Public Online Directories (Wiki article is under development)

Introduction

You can use directories made available by a server in the corporate network or Internet on your Gigaset PRO device. The following formats are available.

- Directory in LDAP format (Lightweight Directory Access Protocol)
- Directory in XML format
- Personal Directory in XML format

Prerequisite

- The directories are available in the valid XML or LDAP format.
- They are configured in the device.

N510 and N720

End-user interface

Below is an overview how the End-customer will experience when using phonebook

Device	**XML phonebook**							**LDAP**
Gigaset number	**Dec: 20 / Hex: 14**	**Dec: 21 / Hex: 15**		**Dec: 40 / Hex: 28**	**Dec: 41 / Hex: 29**	**Dec: 42 / Hex: 30**		**Dec: 10 / Hex: A**
	White pages	**Personal**		**White pages**	**Yellow pages**	**Personal**		
N720 Search (Behind T640)	List with ... entries Refine search pressing keys Search first name / last name.	List with ... entries No refine search		Search first name / last name.	Search first name / last name.	List with ... entries No refine search		
N510 Search (Behind T640) N510 SW 228	List with ... entries Refine search pressing keys Search first name / last name.	List with ... entries No refine search		Search first name / last name.	Search first name / last name.	List with ... entries No refine search		
	Search results can are also dependent on scripts implemented in platform. (Only first or last name or both)							
				See detailed description about these phone-books.				

- Introduction
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- N510 and N720
  - End-user interface

Here we explain how you can configure the N510 XML phonebook configuration (40-42). You can combine different phonebooks, like 20, 21, 40, 41, 42

Description	**Auto provisioning example**	**Web-interface N510**

Net Directory Server URL	<SYMB_ITEM ID="BS_XML_Netdirs.astNetdirProvider[0].aucServerURL[0]" class="symb_item" value="'http://192.168.178.164/gigaset-prov/netdir/?'"/>	Settings - Directories - Online Directory - Settings for an additional Provider
	The Server URL to the net directory service is given in this parameter. Please do not forget the "/?"	
Net Directory Username	<SYMB_ITEM ID="BS_XML_Netdirs.astNetdirProvider[0].aucUsername[0]" class="symb_item" value="''"/>	http://<IP address>/settings_services_eeprom_provider.html **Username:**
	To use the net directory service a username for the login into the service could be necessary. This name can be stored in this parameter. (Here is empty)	
Net Directory Password	<SYMB_ITEM ID="BS_XML_Netdirs.astNetdirProvider[0].aucPassword[0]" class="symb_item" value="''"/>	http://<IP address>/settings_services_eeprom_provider.html **Password:**
	If a password of the Net Directory service is requested by a provider it can be stored in the Gigaset device. For using the Net Directory service the Gigaset device sets up a connection to the net directory server and uses the password for authentication.	
Authentication Possibilities	<SYMB_ITEM ID="BS_XML_Netdirs.astNetdirProvider[0].ucAuthPossibilities" class="symb_item" value="0x4"/>	http://<IP address>/settings_services_eeprom_provider.html **Authentication mode:**
	There are different possibilities to get credentials before a phone gets access to a private phone book. For example the credentials for public providers are hard coded in the software of the Gigaset phone. If a private phonebook is used the credentials can be taken from the non volatile memory. Another possibility is to use the login data of the 1st SIP account or the assigned SIP send account. It is recommended by Gigaset to use setting '4'.	
Searching	<SYMB_ITEM ID="BS_XML_Netdirs.astNetdirProvider[0].bitfldCap.bSearchPeopleCap" class="symb_item" value="0x1"/>	http://<IP address>/settings_services_eeprom_provider.html **Search people**
	This flag is for activating the name search function in the net directory 'white pages (40)'. If it is deactivated the menu for this feature is not visible and the service can't be used.	
	<SYMB_ITEM ID="BS_XML_Netdirs.astNetdirProvider[0].bitfldCap.bSearchBusinessCap" class="symb_item" value="0x1"/>	http://<IP address>/settings_services_eeprom_provider.html **Search business**
	This flag is for activating the name search function in the net directory 'Yellow pages (41)'. If it is deactivated the menu for this feature is not visible and the service can't be used.	
Private Directory Capability	<SYMB_ITEM ID="BS_XML_Netdirs.astNetdirProvider[0].bitfldCap.bPrivateDirectoryCap" class="symb_item" value="0x1"/>	http://<IP address>/settings_services_eeprom_provider.html **Private network directory**
	This capability is used to activate the menu of the private directory feature. If a provider supports this feature the customer can write and store his own names and numbers at the providers' server.	
White Pages Directory Name	<SYMB_ITEM ID="BS_XML_Netdirs.astNetdirProvider[0].aucWhitePagesDirName[0]" class="symb_item" value="'Intern'"/>	http://<IP address>/settings_services_eeprom_provider.html **Directory name(White/Public)**
	Names or numbers can be searched in the white pages (public phonebook). If the service is activated the text in the mmi for the headline of the corresponding menu can be setup in this parameter. So the name of the white pages directory can be set by the administrator.	
Yellow Pages Directory Name	<SYMB_ITEM ID="BS_XML_Netdirs.astNetdirProvider[0].aucYellowPagesDirName[0]" class="symb_item" value="'Global'"/>	http://<IP address>/settings_services_eeprom_provider.html **Directory name (Yellow)**
	Companies or branches can be searched in the Yellow Pages directory. The customer can select 'yellow pages' before he starts to give in the branch or name and the city. In this parameter the name of the directory is stored, which is presented in the menu for the yellow page service.	

