

N510 XML Phonebook 40, 41, 42

Introduction

There are different XML phone-books in the N510.

The N510 does not have a central phone-book that is stored in the base, the XML phone-books are located on a server that communicates with the N510. The handsets have their own local phone-book.

Gigaset number	Type	Search possibility in XML phone-book, displayed on handset
20	White pages	
21	Personal	
40	White pages	Enter character and search from first letter in first name and last name.
41	Yellow pages	Enter character and search from first letter in first name and last name.
42	Personal	Shows list with .. entries, no refine search

Configuration

Phonebook 40/41/42 settings.

The usage of these phone-books where originally created to be configured via provisioning, therefore not all parameters are visible in the web-interface.

Setting	Description	Provisioning Parameter	Web-interface
Provider name:	Phonebook name	BS_XML_Netdirs.astNetdirProvider[0].aucProviderName[0]="System phonebook"	<a href="http://<IP address>/settings_online_directory_addional_provider.html">http://<IP address>/settings_online_directory_addional_provider.html <i>Hidden page:</i> <a href="http://<IP address>/settings_services_eeprom_provider.html">http://<IP address>/settings_services_eeprom_provider.html
Directory name: (White Public)	Name phonebook 40, White pages	BS_XML_Netdirs.astNetdirProvider[0].aucWhitePagesDirName[0]="Internal"	<a href="http://<IP address>/settings_online_directory_addional_provider.html">http://<IP address>/settings_online_directory_addional_provider.html <i>Hidden page:</i> <a href="http://<IP address>/settings_services_eeprom_provider.html">http://<IP address>/settings_services_eeprom_provider.html
Directory name: (Yellow)	Name phonebook 41, Yellow pages	BS_XML_Netdirs.astNetdirProvider[0].aucYellowPagesDirName[0]="Global"	<a href="http://<IP address>/settings_online_directory_addional_provider.html">http://<IP address>/settings_online_directory_addional_provider.html <i>Hidden page:</i> <a href="http://<IP address>/settings_services_eeprom_provider.html">http://<IP address>/settings_services_eeprom_provider.html
Directory name: (Private)	Name phonebook 42, Personal	BS_XML_Netdirs.astNetdirProvider[0].aucPrivatePagesDirName[0]="Personal"	<i>Hidden page:</i> <a href="http://<IP address>/settings_services_eeprom_provider.html">http://<IP address>/settings_services_eeprom_provider.html

