |  |  |  |
|   | Vodafone Anlagenanschluss R3 | Disabled |             |            |                                    |  |  |  |  |  |
|   | Vodafone NL                  | Disabled |             |            |                                    |  |  |  |  |  |
|   | Voiceworks                   | Disabled |             |            | ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~ |  |  |  |  |  |
| Help Abort  | Back Next                    |          |             |            |                                    |  |  |  |  |  |

Click [Next]

After this status page two more dialogs with "Exchange Line Seizure" and an overview with all configured "Outside line Seizure" are displayed.



Multi-site refers to the integration of currently up to 8 different local area codes in a single system via the same ITSP. (For example, numbers from Rotterdam 010 xxx, Amsterdam 020, etc.). All up to 8 area codes must be within one country.

Additional configuration notes: (\*): Due to technical limitations in test environment these settings are not tested during certification.

#### **DID configuration**

In general the DID has to be configured in long format. E.g. OS60, 857920260 for a user regionfree, OS40 367920003 for user in Almere.

The country code 31 has to be configured as described before.

| Setup                                    | - Wizards - Teleph  | ones / Subscribers - IP | 9 Telephones |                  |           |               |   |     |           |                |   |   | 8 |
|--|---|-------------------------|--------------|------------------|-----------|---------------|---|-----|-----------|----------------|---|---|---|
| Select a station -LAN Phones/WLAN Phones |   |                         |              |                  |           |               |   |     |           |                |   |   |   |
|  | ake DID from chang  | jed call number         |              |                  |           |               |   |     |           |                |   |   |   |
|  | Callno         First Name         Last Name         Name         DID         Type         Fax Callno         Fax DID         Class of service         Call pickup |                         |              |                  |           |               |   |     |           |                |   |   |   |
| 2  |   |                         |              |                  |           |               | • |     |           |                | ۲ |   | • |
| / 2                                      | 01  | -                       | -            | OS60             | 857920260 | System Client | • | 301 | 857920269 | Internationaal | • | - | • |
| 1 2                                      | 02  | -                       | -            | OS40             | 367920003 | System Client |   | •   | -         | Internationaal | • | - | • |
| 1 2                                      | 03  | -                       | -            | Giga N300 SL400  | 857920262 | SIP Client    | • | •   | -         | Internationaal | • | - | • |
| 1 2                                      | 04  | -                       | -            | 3CX Phone softcl | 857920263 | SIP Client    | ٠ | -   | -         | Internationaal | • | - | * |
| ∕-                                       |   | -                       | -            | -                | -         | No Port       | ۲ | -   | -         | Internationaal |   | - | Υ |
| 1 E                                      |   | -                       | -            | -                | -         | No Port       | ٠ | -   | -         | Internationaal |   | - | Υ |
| ∕.                                       |   | -                       | •            | -                | -         | No Port       | ٠ | -   | -         | Internationaal |   | - | ۲ |
| 1.                                       |   |                         | -            | •                |           | No Port       |   | •   | -         | Internationaal | • | - | • |



The Multisite wizard is available when at least one ITSP is active. In expert mode Multisite can be found in the LCR configuration. Here you define which phone uses which area code when dialing without local area code.

| reas with freely e | ditable names and an optional max 15 digit area dialing<br>ws users to dial a local destination w/o area dialing stri | g code with leading national prefix (0)<br>ng |                 |  |
|--------------------|---|---|-----------------|--|
| Delete             | Area Code   | Area  | Dedicated Route |  |
|                    | 0   |   |                 |  |
|                    | 085   | Regio∨rij                                     | KPN V           |  |
|                    | 036   | Almere ×                                      | KPN V           |  |
|                    |   |   | - •             |  |
|                    |   |   | - 🗸             |  |
|                    |   |   | - 🗸             |  |
|                    |   |   | - •             |  |
|                    |   |   | - 🗸             |  |
|                    |   |   |                 |  |
|                    |   |   |                 |  |
|                    |   |   |                 |  |
|                    |   |   |                 |  |