Private Pages Directory Name	<SYMB_ITEM ID="BS_XML_Netdirs.astNetdirProvider[0].aucPrivatePagesDirName[0]" class="symb_item" value="'Personal'"/>	http://<IP address> /settings_services_eeprom_provider.html **Directory name (Private)**
	In case the use of private pages is activated the name of the private directory can be stored in the Gigaset device. In this directory the names and numbers that are written by the user of the Gigaset device are stored. To avoid that unauthorized people have access to this names a password (see chapter 'Password') is need. The Gigaset device can use the username and password of the first SIP account to get access to the private pages.	
Autolookup Capability	<SYMB_ITEM ID="BS_XML_Netdirs.astNetdirProvider[0].bitfldCap.bAutolookupCap" class="symb_item" value="0x0"/>	http://<IP address> /settings_services_eeprom_provider.html **Autolookup**
	This is a single bit that switches on or off the automatic lookup feature. A number can be replaced by a name in different scenarios (e.g.: during incoming or outgoing calls or other situations). If a number is not found in the local directory of the telephone, it can be automatically searched for this number and the corresponding name in the net directory.	
Country Code	<SYMB_ITEM ID="BS_XML_Netdirs.astNetdirProvider[0].aucCountryCode[0]" class="symb_item" value="""/>	http://<IP address> /settings_services_eeprom_provider.html **Country code:**
	The Net Directory service is supported by different providers in different countries. A list of different provider is implemented in the Gigaset devices. The list can be found at the end of this chapter. In this parameter an abbreviation of a country can be setup. If it is setup, this abbreviation is add in front of the net directory name in the MMI. It can consist of a maximum of 3 characters. Mostly, this is empty.	
Available Net directories	<SYMB_ITEM ID="BS_XML_Netdirs.aucAvailableNetdirs[0]" class="symb_item" value="0x28,0x29,0x2a"/>	No
	All available net directory providers that can be used by the phone are setup in this parameter. The List contains only numbers or abbreviations, no names. The numbers can be set according to the table or according to the abbreviation list at the end of this chapter. All ID's or abbreviations out of the list or only a part of them can be stored in this parameter. The user can select via web interface of the phone which network provider is selected for the net phonebook service. All providers listed here are visible in the web UI of the Gigaset device and the order of the ID's is used as the order of providers in the web UI window. 0x28,0x29,0x2a = 40, 41, 42	
Activated Net directories	<SYMB_ITEM ID="BS_XML_Netdirs.aucActivatedNetdirs[0]" class="symb_item" value="0x28,0x29,0x2a"/>	No
	This list contains all or only a part of the net phonebook provider given in the available Net Directory list. The providers or provider ID's in this parameter are a subset of the parameter. It contains the activated net directory provider visible in the WebUI.	
Net Directory Provider Name	<SYMB_ITEM ID="BS_XML_Netdirs.astNetdirProvider[0].aucProviderName[0]" class="symb_item" value="'Central phonebook'"/>	http://<IP address> /settings_services_eeprom_provider.html **Provider name:**
	In this parameter the names of the providers are stored that support the Net Directory service. The user of the Web interface or of the menu can find these names there and can select another provider for the service if he wants to use another database for the net directory service.	
Encrypt Posts	<SYMB_ITEM ID="BS_XML_Netdirs.astNetdirProvider[0].bitfldCap.bEncryptPosts" class="symb_item" value="0x0"/>	http://<IP address> /settings_services_eeprom_provider.html **Encrypt Posts**
	If this capability is set all posted names and numbers in a private phone book are encrypted. If it is not set the posted names and numbers are not encrypted.	

