myMSP API v2 Appendix URL shortener
System Interface - Specifications

1 Purpose of Document

The purpose of this document is to define the HTTPS interface made available by myMSP to access the URL shortening functionality. Accessing myMSP can be done from the computer systems of external parties/customers.

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1.2 Document Status

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1.3 Document Perimeter

Neither economical questions nor questions regarding agreements/contracts will be dealt with in this document.

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2 Technical description

The URL shortener API is used to create short URLs that forwards all request to longer URLs. This is an efficient way to reduce the length of an SMS message. myMSP uses a default domain name when creating short URLS but custom domains can also be configured. Contact you 21st sales representative to activate this feature for your account.

The interface is realised through HTTPS. An external system can send data to myMSP through HTTPS using the GET or POST methods to submit data. The results are delivered as a HTTPS RESPONSE in the "text/plain" format.

3 HTTPS methods

This chapter describes the various HTTPS methods in more detail.

3.1 Create shortened URL (create)

Creates a new shortened URL that will forward all requests to a long (destination) URL. It is recommended that a POST method is used with the media type set to "application/x-www-form-urlencoded" to ensure that the "destination" parameter is correctly encoded.

Connection: https://mymsp.21st.se/external/urlShortener/create

3.1.1 Input parameters

user	String (64)	User Account
pwd	String (64)	Password
destination	String (4000)	The long URL that the shortened URL should forward all requests to. Must be a valid URL.
domain	String (200)	(OPTIONAL) The domain (including subdomain) of the shortened URL. If empty they default system or (if set) account domain is used.
resource	String (64)	(OPTIONAL) The resource path of the shortened URL, i.e. the part of the URL that is after the domain but before the resource ID. For example, at.21st.se/**thisIsAResource**/ABC123. If empty the resource part of the shortened URL is excluded to that the ID follows directly after the domain (at.21st.se/ABC123).
resourceid	String (64)	(OPTIONAL) The ID that is used to uniquely identify the shortened URL. If empty a random ID is generated.
expires	Integer	(OPTIONAL) The number of days (request time + 24h x expires) until the shortened URL is automatically removed. If empty or zero the URL never expires.

3.1.2 Output parameters (positive result)

A	Character 'A'
STATUS	The shortened URL along with parameters separated by a tab-character ( ). The parameters are (in order): *Shortened URL ID (unique ID for the shortened URL)* *Shortened URL (the shortened URL)* *Domain (domain part of the shortened URL)* *Resource (resource path part of the shortened URL)* *Resource ID (resource ID part of the shortened URL)* *Create time (when the shortened URL was created)* *Expiration time (when the shortened URL expires)* *Clicks (the number of times the shortened URL has forwarded a request)* Example: `e8cf(…)   at.21st.se/g/abc123   at.21st.se   g   abc123   20200414120530000   20200416120530000   0`

3.1.3 Output parameters (negative result)

N	Character 'N'
errNo	The error code: 7: Authorization missing 75: URL shortening module not activated for user 13: Unknown error, contact support 22: No value in parameter 'user' 23: Parameter 'user' missing 24: No value in parameter 'pwd' 25: Parameter 'pwd' missing 951: Invalid 'destination' parameter 952: Parameter 'domain' too long 953: Parameter 'resource' too long 954: Parameter 'resourceid' too long 955: Invalid 'expires' parameter 956: A shortened URL with the same domain, resource and resourceid already exists 957: All available resourceids for the domain and resource have been taken.

3.2 Get shortened URLs (get)

Get one or more shortened URLs using IDs.

Connection: https://mymsp.21st.se/external/urlShortener/get

3.2.1 Input parameters

user	String (64)	User Account
pwd	String (64)	Password
id	String (64 per ID)	Shortened URL ID. Included in the response when a new shortened URL is created. Multiple IDs can be submitted as a comma-separated list.

3.2.2 Output parameters (positive result)

A	Character 'A'

STATUS	See 3.1.2
	
	 Example:
	 `e8cf(…)  at.21st.se/g/abc123   at.21st.se   g   abc123   20200414120530000   20200416120530000   2`
	 `h39p(…)  at.21st.se/def456      at.21st.se       def456   20200414134520000                        1`

3.2.3 Output parameters (negative result)

N	Character 'N'
errNo	The error code: 7: Authorization missing 75: URL shortening module not activated for user 13: Unknown error, contact support 22: No value in parameter 'user' 23: Parameter 'user' missing 24: No value in parameter 'pwd' 25: Parameter 'pwd' missing 950: No shortened URL with 'id' exists for user

3.3   Get all shortened URLs (getall)

Get all shortened URLs created by a user.

Connection https://mymsp.21st.se/external/sendlater/getall

3.3.1   Input parameters

user	String (64)	User Account
pwd	String (64)	Password

3.3.2   Output parameters (positive result)

A	Character 'A'
STATUS	See 3.2.2

3.3.3   Output parameters (negative result)

N	Character 'N'
errNo	The error code: 7: Authorization missing 75: URL shortening module not activated for user 13: Unknown error, contact support 22: No value in parameter 'user' 23: Parameter 'user' missing 24: No value in parameter 'pwd' 25: Parameter 'pwd' missing

3.4   Remove shortened URL (remove)

Remove one or more shortened URLs using IDs.

Connection: https://mymsp.21st.se/external/remove

3.4.1   Input parameters

user	String (64)	User Account
pwd	String (64)	Password
id	String (64 per ID)	Shortened URL ID. Included in the response when a new shortened URL is created. Multiple IDs can be submitted as a comma-separated list.

3.4.2   Output parameters (positive result)

A	Character 'A'

3.4.3 Output parameters (negative result)

N	Character 'N'
errNo	The error code: 7: Authorization missing 75: URL shortening module not activated for user 13: Unknown error, contact support 22: No value in parameter 'user' 23: Parameter 'user' missing 24: No value in parameter 'pwd' 25: Parameter 'pwd' missing 950: No shortened URL with 'id' exists for user