#### Edit Stations/Groups

| tup - Wizards - Netw | ork / Internet - Multisite N | fanagement        |   |                |  |
|----------------------|------------------------------|-------------------|---|----------------|--|
|                      |                              | As                | ssign stations and groups to the correspo | nding area     |  |
|                      |                              |                   |   |                |  |
| love from area: all  | • to                         | area: Regiovrij 🔹 |   |                |  |
| Selection            |                              | Calino            | DID                                       | Name           | Type Area  |
|                      |                              |                   |   |                | •  |
|                      | 201                          | 857920260         | OS60                                      | System Client  | Regiovrij  |
|                      | 202                          | 367920003         | OS40                                      | System Client  | Almere   |
|                      | 203                          | 857920262         | Giga N300 SL400                           | SIP Client     | Regiovrij  |
|                      | 204                          | 857920263         | 3CX Phone softcl                          | SIP Client     | Regiovrij  |
|                      | 301                          | 857920269         | OS60                                      | Fax            | Regiovrij  |
|                      | 7401                         |                   |   | Conference     | Area 1   |
|                      | 7402                         |                   |   | Conference     | Area 1   |
|                      | 7403                         | -                 | -   | Conference     | Area 1   |
|                      | 7404                         |                   |   | Conference     | Area 1   |
|                      | 7405                         | -                 | -   | Conference     | Area 1   |
|                      | 7406                         | -                 | -   | Virtual Stn    | Area 1   |
|                      | 7407                         | -                 | -   | Virtual Stn    | Area 1   |
|                      | 7408                         | -                 | -   | Virtual Stn    | Area 1   |
|                      | 7409                         | -                 | -   | Virtual Stn    | Area 1   |
|                      | 7400                         | -                 | -   | Virtual Stn    | Area 1   |
|                      | 7430                         | -                 | -   | Parking        | Area 1   |
|                      | 7410                         | 857920266         | -   | Auto-Attendant | Area 1   |
|                      | 7411                         |                   |   | Auto-Attendant | Area 1   |
|                      | 7412                         |                   |   | Auto-Attendant | Area 1   |
|                      | 7413                         |                   |   | Auto-Attendant | Area 1   |
|                      | 7414                         |                   |   | Auto-Attendant | Area 1   |
|                      |                              |                   |   | Auto-Attendant | Area 1   |
|                      |                              |                   |   | Auto-Attendant | Area 1   |
|                      |                              |                   |   | Auto-Attendant | Area 1   |
|                      |                              |                   |   | Auto-Attendant | Area 1   |
| -                    |                              |                   |   | Auto-Attendant | Area 1   |
| Select all           |                              | •                 |   | _              | Auto-Attendant<br>Auto-Attendant<br>Auto-Attendant |
| Abort Back OK & Next | OK & Nex                     | t Save            |   |                |  |



## Additional manual Configuration

## LCR changes

#### Important "Dial rule" for local calls

| Expert mode - Telephony Server |    |                            |       |                        |                       |   |             |             |                       |  |
|--------------------------------|----|----------------------------|-------|------------------------|-----------------------|---|-------------|-------------|-----------------------|--|
| LCR                            | Di | al Rule                    |       |                        |                       |   |             |             |                       |  |
| LCR Flags                      |    | Change Dial Rule           |       |                        |                       |   |             |             |                       |  |
| Classes Of Service             |    |                            |       |                        |                       |   |             |             |                       |  |
| Dial Plan                      |    | Rule Name Dial rule format |       | Dial rule format       | Network access        |   | Тур         |             |                       |  |
| Routing table                  | 1  | СО                         | A     |                        | Main network supplier | • | Unknown     | •           | ×                     |  |
| Di <mark>al</mark> rule        | 2  | SIP                        | A     |                        | Main network supplier | • | Unknown     | •           |                       |  |
| Multisite                      | 3  | SIP local                  | HE2A  |                        | Main network supplier | • | Unknown     | •           |                       |  |
|                                | 4  | MEB                        | E1A   |                        | Corporate Network     | • | PABX number | •           |                       |  |
|                                | 5  | IP-Network                 | A     |                        | Corporate Network     | • | Unknown     | •           |                       |  |
|                                | 6  | Multi-Location             | BA    |                        | Corporate Network     | • | Unknown     | •           |                       |  |
|                                | 7  | Gateway call               | E1A   |                        | Corporate Network     | • | Unknown     | •           |                       |  |
|                                | 8  | COInternat                 | D0E3A | Ą                      | Main network supplier | • | Unknown     | •           |                       |  |
|                                | 9  |                            |       |                        | Unknown               | • | Unknown     | •           |                       |  |
|                                | 10 |                            |       |                        | Unknown               | • | Unknown     | -           | E                     |  |
|                                | 11 |                            |       |                        | Unknown               | • | Unknown     | •           |                       |  |
|                                | 12 |                            |       |                        | Unknown               | • | Unknown     | •           |                       |  |
|                                | 13 |                            |       |                        | Unknown               | • | Unknown     | -           |                       |  |
|                                | 14 |                            |       |                        | Unknown               | • | Unknown     | •           |                       |  |
|                                | 15 |                            |       |                        | Unknown               | - | Unknown     | -           |                       |  |
|                                | 16 |                            |       |                        | Unknown               | • | Unknown     | •           |                       |  |
|                                | 17 |                            |       |                        | Unknown               | • | Unknown     | •           |                       |  |
|                                | 18 |                            |       |                        | Unknown               | - | Unknown     | -           |                       |  |
|                                | 19 |                            |       |                        | Unknown               | • | Unknown     | •           |                       |  |
|                                | 20 |                            |       |                        | Unknown               | • | Unknown     | •           |                       |  |
|                                | 21 |                            |       |                        | Unknown               | - | Unknown     | -           |                       |  |
|                                | 22 |                            |       |                        | Unknown               | • | Unknown     | •           | -                     |  |
|                                | Pa | ge 1 of 11                 |       | <b>4 1</b> 12131415161 | Z1819 🕨 🛤             |   | lti         | ems per pag | e <u>10</u> 25 50 100 |  |
|                                |    | Apply Undo                 | He    | elp                    |                       |   |             |             |                       |  |