Private Directory Nickname Capability	<SYMB_ITEM ID="BS_XML_Netdirs.astNetdirProvider[0].bitfldCap.bPrivateDirectoryNicknameCap" class="symb_item" value="0x0"/>	http://<IP address>/settings_services_eeprom_provider.html **Nickname for Private network directory**
	This is a capability bit to activate the nick name field in the editor for the private phone bock. If the provider supports this feature the user needs an editor to write or change a nick name. (0=Editor field off, 1=Editor field on)	
Reverse Search Capability	<SYMB_ITEM ID="BS_XML_Netdirs.astNetdirProvider[0].bitfldCap.bReverseSearchCap" class="symb_item" value="0x0"/>	http://<IP address>/settings_services_eeprom_provider.html **Reverse search**
	The Reverse search capability means that a phone number is send by the phone or the user to the net directory (e.g. automatically during an incoming call or manually by the user via search editor). The net directory gives an answer which name belongs to the number. If the reverse search capability is activated an extra line in the editor is visible so that the customer can search a name that belongs to the number.	
Send Mac Address	<SYMB_ITEM ID="BS_XML_Netdirs.astNetdirProvider[0].bitfldCap.bSndMacAddress" class="symb_item" value="0x1"/>	http://<IP address>/settings_services_eeprom_provider.html **Send MAC address**
	In case this capability is activated a request to a net provider phone book is send containing additionally the MAC address of the Gigaset device. This is used as a security option.	
Net directory selected for Auto Lookup	<SYMB_ITEM ID="BS_XML_Netdirs.aucNetdirSelForAutoLookup[%]" class="symb_item" value="0x0,0x0,0x0,0x0,0x0,0x0,0x0"/>	No
	In this parameter the ID of the net directory is stored in which the auto lockup function (during a call) is searching a name of a person or a company to substitute the number by a name. The list of this ID's is given in the table at the end of this chapter.	
Net directory selected for Direct Access	<SYMB_ITEM ID="BS_XML_Netdirs.aucNetdirSelForDirectAccess[0]" class="symb_item" value="0x0,0x0,0x0,0x0,0x0,0x0,0x0"/>	No
	A list of many net phone book providers can be stored in the non volatile memory of the phone. With this setting it is defined in which net directory is searched, if the user tries to open the net phone book.	
Net directory selected for Internal Key (Function is disabled)	~~<SYMB_ITEM ID="BS_XML_Netdirs.aucNetdirSelForIntKey[0]" class="symb_item" value="0x0,0x0,0x0,0x0,0x0,0x0,0x0"/>~~	No
	~~In some telephone systems the 'Intern key' can be used for opening a net phone book. To use this feature the ID's of the net phonebooks must be setup in this parameter.~~ ~~After pressing the Int-key a list of net providers is shown which contains all providers given in this parameter. The ID's are the same as for other provider settings (see end of the chapter).~~	
High Priority for the Net Directory Access	<SYMB_ITEM ID="BS_LM_AppCfg.bit.bHasHighPrioNetDirAccess" class="symb_item" value="0x1"/>	No
	If this feature is enabled: short press on phonebook key opens the online directory list. Long press opens the local Directory list. To be enabled only if the operator provides a private network based phonebook, which should replace the local phonebook. The handset has also to support this feature. If not supported by a handset and the feature is enabled, the feature will not work. If it is disabled: short press on the phonebook key opens the local directory list. A long press opens the online directory list.	

XML example

<SYMB_ITEM ID="BS_XML_Netdirs.astNetdirProvider[0].aucCountryCode[0]" class="symb_item" value="""/>
<SYMB_ITEM ID="BS_XML_Netdirs.astNetdirProvider[0].aucPassword[0]" class="symb_item" value="""/>
<SYMB_ITEM ID="BS_XML_Netdirs.astNetdirProvider[0].aucPrivatePagesDirName[0]" class="symb_item" value="'Personal'"/>
<SYMB_ITEM ID="BS_XML_Netdirs.astNetdirProvider[0].aucProviderName[0]" class="symb_item" value="'Central Phonebook'"/>
<SYMB_ITEM ID="BS_XML_Netdirs.astNetdirProvider[0].aucServerURL[0]" class="symb_item" value="'http://192.168.178.164/gigaset-prov/netdir/?'"/>
<SYMB_ITEM ID="BS_XML_Netdirs.astNetdirProvider[0].aucUsername[0]" class="symb_item" value="""/>
<SYMB_ITEM ID="BS_XML_Netdirs.astNetdirProvider[0].aucWhitePagesDirName[0]" class="symb_item" value="'Internal'"/>
<SYMB_ITEM ID="BS_XML_Netdirs.astNetdirProvider[0].aucYellowPagesDirName[0]" class="symb_item" value="'Global'"/>
<SYMB_ITEM ID="BS_XML_Netdirs.astNetdirProvider[0].bitfldCap.bAutolookupCap" class="symb_item" value="0x0"/>
<SYMB_ITEM ID="BS_XML_Netdirs.astNetdirProvider[0].bitfldCap.bEncryptPosts" class="symb_item" value="0x0"/>
<SYMB_ITEM ID="BS_XML_Netdirs.astNetdirProvider[0].bitfldCap.bPrivateDirectoryCap" class="symb_item" value="0x1"/>
<SYMB_ITEM ID="BS_XML_Netdirs.astNetdirProvider[0].bitfldCap.bPrivateDirectoryNicknameCap" class="symb_item" value="0x0"/>
<SYMB_ITEM ID="BS_XML_Netdirs.astNetdirProvider[0].bitfldCap.bReverseSearchCap" class="symb_item" value="0x0"/>
<SYMB_ITEM ID="BS_XML_Netdirs.astNetdirProvider[0].bitfldCap.bSearchBusinessCap" class="symb_item" value="0x1"/>
<SYMB_ITEM ID="BS_XML_Netdirs.astNetdirProvider[0].bitfldCap.bSearchPeopleCap" class="symb_item" value="0x1"/>
<SYMB_ITEM ID="BS_XML_Netdirs.astNetdirProvider[0].bitfldCap.bSndMacAddress" class="symb_item" value="0x1"/>
<SYMB_ITEM ID="BS_XML_Netdirs.astNetdirProvider[0].ucAuthPossibilities" class="symb_item" value="0x4"/>
<SYMB_ITEM ID="BS_XML_Netdirs.aucActivatedNetdirs[0]" class="symb_item" value="0x28,0x29,0x2a"/>
<SYMB_ITEM ID="BS_XML_Netdirs.aucAvailableNetdirs[0]" class="symb_item" value="0x28,0x29,0x2a"/>