Username:	Login username, if needed?	BS_XML_Netdirs.astNetdirProvider[0].aucUsername[0]=""	<p>http://<IP address>/settings_online_directory_additional_provider.html</p> <p><i>Hidden page:</i></p> <p>http://<IP address>/settings_services_eeprom_provider.html</p>
Password:	Password, if needed?	BS_XML_Netdirs.astNetdirProvider[0].aucPassword[0]=""	<p>http://<IP address>/settings_online_directory_additional_provider.html</p> <p><i>Hidden page:</i></p> <p>http://<IP address>/settings_services_eeprom_provider.html</p>
Server URL:	URL to the net directory service. Please do not forget the "/"	BS_XML_Netdirs.astNetdirProvider[0].aucServerURL[0]="http://192.168.179.164/gigaset-prov/netdir/"	<p>http://<IP address>/settings_online_directory_additional_provider.html</p> <p><i>Hidden page:</i></p> <p>http://<IP address>/settings_services_eeprom_provider.html</p> <p>On the web-page, the "/" is not needed/possible, the device will add this automatic.</p>
Country Code	Not used, empty	BS_XML_Netdirs.astNetdirProvider[0].aucCountryCode[0]=""	<p><i>Hidden page:</i></p> <p>http://<IP address>/settings_services_eeprom_provider.html</p>
Authentication mode:	ROM DATA USER DATA ROM or USER DATA SIP DATA from 1st Account SIP DATA from assigned send account (4)	BS_XML_Netdirs.astNetdirProvider[0].ucAuthPossibilities="0x4" Proposed setting	<p><i>Hidden page:</i></p> <p>http://<IP address>/settings_services_eeprom_provider.html</p>
Capabilities			
Search people	Search in phonebook 40, white pages.	BS_XML_Netdirs.astNetdirProvider[0].bitfldCap.bSearchPeopleCap="0x1" proposed setting	<p><i>Hidden page:</i></p> <p>http://<IP address>/settings_services_eeprom_provider.html</p>
Search business	Search in phonebook 41, yellow pages.	BS_XML_Netdirs.astNetdirProvider[0].bitfldCap.bSearchBusinessCap="0x1" proposed setting	<p><i>Hidden page:</i></p> <p>http://<IP address>/settings_services_eeprom_provider.html</p>
Reverse search	Incoming call, search for name.	BS_XML_Netdirs.astNetdirProvider[0].bitfldCap.bReverseSearchCap="0x0"	<p><i>Hidden page:</i></p> <p>http://<IP address>/settings_services_eeprom_provider.html</p>
Private network directory	Enable private phonebook 42.	BS_XML_Netdirs.astNetdirProvider[0].bitfldCap.bPrivateDirectoryCap="0x1" Parameter is not used, enable / disable is done via other setting.	<p><i>Hidden page:</i></p> <p>http://<IP address>/settings_services_eeprom_provider.html</p>
Autolookup	Switches on or off the automatic lookup	BS_XML_Netdirs.astNetdirProvider[0].bitfldCap.bAutolookupCap="0x0"	<p><i>Hidden page:</i></p> <p>http://<IP address>/settings_services_eeprom_provider.html</p>
Nickname for Private network directory	Not used	BS_XML_Netdirs.astNetdirProvider[0].bitfldCap.bPrivateDirectoryNicknameCap="0x0"	<p><i>Hidden page:</i></p> <p>http://<IP address>/settings_services_eeprom_provider.html</p>

Send MAC address	Security in request send MAC address	BS_XML_Netdirs.astNetdirProvider[0].bitfldCap.bSndMacAddress="0x1"	<i>Hidden page:</i> http://<IP address>/settings_services_eeprom_provider.html
Encrypt Posts		BS_XML_Netdirs.astNetdirProvider[0].bitfldCap.bEncryptPosts="0x0"	<i>Hidden page:</i> http://<IP address>/settings_services_eeprom_provider.html
Activate the Phone-books			
		BS_XML_Netdirs.aucActivatedNetdirs[0]="0x28,0x29,0x2a"	
		BS_XML_Netdirs.aucAvailableNetdirs[0]="0x28,0x29,0x2a"	

Web-interface

http://<IP address>/settings_online_directory_additional_provider.html		http://<IP address>/settings_services_eeprom_provider.html	
<div> <div>Network</div> <div>Telephony</div> <div>Messaging</div> <div>Info Services</div> <div>Directories</div> <div>Online Directory</div> <div>Corporate Directory</div> <div>Directory Transfer</div> <div>Management</div> </div>	<div>Settings for an additional Provider</div> <div> <div>Provider name</div> <div>System phonebook</div> </div> <div> <div>Server address</div> <div>http://192.168.179.164/gigaset-prov/netdir/</div> </div> <div> <div>Authentication name</div> <div></div> </div> <div> <div>Authentication password</div> <div></div> </div> <div> <div>Type</div> <div>Name</div> <div>Activate</div> </div> <div> <div>White Pages</div> <div>Internal</div> <div><input checked="" type="checkbox"/></div> </div> <div> <div>Yellow Pages</div> <div>Global</div> <div><input checked="" type="checkbox"/></div> </div> <div> <div>Delete settings</div> </div>	<div>EEPROM Phonebook Provider</div> <div> <div>Enable EEPROM Phonebook Provider:</div> <div><input type="radio"/> Yes <input checked="" type="radio"/> No</div> </div> <div> <div>Provider name:</div> <div>System phonebook</div> </div> <div> <div>Directory name (White Public):</div> <div>Internal</div> </div> <div> <div>Directory name (Yellow):</div> <div>Global</div> </div> <div> <div>Directory name (Private):</div> <div>Personal</div> </div> <div> <div>Username:</div> <div></div> </div> <div> <div>Password:</div> <div>*****</div> </div> <div> <div>Server URL:</div> <div>http://192.168.179.164/gi</div> </div> <div> <div>Country code:</div> <div></div> </div> <div> <div>Authentication mode:</div> <div>SIP DATA from assigned</div> </div> <div> <div>Capabilities</div> <div> <input checked="" type="checkbox"/> Search people <input checked="" type="checkbox"/> Search business <input type="checkbox"/> Reverse search <input checked="" type="checkbox"/> Private network direct <input type="checkbox"/> Autolookup <input type="checkbox"/> Nickname for Private <input checked="" type="checkbox"/> Send MAC address <input type="checkbox"/> Encrypt Posts </div> </div>	

