

999 API for hosted number ranges

Introduction

This API is designed to allow partners who have their number ranges hosted with aql to update their interface with BT's 999 system. This will provide an easy method for the update of BT's 999 record details for our customers.

Interface

Interface protocols

The protocol presented is HTTPS. All the API methods will be executed by a standard POST request of the HTTPS protocol.

Interface methods

The interface methods will be as follows:

- Activate Customer
- Cease Customer
- Modify Customer
- Export Number
- Import Number
- Get Record IDs By Number
- Get Record By ID

Return codes

Return codes used will be the standard meanings for 200 OK, 404 Unauthorised and 500 INTERNAL ERROR.

Activate customer

Request: Used to activate a number with associated customer details at BT's TDM system.

URL: <https://999.aql.com/matilda/ActivateCustomer>

Method: POST

Parameter	Type	Required	Length	Description
username	Alphanumeric	Yes		aql 999 username
password	Alphanumeric	Yes		aql 999 password
number	Numeric	Yes	15	Telephone Number. Must start with 0 e.g. 01242111222

postcode	Alphanumeric	Yes	8	Customer's postcode. This must be sent in the format of Out-code space In-code i.e.: LS11 5DF, S9 5AD, S60 3ML
effective_date	Alphanumeric	Yes		Date on which the command associated with the listing is to be executed. Format used must be YYYY-MM-DD (where Y = Year, M = Month & D = Day)
surname	Alphanumeric	Yes	50	Name of the customer if residential or business Name
title	Alphanumeric	No	20	Title of the customer
forename	Alphanumeric	No	20	Forename of the customer
honours	Alphanumeric	No	30	Honours of the customer
business_suffix	Alphanumeric	No	50	Business suffix
line_type	Alphanumeric	No	30	Line type. This is for DDI/VoIP type number ranges or it basically will add a flag to show that the record which is being sent may not reflect the actual location of the caller. Options for the population of this field are EXT, DDI, FNET, or VOIP any of these possible mnemonic's will flag to the Operator as well as an Emergency Authority who has the EISEC service. (This allows the Emergency Authority to see the name and address details we have for a customer at the time of a 999 call)
premises	Alphanumeric	No	60	Identifies premises on a thoroughfare i.e. house name and/or number. Example: 24 and/or Bleak House
thoroughfare	Alphanumeric	No	55	The thoroughfare name and type Examples: Byron Close, Suffolk Lane, and High Street.
locality	Alphanumeric	No	30	Village or an area within a town and Town if possible

Output parameters

Parameter	Value	Description
id	Numeric	ID of created record

Modify customer

Request: Used to remove the requested number at BT's TDM system.

URL: <https://999.aql.com/matilda/CeaseCustomer>

Method: POST

Parameter	Type	Required	Length	Description
username	Alphanumeric	Yes		aql 999 username
password	Alphanumeric	Yes		aql 999 password
number	Numeric	Yes	15	Telephone Number. Must start with 0 e.g. 01242111222
effective_date	Alphanumeric	Yes		Date on which the command associated with the listing is to be executed. Format used must be YYYY-MM-DD (where Y = Year, M = Month & D = Day)

Output parameters

Parameter	Value	Description
id	Numeric	ID of removed record

Modify customer

Request: Used to modify the requested number's customer details at BT's TDM system.

URL: <https://999.aql.com/matilda/ModifyCustomer>

Method: POST

Parameter	Type	Required	Length	Description
username	Alphanumeric	Yes		aql 999 username
password	Alphanumeric	Yes		aql 999 Password
number	Numeric	Yes	15	Telephone Number. Must start with 0 e.g. 01242111222
postcode	Alphanumeric	Yes	8	Customer's postcode. This must be sent in the format of Out-code space In-code i.e.: LS11 5DF, S9 5AD, S60 3ML.
effective_date	Alphanumeric	Yes		Date on which the command associated with the listing is to be

				executed. Format used must be YYYY-MM-DD (where Y = Year, M = Month & D = Day)
surname	Alphanumeric	Yes	50	Name of the customer
title	Alphanumeric	No	20	Title of the customer
forename	Alphanumeric	No	20	Forename of the customer
honours	Alphanumeric	No	30	Honours of the customer
business_suffix	Alphanumeric	No	50	Business suffix
line_type	Alphanumeric	No	30	Line type. This is for DDI/VoIP type number ranges or it basically will add a flag to show that the record which is being sent may not reflect the actual location of the caller. Options for the population of this field are EXT, DDI, FNET, or VOIP any of these possible mnemonic's will flag to the Operator as well as an Emergency Authority who has the EISEC service. (This allows the Emergency Authority to see the name and address details we have for a customer at the time of a 999 call)
premises	Alphanumeric	No	60	Identifies premises on a thoroughfare i.e. house name and/or number. Example 24 and/or Bleak House
thoroughfare	Alphanumeric	No	55	The thoroughfare name and type Examples: Byron Close, Suffolk Lane, and High Street
locality	Alphanumeric	No	30	Village or an area within a town and Town if possible

Output parameters

Parameter	Value	Description
id	Numeric	ID of modified record

Export number

Request: Use to initiate an export to another carrier at BT's TDM system.