Here we explain how you can configure the N510 XML phonebook configuration (20,21). You can combine different phonebooks, like 20, 21, 40, 41, 42

Description	**Auto provisioning example**	**Web-interface N510**
Net Directory Server URL	<SYMB_ITEM ID="BS_XML_Netdirs.astNetdirProvider[1].aucServerURL[0]" class="symb_item" value="'http://192.168.178.164/gigaset-prov/netdir/?'"/>	Settings - Directories - Corporate Directory **Server address**
	The Server URL to the net directory service is given in this parameter. Please do not forget the "/?"	
Net Directory Username	<SYMB_ITEM ID="BS_XML_Netdirs.astNetdirProvider[1].aucUsername[0]" class="symb_item" value="""/>	Settings - Directories - Corporate Directory **Username:**
	To use the net directory service a username for the login into the service could be necessary. This name can be stored in this parameter. (Here is empty)	
Net Directory Password	<SYMB_ITEM ID="BS_XML_Netdirs.astNetdirProvider[1].aucPassword[0]" class="symb_item" value="""/>	Settings - Directories - Corporate Directory **Password:**
	If a password of the Net Directory service is requested by a provider it can be stored in the Gigaset device. For using the Net Directory service the Gigaset device sets up a connection to the net directory server and uses the password for authentication.	
Authentication Possibilities	<SYMB_ITEM ID="BS_XML_Netdirs.astNetdirProvider[1].ucAuthPossibilities" class="symb_item" value="0x4"/>	
	There are different possibilities to get credentials before a phone gets access to a private phone book. For example the credentials for public providers are hard coded in the software of the Gigaset phone. If a private phonebook is used the credentials can be taken from the non volatile memory. Another possibility is to use the login data of the 1st SIP account or the assigned SIP send account. It is recommended by Gigaset to use setting '4'.	
Searching	<SYMB_ITEM ID="BS_XML_Netdirs.astNetdirProvider[1].bitfldCap.bSearchPeopleCap" class="symb_item" value="0x1"/>	
	This flag is for activating the name search function in the net directory 'white pages (20)'. If it is deactivated the menu for this feature is not visible and the service can't be used.	
	<SYMB_ITEM ID="BS_XML_Netdirs.astNetdirProvider[1].bitfldCap.bSearchBusinessCap" class="symb_item" value="0x1"/>	
	This flag is for activating the name search function in the net directory 'Yellow pages (21)'. If it is deactivated the menu for this feature is not visible and the service can't be used.	
Private Directory Capability	<SYMB_ITEM ID="BS_XML_Netdirs.astNetdirProvider[1].bitfldCap.bPrivateDirectoryCap" class="symb_item" value="0x1"/>	

