

# Arium MForce MQA

## RESTful Web Service Specification

12/21/2014

Prepared by Achmad Fauzi

## Contents

1.	Phone Network .....	2
2.	Check Phone Number ( Change ) .....	3
3.	Login ( Change ).....	4
4.	Get Admin Configuration (Change).....	5
5.	Change Password ( Change ).....	6
6.	Drop Call Cause .....	7
7.	Youtube Self Test 2 .....	8
8.	Browser Self Test 2.....	9
9.	Logout ( Change ) .....	9
10.	Speed Test Latency( New ).....	10
11.	Speed Test Download( New ).....	11
12.	Activate Account ( Change From Register ) .....	11
13.	Video View Self Test ( New ) .....	12

# 1. Phone Network

Request

Related Database Table : mforce\_phone\_network, security\_user

Parameter	Parameter Direction	Parameter Type	Is Mandatory	Size (Database)
rqid	IN	String	YES	
Tsk	IN	String	YES	character varying(2)
Lat	IN	Double	YES	double precision
long	IN	Double	YES	double precision
accu	IN	Double	YES	Real
Imei	IN	Integer	YES	character varying(25)
Imsi	IN	Integer	YES	character varying(25)
phone_type	IN	String	YES	character varying(50)
Os version	IN	String	YES	character varying(25)
Operator name	IN	String	YES	character varying(25)
Sim_Serial_Number	IN	Integer	YES	character varying(25)
Mcc	IN	Integer	YES	Numeric
Mnc	IN	Integer	YES	Numeric
Ln	IN	String	YES	character varying(255)
Batt	IN	String	YES	Real
Local	IN	String	YES	character varying(255)
Addr	IN	String	YES	character varying(255)
Rxl	IN	Integer	YES	Real
Rxq	IN	Integer	YES	Integer
Ber	IN	Integer	YES	Real
nettyp	IN	String	YES	character varying(10)
Lac	IN	Integer	YES	Integer
Cellid	IN	Integer	YES	Integer
Connstat	IN	String	YES	character varying(255)
Srvstat	IN	String	YES	character varying(255)
Ipaddr	IN	Integer	YES	character varying(100)
Wifi_name	IN	String	YES	Character varying(50)
User	IN	String	YES	character varying(50)
Datetime	IN	Date	YES	timestamp without time zone

Example :

[http://180.250.80.72:12080/mforce-rest/ws/service/rqid=358240056138381&tsk=PN&lat=-6.2674296&long=106.658062&accu=1095.0&imei=358240056138381&imsi=510101925899735&phone\\_type=LGE+Nexus+5+google&os=REL\\_4.4.2&operator=T-Sel&sn=8962100719258997359&mcc=510&mnc=10&ln=Unknown&batt=67.0&local=North+Serpong&addr=Jalan+Bougenville+I+No21&rxl=-](http://180.250.80.72:12080/mforce-rest/ws/service/rqid=358240056138381&tsk=PN&lat=-6.2674296&long=106.658062&accu=1095.0&imei=358240056138381&imsi=510101925899735&phone_type=LGE+Nexus+5+google&os=REL_4.4.2&operator=T-Sel&sn=8962100719258997359&mcc=510&mnc=10&ln=Unknown&batt=67.0&local=North+Serpong&addr=Jalan+Bougenville+I+No21&rxl=-)

[59&rxq=0&ber=0&nettyp=WIFI&lac=1722&cellid=43935&connstat=Mobile+data+enabled&srcstat=IDLE&ipaddr=10.143.115.197&wifi\\_name=SIGMA&user=fauzi%40gmail.com&datetime=2014-12-21+21%3A50%3A24](http://180.250.80.72:12080/mforce-rest/ws/service/59&rxq=0&ber=0&nettyp=WIFI&lac=1722&cellid=43935&connstat=Mobile+data+enabled&srcstat=IDLE&ipaddr=10.143.115.197&wifi_name=SIGMA&user=fauzi%40gmail.com&datetime=2014-12-21+21%3A50%3A24)

Response

Parameter	Parameter Direction	Parameter Type	Is Mandatory
RESULT	OUT	Integer	YES
Err_msg	OUT	String	NO
{ "RESULT":41165, "err_msg":"Insert Success!", "Err_code":0 }			

## 2. Check Phone Number ( Change )

Request

Related Database Table : security\_user, mforce\_device

Parameter	Parameter Direction	Parameter Type	Is Mandatory	Size (Database)
rqid	IN	String	YES	
Tsk	IN	String	YES	character varying(11)
mnumber	IN	String	YES	character varying(50)
deviceId	IN	String	YES	character varying(25)
Example : <a href="http://180.250.80.72:12080/mforce-rest/ws/service/rqid=081219899735&amp;tsk=CHECK_MNUMBER&amp;mnumber=08563084294&amp;deviceId=358240056138381">http://180.250.80.72:12080/mforce-rest/ws/service/rqid=081219899735&amp;tsk=CHECK_MNUMBER&amp;mnumber=08563084294&amp;deviceId=358240056138381</a>				