URL: <https://999.aql.com/matilda/ExportNumber>

Method: POST

Parameter	Type	Required	Length	Description
username	Alphanumeric	Yes		aql 999 username
password	Alphanumeric	Yes		aql 999 Password
number	Numeric	Yes	15	Telephone Number. Must start with 0 e.g. 01242111222
postcode	Alphanumeric	Yes	8	Customer's postcode. This must be sent in the format of Out-code space In-code i.e.: LS11 5DF, S9 5AD, S60 3ML.
effective_date	Alphanumeric	Yes		Date on which the command associated with the listing is to be executed. Format used must be YYYY-MM-DD (where Y = Year, M = Month & D = Day)
cp_identifier	Numeric	Yes		CUPID of importing CP

Output parameters

Parameter	Value	Description
id	Numeric	ID of experted record

Import number

Request: Used to confirm the import of a number from other carrier at BT's TDM system.

URL: <https://999.aql.com/matilda/ImportNumber>

Method: POST

Parameter	Type	Required	Length	Description
username	Alphanumeric	Yes		aql 999 username
password	Alphanumeric	Yes		aql 999 password
number	Numeric	Yes	15	Telephone Number. Must start with 0 e.g. 01242111222
cp_identifier	Numeric	Yes		CUPID of exporting CP
postcode	Alphanumeric	Yes	8	Customer's postcode. This must be sent in the format of Out-code space In-code i.e.: LS11 5DF, S9 5AD, S60 3ML
effective_date	Alphanumeric	Yes		Date on which the command associated with the listing is to be executed. Format used must be YYYY-MM-DD (where Y = Year, M = Month & D = Day)

surname	Alphanumeric	Yes	50	Name of the customer
title	Alphanumeric	No	20	Title of the customer
forename	Alphanumeric	No	20	Forename of the customer
honours	Alphanumeric	No	30	Honours of the customer
business_suffix	Alphanumeric	No	50	Business suffix
line_type	Alphanumeric	No	30	Line type. This is for DDI/VoIP type number ranges or it basically will add a flag to show that the record which is being sent may not reflect the actual location of the caller. Options for the population of this field are EXT, DDI, FNET, or VOIP any of these possible mnemonic's will flag to the Operator as well as an Emergency Authority who has the EISEC service. (This allows the Emergency Authority to see the name and address details we have for a customer at the time of a 999 call)
premises	Alphanumeric	No	60	Identifies premises on a thoroughfare i.e. house name and/or number. Example 24 and/or Bleak House
thoroughfare	Alphanumeric	No	55	The thoroughfare name and type Examples: Byron Close, Suffolk Lane, and High Street
locality	Alphanumeric	Yes	30	Village or an area within a town (and town if possible)

Output parameters

Parameter	Value	Description
id	Numeric	ID of imported record

Get record IDs by number

Request: Returns the ID numbers of all records associated with the requested phone number. Record ID numbers will be ordered from most recent to oldest.

URL: <https://999.aql.com/matilda/GetRecordIDsByNumber>

Method: POST

Parameter	Type	Required	Length	Description
username	Alphanumeric	Yes		aql 999 username

password	Alphanumeric	Yes		aql 999 Password
number	Numeric	Yes	15	Telephone Number. Must start with 0 e.g. 01242111222

Response

Parameter	Value	Description
id	Alphanumeric	List of record IDs separated by commas, ordered by most recent record to oldest, eg '135,141,156'.

Get record by ID

Request: Used to activate a number with associated customer details at BT's TDM system.

URL: <https://999.aql.com/matilda/ActivateCustomer>

Method: POST

Parameter	Type	Required	Length	Description
username	Alphanumeric	Yes		aql 999 username
password	Alphanumeric	Yes		aql 999 password
number	Numeric	Yes	15	Telephone Number. Must start with 0 e.g. 01242111222
id	Numeric	Yes		Record ID number

Output parameters

Parameter	Value	Description
id	Numeric	ID of record
created	Alphanumeric	Date and time of when the request was made to aql 999. Format: YYYY-MM-DD HH:MM.SS.mmmmmm
command	Alphanumeric	Command. (A, C, M, E, I)
status	Alphanumeric	Record status (see below)
postcode	Alphanumeric	Customer's postcode
effective_date	Alphanumeric	Date on which the command associated with the listing is to be executed. Format used is YYYY-MM-

		DD (where Y = Year, M = Month & D = Day)
surname	Alphanumeric	Name of the customer
title	Alphanumeric	Title of the customer
forename	Alphanumeric	Forename of the customer
honours	Alphanumeric	Honours of the customer
business_suffix	Alphanumeric	Business suffix
line_type	Alphanumeric	Line type. This is for DDI/VoIP type number ranges or it basically will add a flag to show that the record which is being sent may not reflect the actual location of the caller. Options for the population of this field are EXT, DDI, FNET, or VOIP any of these possible mnemonic's will flag to the Operator as well as an Emergency Authority who has the EISEC service. (This allows the Emergency Authority to see the name and address details we have for a customer at the time of a 999 call)
premises	Alphanumeric	Identifies premises on a thoroughfare i.e. house name and/or number. Example 24 and/or Bleak House
thoroughfare	Alphanumeric	The thoroughfare name and type Examples: Byron Close, Suffolk Lane, and High Street
locality	Alphanumeric	Village or an area within a town and Town if possible
cp_identifier	Numeric	CUPID
ret_code	Numeric	Return code after processing record
err_msg	Alphanumeric	Any error message received

Response status

Status	Description
READY	Data captured and ready to send. All 999 update requests are collated and sent in batches periodically.
PENDING	Data submitted
COMPLETE	Request completed
FAILED	Request failed