	This capability is used to activate the menu of the private directory feature. If a provider supports this feature the customer can write and store his own names and numbers at the providers' server.	
White Pages Directory Name	<SYMB_ITEM ID="BS_XML_Netdirs.astNetdirProvider[1].aucWhitePagesDirName[0]" class=" symb_item" value="'Intern'"/>	
	Names or numbers can be searched in the white pages (public phonebook). If the service is activated the text in the mmi for the headline of the corresponding menu can be setup in this parameter. So the name of the white pages directory can be set by the administrator.	
Private Pages Directory Name	<SYMB_ITEM ID="BS_XML_Netdirs.astNetdirProvider[1].aucPrivatePagesDirName[0]" class=" symb_item" value="'Personal'"/>	
	In case the use of private pages is activated the name of the private directory can be stored in the Gigaset device. In this directory the names and numbers that are written by the user of the Gigaset device are stored. To avoid that unauthorized people have access to this names a password (see chapter 'Password') is need. The Gigaset device can use the username and password of the first SIP account to get access to the private pages.	
Autolookup Capability	<SYMB_ITEM ID="BS_XML_Netdirs.astNetdirProvider[1].bitfldCap.bAutolookupCap" class=" symb_item" value="0x0"/>	Settings - Directories - Corporate Directory **Automatic look-up of caller's name:**
	This is a single bit that switches on or off the automatic lookup feature. A number can be replaced by a name in different scenarios (e.g.: during incoming or outgoing calls or other situations). If a number is not found in the local directory of the telephone, it can be automatically searched for this number and the corresponding name in the net directory.	
Available Net directories	<SYMB_ITEM ID="BS_XML_Netdirs.aucAvailableNetdirs[0]" class="symb_item" value=0x14,0x15" />	
	All available net directory providers that can be used by the phone are setup in this parameter. The List contains only numbers or abbreviations, no names. The numbers can be set according to the table or according to the abbreviation list at the end of this chapter. All ID's or abbreviations out of the list or only a part of them can be stored in this parameter. The user can select via web interface of the phone which network provider is selected for the net phonebook service. All providers listed here are visible in the web UI of the Gigaset device and the order of the ID's is used as the order of providers in the web UI window. 0x14,0x15 = 20, 21	
Activated Net directories	<SYMB_ITEM ID="BS_XML_Netdirs.aucActivatedNetdirs[0]" class="symb_item" value="0x14,0x15" />	
	This list contains all or only a part of the net phonebook provider given in the available Net Directory list. The providers or provider ID's in this parameter are a subset of the parameter. It contains the activated net directory provider visible in the WebUI.	
Net Directory Provider Name	<SYMB_ITEM ID="BS_XML_Netdirs.astNetdirProvider[1].aucProviderName[0]" class="symb_item" value="'Central phonebook'"/>	
	In this parameter the names of the providers are stored that support the Net Directory service. The user of the Web interface or of the menu can find these names there and can select another provider for the service if he wants to use another database for the net directory service.	
Encrypt Posts	<SYMB_ITEM ID="BS_XML_Netdirs.astNetdirProvider[1].bitfldCap.bEncryptPosts" class=" symb_item" value="0x0"/>	
	If this capability is set all posted names and numbers in a private phone book are encrypted. If it is not set the posted names and numbers are not encrypted.	
Private Directory Nickname Capability	<SYMB_ITEM ID="BS_XML_Netdirs.astNetdirProvider[1].bitfldCap.bPrivateDirectoryNicknameCap" class="symb_item" value="0x0"/>	
	This is a capability bit to activate the nick name field in the editor for the private phone bock. If the provider supports this feature the user needs an editor to write or change a nick name. (0=Editor field off, 1=Editor field on)	
Send Mac Address	<SYMB_ITEM ID="BS_XML_Netdirs.astNetdirProvider[1].bitfldCap.bSndMacAddress" class=" symb_item" value="0x1"/>	
	In case this capability is activated a request to a net provider phone book is send containing additionally the MAC address of the Gigaset device. This is used as a security option.	
High Priority for the Net Directory Access	<SYMB_ITEM ID="BS_LM_AppCfg.bit.bHasHighPrioNetDirAccess" class="symb_item" value="0x1" />	

	If this feature is enabled: short press on phonebook key opens the online directory list. Long press opens the local Directory list. To be enabled only if the operator provides a private network based phonebook, which should replace the local phonebook. The handset has also to support this feature. If not supported by a handset and the feature is enabled, the feature will not work. If it is disabled: short press on the phonebook key opens the local directory list. A long press opens the online directory list.	