Server address/ URL: On the web-page, the "/" is not needed/possible, the device will add this automatic. Via provisioning you need to add this.

XML example template

```
<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="System phonebook"/>
<SYMB_ITEM ID="BS_XML_Netdirs.astNetdirProvider[0].aucServerURL[0]" class="symb_item"
value="http://192.168.179.164/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"/>

<-- Here you enable the 3 phone-books 28(hex) = 40(dec), 29(hex) = 41(dec), 2a(hex) = 42(dec) -->

<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"/>
```

We start the Search using Letter "e"

GET /gigaset-prov/netdir/?command=get%5flist&type=pb&fn=%2a&ln=E%2a&ct=%2a&st=%2a&hm=%2a&nr=%2a&mb=%2a&fx=%2a&sip=%2a&zc=%2a&em=%2a&in=%2a&bp=%2a&lang=3&first=1&count=16&mac=7C2F8030D21E&reqsrc=user&limit=2048 HTTP/1.1

Connection: Keep-Alive

User-Agent: N510 IP PRO/42.240.00.000.000

Host: 192.168.179.164

Accept: application/octet-stream, /*

Accept-Language: de

Accept-Charset: iso-8859-1,*,utf-8

Content-Length: 0

HTTP/1.1 401 Unauthorized

Date: Tue, 14 Feb 2017 08:51:14 GMT

Server: Apache/2.4.6 (Unix) PHP/5.4.24

X-Powered-By: PHP/5.4.24

WWW-Authenticate: Digest realm="xmlphonebook.gigaset-netdir.lan",qop="auth",nonce="58a2c502b3342",opaque="14232f18fd5f04530446927c1ce7b38c"

Content-Length: 23

Keep-Alive: timeout=5, max=100

Connection: Keep-Alive

Content-Type: text/html

Authentication requiredGET /gigaset-prov/netdir/?command=get%5flist&type=pb&fn=%2a&ln=E%2a&ct=%2a&st=%2a&hm=%2a&nr=%2a&mb=%2a&fx=%2a&sip=%2a&zc=%2a&em=%2a&in=%2a&bp=%2a&lang=3&first=1&count=16&mac=7C2F8030D21E&reqsrc=user&limit=2048 HTTP/1.1

Connection: Keep-Alive

User-Agent: N510 IP PRO/42.240.00.000.000

Host: 192.168.179.164

Accept: application/octet-stream, */*

Accept-Language: de

Accept-Charset: iso-8859-1,*,utf-8

Authorization: Digest username="217", realm="xmlphonebook.gigaset-netdir.lan", qop=auth, uri="http://192.168.179.164/gigaset-prov/netdir/?command=get%5flist&type=pb&fn=%2a&ln=E%2a&ct=%2a&st=%2a&hm=%2a&nr=%2a&mb=%2a&fx=%2a&sip=%2a&zc=%2a&em=%2a&in=%2a&bp=%2a&lang=3&first=1&count=16&mac=7C2F8030D21E&reqsrc=user&limit=2048", nonce="58a2c502b3342", nc=00000001, cnonce="8db5a2b4494340b12a50479870550181", opaque="14232f18fd5f04530446927c1ce7b38c", response="dd3db109d83b0cfb419ed9ac17a93bac"

