

MRS Service (Network Lookup) QUERY Interface Technical Papers

What is an MRS?

MRS means “MSISDN Resolver Service”.

This service provides the possibility to retrieve information for a given mobile number (MSISDN). Based upon this information the service also delivers detailed data about:

- Operator's name
- Country
- Location
- Time zone
- Portability
- Online/offline status

How to send a request?

The request can be submitted with a simple QUERY/GET method to the following address

URL
http://www.agiletelecom.com/MRS/mrsclient.aspx

Adding the following parameters to the request

MRS REQUEST			
Name	Type	Example	Description
USER	String	testaccount	Your account name
PASSWORD	String	mypassword	Your account password
NUMBER	String	+393381234567	Number to check in international format

(ATTENTION: name of the parameters should be in uppercase, cause the PHP page is case sensitive)

Here is an example of the request

EXAMPLE
http://www.agiletelecom.com/MRS/mrsclient.aspx?USER=testaccount&PASSWORD=mypassword&NUMBER=+393381234567

What will I receive as answer?

The service will answer with an XML code containing the following fields

POSITIVE ANSWER				
Group Name	XML-Tag	Type	Example	Description
Transaction	Response_code	String	0	Error Code of the transaction
	Response	String	Success	Status of the transaction
Account	User	String	testaccount	Your account name
	Credit	String	1500	Remaining credit in your account
Mobile	msisdn	Numeric	393351234567	Mobile Subscriber Integrated Service Digital Networknumber
	prefix	Numeric	335	Prefix of the mobile number
	full_imsi	String		
	full_msc	String		
	mobile_country_code	Array of Integers	222	Mobile country code
	mobile_network_code	Array of Integers	10	Mobile network code
HomeDetails	country_code	Numeric	39	
	country_iso	String	Italy	
	country_name	String	Rome	
	country_capital	Numeric	4	
	country_zone	String	Europe	
	country_timezone	Array of Strings	+0100 CET Central European Time	
	country_long	String	12.833333333333 E	
	country_lat	String	42.833333333333 N	
	operator_mnc	Numeric	10	
	operator_name	String	Vodafone	
operator_alias	String	Omnitel Pronto		
LocationDetails	msisdn	String	+393381234567	
	national	String	03381234567	
	prefix	Numeric	338	
	ported	Boolean	1	
	ported_from_id	Integer	24	
presence	status	String	1	
	validity	Integer	10	

location	isocode	String	it	
	name	String	Italy	
	capital	String	Rome	
	zone	Short	4	
	zone_name	String	Europe	
	timezone	Array of Strings	+0100 CET Central European Time	
	longitude	String	12.833333333333 E	
	latitude	String	42.833333333333 N	

NEGATIVE ANSWER		
Error Code	Error Name	Description/Solution
20	Missing parameter USER/PASSWORD/NUMBER	At least one parameter is missing. Check them again
30	Wrong USER/PASSWORD	User not found or incorrect password. Check your user name and/or password
31	Not enough credit	Your account doesn't have enough credit for the request
32	Not allowed	You are using a test account, so you are not allowed to use this service
40	Wrong NUMBER format	Wrong syntax of the number. Check the syntax of the NUMBER parameter. (International format beginning with + , 00 or %2B
52	Absent subscriber	The number is not available, absent, or switched off. Try again later.
54	Unknow subscriber	The number doesn't exist