XML example

<SYMB_ITEM ID="BS_XML_Netdirs.astNetdirProvider[1].aucPassword[0]" class="symb_item" value=""""/>
<SYMB_ITEM ID="BS_XML_Netdirs.astNetdirProvider[1].aucPrivatePagesDirName[0]" class="symb_item" value="'Personal'"/>
<SYMB_ITEM ID="BS_XML_Netdirs.astNetdirProvider[1].aucProviderName[0]" class="symb_item" value="'Provider'"/>
<SYMB_ITEM ID="BS_XML_Netdirs.astNetdirProvider[1].aucServerURL[0]" class="symb_item" value="'http://192.168.178.164/gigaset-prov/netdir/?'"/>
<SYMB_ITEM ID="BS_XML_Netdirs.astNetdirProvider[1].aucUsername[0]" class="symb_item" value=""""/>
<SYMB_ITEM ID="BS_XML_Netdirs.astNetdirProvider[1].aucWhitePagesDirName[0]" class="symb_item" value="'Internal'"/>
<SYMB_ITEM ID="BS_XML_Netdirs.astNetdirProvider[1].bitfldCap.bAutolookupCap" class="symb_item" value="0x0"/>
<SYMB_ITEM ID="BS_XML_Netdirs.astNetdirProvider[1].bitfldCap.bEncryptPosts" class="symb_item" value="0x0"/>
<SYMB_ITEM ID="BS_XML_Netdirs.astNetdirProvider[1].bitfldCap.bPrivateDirectoryCap" class="symb_item" value="0x1"/>
<SYMB_ITEM ID="BS_XML_Netdirs.astNetdirProvider[1].bitfldCap.bPrivateDirectoryNicknameCap" class="symb_item" value="0x0"/>
<SYMB_ITEM ID="BS_XML_Netdirs.astNetdirProvider[1].bitfldCap.bReverseSearchCap" class="symb_item" value="0x0"/>
<SYMB_ITEM ID="BS_XML_Netdirs.astNetdirProvider[1].bitfldCap.bSearchBusinessCap" class="symb_item" value="0x1"/>
<SYMB_ITEM ID="BS_XML_Netdirs.astNetdirProvider[1].bitfldCap.bSearchPeopleCap" class="symb_item" value="0x1"/>
<SYMB_ITEM ID="BS_XML_Netdirs.astNetdirProvider[1].bitfldCap.bSndMacAddress" class="symb_item" value="0x1"/>
<SYMB_ITEM ID="BS_XML_Netdirs.astNetdirProvider[1].ucAuthPossibilities" class="symb_item" value="0x4"/>
<SYMB_ITEM ID="BS_XML_Netdirs.aucActivatedNetdirs[0]" class="symb_item" value="0x14,0x15"/>
<SYMB_ITEM ID="BS_XML_Netdirs.aucAvailableNetdirs[0]" class="symb_item" value="0x14,0x15"/>

Here we explain how you can configure the N510 XML phonebook configuration (20,21). You can combine different phonebooks, like 20, 21, 40, 41, 42

Description	Auto provisioning example	Web-interface N720
Net Directory Server URL	<SYMB_ITEM ID="BS_XML_Netdirs.astNetdirProvider[1].aucServerURL[%]" class="symb_item" value="'http://192.168.178.164/gigaset-prov/netdir/?'"/>	
	The Server URL to the net directory service is given in this parameter. Please do not forget the "/?"	
Net Directory Username	<SYMB_ITEM ID="BS_XML_Netdirs.astNetdirProvider[1].aucUsername[%]" class="symb_item" value=""""/>	
	To use the net directory service a username for the login into the service could be necessary. This name can be stored in this parameter. (Here is empty)	
Net Directory Password	<SYMB_ITEM ID="BS_XML_Netdirs.astNetdirProvider[1].aucPassword[%]" class="symb_item" value=""""/>	
	If a password of the Net Directory service is requested by a provider it can be stored in the Gigaset device. For using the Net Directory service the Gigaset device sets up a connection to the net directory server and uses the password for authentication.	
Authentication Possibilities	<SYMB_ITEM ID="BS_XML_Netdirs.astNetdirProvider[1].ucAuthPossibilities" class="symb_item" value="0x4"/>	
	There are different possibilities to get credentials before a phone gets access to a private phone book. For example the credentials for public providers are hard coded in the software of the Gigaset phone. If a private phonebook is used the credentials can be taken from the non volatile memory. Another possibility is to use the login data of the 1st SIP account or the assigned SIP send account. It is recommended by Gigaset to use setting '4'.	
Searching	<SYMB_ITEM ID="BS_XML_Netdirs.astNetdirProvider[1].bitfldCap.bSearchPeopleCap" class="symb_item" value="0x1"/>	
	This flag is for activating the name search function in the net directory 'white pages (20)'. If it is deactivated the menu for this feature is not visible and the service can't be used.	
	<SYMB_ITEM ID="BS_XML_Netdirs.astNetdirProvider[1].bitfldCap.bSearchBusinessCap" class="symb_item" value="0x1"/>	