Content-Length: 0

HTTP/1.1 200 OK

Date: Tue, 14 Feb 2017 08:51:14 GMT

Server: Apache/2.4.6 (Unix) PHP/5.4.24

X-Powered-By: PHP/5.4.24

Content-Length: 387

Keep-Alive: timeout=5, max=99

Connection: Keep-Alive

Content-Type: text/html

<?xml version="1.0" encoding="UTF-8"?>

<list response="get_list" type="pb" reqid="1000" total="3" first="1" last="3">

<entry id="1001">

<ln>210</ln>

<fn>User 1</fn>

<in>210</in>

</entry>

<entry id="1002">

<ln>User 2</ln>

<fn>Office</fn>

<in>214</in>

</entry>

<entry id="1003">

<ln>Mobile</ln>
<fn>User 3</fn>
<in>440</in>
</entry>
</list>

We start the Search using Letter "e"

GET /gigaset-prov/netdir/?command=get%5flist&type=yp&wh=E%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=7C2F8030D21E&reqsrc=user&limit=2048 HTTP/1.1

Connection: Keep-Alive

User-Agent: N510 IP PRO/42.240.00.000.000

Host: 192.168.179.164

Accept: application/octet-stream, */*

Accept-Language: de

Accept-Charset: iso-8859-1,*,utf-8

Content-Length: 0

HTTP/1.1 401 Unauthorized

Date: Tue, 14 Feb 2017 08:57:02 GMT

Server: Apache/2.4.6 (Unix) PHP/5.4.24

X-Powered-By: PHP/5.4.24

WWW-Authenticate: Digest realm="xmlphonebook.gigaset-netdir.lan",qop="auth",nonce="58a2c65ee0c43",opaque="14232f18fd5f04530446927c1ce7b38c"

Content-Length: 23

Keep-Alive: timeout=5, max=100

Connection: Keep-Alive

Content-Type: text/html

Authentication requiredGET /gigaset-prov/netdir/?command=get%5flist&type=yp&wh=E%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=7C2F8030D21E&reqsrc=user&limit=2048 HTTP/1.1

Connection: Keep-Alive

User-Agent: N510 IP PRO/42.240.00.000.000

Host: 192.168.179.164

Accept: application/octet-stream, */*

Accept-Language: de

Accept-Charset: iso-8859-1,*,utf-8

Authorization: Digest username="217", realm="xmlphonebook.gigaset-netdir.lan", qop=auth, uri="http://192.168.179.164/gigaset-prov/netdir/?command=get%5flist&type=yp&wh=E%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=7C2F8030D21E&reqsrc=user&limit=2048", nonce="58a2c65ee0c43", nc=00000001, cnonce="109f00cc967699ef78c6bf60c28b050a", opaque="14232f18fd5f04530446927c1ce7b38c", response="578c8d71f2f75a5b9f4a94c702f1ab47"