Response

Parameter	Parameter Direction	Parameter Type	Is Mandatory
RESULT	OUT	Integer	YES
Example : { "RESULT":1 }			

```
"err_msg":",  
"Err_code":0  
}
```

Process :

1. cek table user\_sec, jika ada return 1. Jika tidak, Lakukan proses 2
2. cek table user\_predefined, jika ada return 0. Jikta tidak, return -1

### 3. Login ( Change )

Request

Related Database Table : security\_user, mforce\_device

Parameter	Parameter Direction	Parameter Type	Is Mandatory	Size (Database)
rqid	IN	String	YES	
Tsk	IN	String	YES	Character varying(5)
Mnumber	IN	String	YES	Character varying(50)
Password	IN	String	YES	character varying(500)
deviceId	IN	String	YES	Character varying(25)

Example :

<http://180.250.80.72:12080/mforce-rest/ws/service/rqid=358240056138381&tsk=LOGIN&mnumber=08563084294&password=sigma123&deviceId=358240056138381>

Response

Parameter	Parameter Direction	Parameter Type	Is Mandatory
RESULT	OUT	Integer	YES

Example :

```
{  
  "RESULT": "1",  
  "err_code": 0,  
  "err_msg": ""  
}
```

Process :

- jika mnumber,password dan deviceId sesuai, RESULT = 1

- jika tidak, RESULT = -1 dengan err\_msg

## 4. Get Admin Configuration (Change)

Request

Related Database Table : business\_parameter

Parameter	Parameter Direction	Parameter Type	Is Mandatory
rqid	IN	String	YES
Tsk	IN	String	YES
Example : <a href="http://180.250.80.72:12080/mforce-rest/ws/service/rqid=358240056138381&amp;tsk=GAC">http://180.250.80.72:12080/mforce-rest/ws/service/rqid=358240056138381&amp;tsk=GAC</a>			

Response

Parameter	Parameter Direction	Parameter Type	Is Mandatory
Interval	OUT	Integer	YES
Server_host	OUT	String	YES
Server_port	OUT	String	YES
Start_working_hour	OUT	Integer	YES
Stop_working_hour	OUT	Integer	YES
Video_id			
url	OUT	String Array	YES
Video_resolution	OUT	String Array	YES
latency	OUT	String	YES
download	OUT	String	YES
upload	OUT	String	YES

Example :

```
{
  "interval": "600",
  "server_host": "180.250.80.72",
  "server_port": "12080",
  "start_working_hour": "7",
  "stop_working_hour": "16",
  "video_id":
  [
    "AB1280i",
    "XV2rT23",
    "Gr31GN"
  ]
}
```

```

    }
    url:
    [
        "telkomsel.com",
        "telkomsigma.co.id",
        "developer.android.com"
    ]
    video_resolution:
    [
        "240p",
        "720p",
        "1080p"
    ]

    "err_code" = "0",
    "err_msg" = ""
    "download" = http://demodownload.com
    "upload" = "http://demoupload.com"
    "latency" = "http://demo.latency.com"
}

```

## 5. Change Password ( Change )

Request

Related Database Table :security\_user

Parameter	Parameter Direction	Parameter Type	Is Mandatory	Size ( Database)
rqid	IN	String	YES	
Tsk	IN	String	YES	character varying(2)
mnumber	IN	String	YES	charater varying(50)
current_password	IN	String	YES	charater varying(46)
new_password	IN	String	YES	charater varying(46)
renew_password	IN	String	YES	charater varying(46)
Example : <a href="http://180.250.80.72:12080/mforce-rest/ws/service/rqid=358240056138381&amp;tsk=CP&amp;mnumber=08563084294&amp;current_password=sigma123&amp;new_password=sigma456&amp;renew_password=sigma456">http://180.250.80.72:12080/mforce-rest/ws/service/rqid=358240056138381&amp;tsk=CP&amp;mnumber=08563084294&amp;current_password=sigma123&amp;new_password=sigma456&amp;renew_password=sigma456</a>				

Response

Parameter	Parameter Direction	Parameter Type	Is Mandatory
RESULT	OUT	Integer	YES

Example :

```
{
  "RESULT": "1",
  "err_msg": "Insert Success!",
  "err_code": 0
}
```

## 6. Drop Call Cause

Request

Parameter	Parameter Direction	Parameter Type	Is Mandatory	Size ( Database )
rqid	IN	String	YES	
Tsk	IN	String	YES	character varying(3)
batch_id	IN	String	YES	Big Integer
Cause	IN	String	YES	Text
DateTime	IN	String	YES	Date

Example :

[http://180.250.80.72:12080/mforce-rest/ws/service/  
rqid=358240056138381&tsk=DCC&batch\\_id=280&cause=missed\\_call&datetime=2014-12-31+14%3A22%3A26](http://180.250.80.72:12080/mforce-rest/ws/service/rqid=358240056138381&tsk=DCC&batch_id=280&cause=missed_call&datetime=2014-12-31+14%3A22%3A26)