	This flag is for activating the name search function in the net directory ‘Yellow pages (21)’. If it is deactivated the menu for this feature is not visible and the service can’t be used.	
Private Directory Capability	<SYMB_ITEM ID="BS_XML_Netdirs.astNetdirProvider[1].bitfldCap.bPrivateDirectoryCap" class=" symb_item" value="0x1"/>	
	This capability is used to activate the menu of the private directory feature. If a provider supports this feature the customer can write and store his own names and numbers at the providers’ server.	
White Pages Directory Name	<SYMB_ITEM ID="BS_XML_Netdirs.astNetdirProvider[1].aucWhitePagesDirName[%]" class="symb_item" value="'Intern'"/>	
	Names or numbers can be searched in the white pages (public phonebook). If the service is activated the text in the mmi for the headline of the corresponding menu can be setup in this parameter. So the name of the white pages directory can be set by the administrator.	
Private Pages Directory Name	<SYMB_ITEM ID="BS_XML_Netdirs.astNetdirProvider[1].aucPrivatePagesDirName[%]" class=" symb_item" value="'Persoonlijk'"/>	
	In case the use of private pages is activated the name of the private directory can be stored in the Gigaset device. In this directory the names and numbers that are written by the user of the Gigaset device are stored. To avoid that unauthorized people have access to this names a password (see chapter ‘Password’) is need. The Gigaset device can use the username and password of the first SIP account to get access to the private pages.	
Autolookup Capability	<SYMB_ITEM ID="BS_XML_Netdirs.astNetdirProvider[1].bitfldCap.bAutolookupCap" class="symb_item" value="0x0"/>	
	This is a single bit that switches on or off the automatic lookup feature. A number can be replaced by a name in different scenarios (e.g.: during incoming or outgoing calls or other situations). If a number is not found in the local directory of the telephone, it can be automatically searched for this number and the corresponding name in the net directory.	
Available Net directories	<SYMB_ITEM ID="BS_XML_Netdirs.aucAvailableNetdirs[%]" class="symb_item" value="0x14,0x15"/>	
	All available net directory providers that can be used by the phone are setup in this parameter. The List contains only numbers or abbreviations, no names. The numbers can be set according to the table or according to the abbreviation list at the end of this chapter. All ID’s or abbreviations out of the list or only a part of them can be stored in this parameter. The user can select via web interface of the phone which network provider is selected for the net phonebook service. All providers listed here are visible in the web UI of the Gigaset device and the order of the ID’s is used as the order of providers in the web UI window. 0x14,0x15 = 20, 21	
Activated Net directories	<SYMB_ITEM ID="BS_XML_Netdirs.aucActivatedNetdirs[%]" class="symb_item" value="0x14,0x15"/>	
	This list contains all or only a part of the net phonebook provider given in the available Net Directory list. The providers or provider ID’s in this parameter are a subset of the parameter. It contains the activated net directory provider visible in the WebUI.	
Net Directory Provider Name	<SYMB_ITEM ID="BS_XML_Netdirs.astNetdirProvider[1].aucProviderName[%]" class="symb_item" value="'Central phonebook'"/>	
	In this parameter the names of the providers are stored that support the Net Directory service. The user of the Web interface or of the menu can find these names there and can select another provider for the service if he wants to use another database for the net directory service.	
Encrypt Posts	<SYMB_ITEM ID="BS_XML_Netdirs.astNetdirProvider[1].bitfldCap.bEncryptPosts" class="symb_item" value="0x0"/>	
	If this capability is set all posted names and numbers in a private phone book are encrypted. If it is not set the posted names and numbers are not encrypted.	
Private Directory Nickname Capability	<SYMB_ITEM ID="BS_XML_Netdirs.astNetdirProvider[1].bitfldCap.bPrivateDirectoryNicknameCap" class=" symb_item" value="0x0"/>	
	This is a capability bit to activate the nick name field in the editor for the private phone bock. If the provider supports this feature the user needs an editor to write or change a nick name. (0=Editor field off, 1=Editor field on)	
Reverse Search Capability	<SYMB_ITEM ID="BS_XML_Netdirs.astNetdirProvider[1].bitfldCap.bReverseSearchCap" class=" symb_item" value="0x0"/>	

	The Reverse search capability means that a phone number is send by the phone or the user to the net directory (e.g. automatically during an incoming call or manually by the user via search editor). The net directory gives an answer which name belongs to the number. If the reverse search capability is activated an extra line in the editor is visible so that the customer can search a name that belongs to the number.	
Send Mac Address	<SYMB_ITEM ID="BS_XML_Netdirs.astNetdirProvider[1].bitfldCap.bSndMacAddress" class="symb_item" value="0x1"/>	
	In case this capability is activated a request to a net provider phone book is send containing additionally the MAC address of the Gigaset device. This is used as a security option.	
Country code	<SYMB_ITEM ID="BS_XML_Netdirs.astNetdirProvider[1].aucCountryCode[%]" class="symb_item" value="""/>	
	The Net Directory service is supported by different providers in different countries. A list of different provider is implemented in the Gigaset devices. The list can be found at the end of this chapter. In this parameter an abbreviation of a country can be setup. If it is setup, this abbreviation is add in front of the net directory name in the MMI. It can consist of a maximum of 3 characters. Mostly, this is empty.	
High Priority for the Net Directory Access	<SYMB_ITEM ID="BS_LM_AppCfg.bit.bHasHighPrioNetDirAccess" class="symb_item" value="0x1"/>	
	If this feature is enabled: short press on phonebook key opens the online directory list. Long press opens the local Directory list. To be enabled only if the operator provides a private network based phonebook, which should replace the local phonebook. The handset has also to support this feature. If not supported by a handset and the feature is enabled, the feature will not work. If it is disabled: short press on the phonebook key opens the local directory list. A long press opens the online directory list.	