Content-Length: 0

HTTP/1.1 200 OK

Date: Tue, 14 Feb 2017 08:57:02 GMT

Server: Apache/2.4.6 (Unix) PHP/5.4.24

X-Powered-By: PHP/5.4.24

Content-Length: 430

Keep-Alive: timeout=5, max=99

Connection: Keep-Alive

Content-Type: text/html

<?xml version="1.0" encoding="UTF-8"?>

<list response="get_list" type="yp" reqid="1000" total="3" first="1" last="3">

<entry id="1001">

<ln>User</ln>

<fn>First</fn>

<in>0123456789</in>

</entry>

<entry id="1002">

<ln>Mobile</ln>

<fn>Eric</fn>

<cpn>Gigaset</cpn>

<in>0687654323</in>

</entry>

<entry id="1003">

<ln>User</ln>

<fn>Second</fn>

<in>0987654321</in>

</entry>

</list>

GET /gigaset-prov/netdir/?command=get%5flist&type=pr&cpn=%2a&cat=%2a&bi=%2a&jid=%2a&fn=%2a&ln=%2a&ct=%2a&st=%2a&hm=%2a&nr=%2a&mb=%2a&fx=%2a&sip=%2a&zc=%2a&em=%2a&in=%2a&bp=%2a&lang=3&first=1&count=16&mac=7C2F8030D21E&reqsrc=user&limit=2048 HTTP/1.1

Connection: Keep-Alive

User-Agent: N510 IP PRO/42.240.00.000.000

Host: 192.168.179.164

Accept: application/octet-stream, */*

Accept-Language: de

Accept-Charset: iso-8859-1,*,utf-8

Content-Length: 0

HTTP/1.1 401 Unauthorized

Date: Tue, 14 Feb 2017 09:02:27 GMT

Server: Apache/2.4.6 (Unix) PHP/5.4.24

X-Powered-By: PHP/5.4.24

WWW-Authenticate: Digest realm="xmlphonebook.gigaset-netdir.lan",qop="auth",nonce="58a2c7a3b6636",opaque="14232f18fd5f04530446927c1ce7b38c"

Content-Length: 23

Keep-Alive: timeout=5, max=100

Connection: Keep-Alive

Content-Type: text/html

Authentication requiredGET /gigaset-prov/netdir/?command=get%5flist&type=pr&cpn=%2a&cat=%2a&bi=%2a&jid=%2a&fn=%2a&ln=%2a&ct=%2a&st=%2a&hm=%2a&nr=%2a&mb=%2a&fx=%2a&sip=%2a&zc=%2a&em=%2a&in=%2a&bp=%2a&lang=3&first=1&count=16&mac=7C2F8030D21E&reqsrc=user&limit=2048 HTTP/1.1

Connection: Keep-Alive

User-Agent: N510 IP PRO/42.240.00.000.000

Host: 192.168.179.164

Accept: application/octet-stream, /*

Accept-Language: de

Accept-Charset: iso-8859-1,*,utf-8

Authorization: Digest username="217", realm="xmlphonebook.gigaset-netdir.lan", qop=auth, uri="http://192.168.179.164/gigaset-prov/netdir/?command=get%5flist&type=pr&cpn=%2a&cat=%2a&bi=%2a&jid=%2a&fn=%2a&ln=%2a&ct=%2a&st=%2a&hm=%2a&nr=%2a&mb=%2a&fx=%2a&sip=%2a&zc=%2a&em=%2a&in=%2a&bp=%2a&lang=3&first=1&count=16&mac=7C2F8030D21E&reqsrc=user&limit=2048", nonce="58a2c7a3b6636", nc=00000001, cnonce="48d4fb6ba98daff5bed0e135dfb5643b", opaque="14232f18fd5f04530446927c1ce7b38c", response="7220c70b2f4c406b3ef2d809cc93dc65"

Content-Length: 0

HTTP/1.1 200 OK

Date: Tue, 14 Feb 2017 09:02:27 GMT

Server: Apache/2.4.6 (Unix) PHP/5.4.24

X-Powered-By: PHP/5.4.24

Content-Length: 219

Keep-Alive: timeout=5, max=99

Connection: Keep-Alive

Content-Type: text/html

<?xml version="1.0" encoding="UTF-8"?>

<list response="get_list" type="pr" reqid="1000" total="1" first="1" last="1">

<entry id="1001">

<ln>private</ln>

<fn>private</fn>

<in>0123457678</in>

</entry>

</list>

- [Introduction](#)
- [Configuration](#)
 - [Phonebook 40/41/42 settings.](#)
 - [Web-interface](#)