XML example

<SYMB_ITEM ID="BS_XML_Netdirs.aucActivatedNetdirs[%]" class="symb_item" value="0x14,0x15"/>
<SYMB_ITEM ID="BS_XML_Netdirs.aucAvailableNetdirs[%]" class="symb_item" value="0x14,0x15"/>
<SYMB_ITEM ID="BS_XML_Netdirs.astNetdirProvider[1].aucProviderName[%]" class="symb_item" value="'Central phonebook'"/>
<SYMB_ITEM ID="BS_XML_Netdirs.astNetdirProvider[1].aucServerURL[%]" class="symb_item" value="'http://192.168.178.164/gigaset-prov/netdir/?'"/>
<SYMB_ITEM ID="BS_XML_Netdirs.astNetdirProvider[1].aucUsername[%]" class="symb_item" value="""/>
<SYMB_ITEM ID="BS_XML_Netdirs.astNetdirProvider[1].aucPassword[%]" class="symb_item" value="""/>
<SYMB_ITEM ID="BS_XML_Netdirs.astNetdirProvider[1].aucPrivatePagesDirName[%]" class="symb_item" value="'Personal'"/>
<SYMB_ITEM ID="BS_XML_Netdirs.astNetdirProvider[1].aucWhitePagesDirName[%]" class="symb_item" value="'Intern'"/>
<SYMB_ITEM ID="BS_XML_Netdirs.astNetdirProvider[1].aucYellowPagesDirName[%]" class="symb_item" value="'Global'"/>
<SYMB_ITEM ID="BS_XML_Netdirs.astNetdirProvider[1].ucAuthPossibilities" class="symb_item" value="0x4"/>
<SYMB_ITEM ID="BS_XML_Netdirs.astNetdirProvider[1].aucCountryCode[%]" class="symb_item" value="""/>
<SYMB_ITEM ID="BS_XML_Netdirs.astNetdirProvider[1].bitfldCap.bAutolookupCap" class="symb_item" value="0x0"/>
<SYMB_ITEM ID="BS_XML_Netdirs.astNetdirProvider[1].bitfldCap.bEncryptPosts" class="symb_item" value="0x0"/>
<SYMB_ITEM ID="BS_XML_Netdirs.astNetdirProvider[1].bitfldCap.bPrivateDirectoryCap" class="symb_item" value="0x1"/>
<SYMB_ITEM ID="BS_XML_Netdirs.astNetdirProvider[1].bitfldCap.bPrivateDirectoryNicknameCap" class="symb_item" value="0x0"/>
<SYMB_ITEM ID="BS_XML_Netdirs.astNetdirProvider[1].bitfldCap.bReverseSearchCap" class="symb_item" value="0x0"/>
<SYMB_ITEM ID="BS_XML_Netdirs.astNetdirProvider[1].bitfldCap.bSearchBusinessCap" class="symb_item" value="0x1"/>
<SYMB_ITEM ID="BS_XML_Netdirs.astNetdirProvider[1].bitfldCap.bSearchPeopleCap" class="symb_item" value="0x1"/>
<SYMB_ITEM ID="BS_XML_Netdirs.astNetdirProvider[1].bitfldCap.bSndMacAddress" class="symb_item" value="0x1"/>

N510 info

The N510 will show 16 phonebook entries, this is hardcoded in the device and can not be changed
Also the "limit=2048" parameter is dependent on "count=16" (it is a multiple of the max. size of one entry).The N510 could handle for sure more than 16 entries, but at some point the system could run out of memory.

So it is managed on the server. Example:
The device sends request first request with "&first=1&count=16":
http://192.168.0.50/gigaset-prov/netdir/?command=get_list&type=yp&wh=A%2a&ct=%2a&st=%2a&ln=%2a&cat=%2a&nr=%2a&hm=%2a&mb=%2a&fx=%2a&sip=%2a&zc=%2a&in=%2a&bp=%2a&lang=3&first=1&count=16&mac=7C2F80143EEA&reqsrc=user&limit=2048
The server responds with the first 16 entries and has reported that there are a total="396" entries.
Now, the base station takes control and demands, depending on user behavior, 16 additional entries.
This could be continued until the total number of 396 entries is reached. The attached trace contains just 113 entries ("first=97&count=16")