Response

Parameter	Parameter Direction	Parameter Type	Is Mandatory
RESULT	OUT	Integer	YES

Example :

```
{
  "RESULT": "1",
  "err_msg": "Insert Success!",
  "err_code": "0",
}
```



## 7. Youtube Self Test 2

### Request

Parameter	Parameter Direction	Parameter Type	Is Mandatory
rqid	IN	String	YES
batch_id_[n]	IN	Integer	YES
vinitbuff_[n]	IN	Integer	YES
vrebuff_[n]	IN	Integer	YES
tbufftime_[n]	IN	Integer	YES
tbuffevt_[n]	IN	String	YES
vid_[n]	IN	String	YES
vdur_[n]	IN	Integer	YES
vthroughput_[n]	IN	Double	YES
vdefinition_[n]	IN	String	YES
vresolution_[n]	IN	String	YES
datetime_[n]	IN	Date	YES
Example : <a href="http://180.250.80.72:12080/mforce-rest/ws/service/rqid=358240056138381&amp;tsk=YST2&amp;batch_id_1=41167&amp;vinitbuff_1=20&amp;vrebuff_1=3&amp;tbuffevt_1=1&amp;tbufftime_1=4&amp;vid_1=Er2vjUIDUo&amp;vdur_1=27&amp;vthroughput_1=330&amp;vdefinition_1=sd&amp;vresolution_1=240p&amp;datetime_1=2014-12-21+21%3A56%3A13&amp;batch_id_2=41168&amp;vinitbuff_1=20&amp;vrebuff_1=3&amp;tbuffevt_2=1&amp;tbufftime_2=4&amp;vid_2=AjUr342&amp;vdur_2=120&amp;vthroughput_2=300&amp;vdefinition_2=hd&amp;vresolution_2=720p&amp;datetime_1=2014-12-21+21%3A56%3A13&amp;batch_id_3=41169&amp;vinitbuff_1=20&amp;vrebuff_1=3&amp;tbuffevt_3=1&amp;tbufftime_3=5&amp;vid_3=I98NmsdD&amp;vdur_3=27&amp;vthroughput_3=280&amp;vdefinition_3=hd&amp;vresolution_3=1080p&amp;datetime_3=2014-12-21+21%3A56%3A13">http://180.250.80.72:12080/mforce-rest/ws/service/rqid=358240056138381&amp;tsk=YST2&amp;batch_id_1=41167&amp;vinitbuff_1=20&amp;vrebuff_1=3&amp;tbuffevt_1=1&amp;tbufftime_1=4&amp;vid_1=Er2vjUIDUo&amp;vdur_1=27&amp;vthroughput_1=330&amp;vdefinition_1=sd&amp;vresolution_1=240p&amp;datetime_1=2014-12-21+21%3A56%3A13&amp;batch_id_2=41168&amp;vinitbuff_1=20&amp;vrebuff_1=3&amp;tbuffevt_2=1&amp;tbufftime_2=4&amp;vid_2=AjUr342&amp;vdur_2=120&amp;vthroughput_2=300&amp;vdefinition_2=hd&amp;vresolution_2=720p&amp;datetime_1=2014-12-21+21%3A56%3A13&amp;batch_id_3=41169&amp;vinitbuff_1=20&amp;vrebuff_1=3&amp;tbuffevt_3=1&amp;tbufftime_3=5&amp;vid_3=I98NmsdD&amp;vdur_3=27&amp;vthroughput_3=280&amp;vdefinition_3=hd&amp;vresolution_3=1080p&amp;datetime_3=2014-12-21+21%3A56%3A13</a>			

### Response

Parameter	Parameter Direction	Parameter Type	Is Mandatory
RESULT	OUT	Integer	YES
Example : { "RESULT": "1", "err_msg": "Insert Success!", "err_code": "0" }			

## 8. Browser Self Test 2

---

Request

Parameter	Parameter Direction	Parameter Type	Is Mandatory
rqid	IN	String	YES
batch_id_[n]	IN	Integer	YES
lt_[n]	IN	Integer	YES
ls_[n]	IN	Boolean	YES
thp_[n]	IN	Double	YES
url_[n]	IN	String	YES
Datetime_[n]	IN	Double	YES
Example : <a href="http://180.250.80.72:12080/mforce-rest/ws/service/rqid=358240056138381&amp;tsk=BST2&amp;batch_id_1=41165&amp;lt_1=18&amp;ls_1=Success&amp;thp_1=80&amp;url_1=developer.android.com%2Findex.htm&amp;datetime_1=2014-12-21+21%3A50%3A24&amp;batch_id_2=41165&amp;lt_2=38&amp;ls_2=Success&amp;thp_2=85&amp;url_2=developer.android.com%2Findex.htm&amp;datetime_2=2014-12-21+21%3A50%3A24&amp;batch_id_3=41165&amp;lt_3=18&amp;ls_3=Success&amp;thp_3=80&amp;url_3=developer.android.com%2Findex.htm&amp;datetime_3=2014-12-21+21%3A50%3A24">http://180.250.80.72:12080/mforce-rest/ws/service/rqid=358240056138381&amp;tsk=BST2&amp;batch_id_1=41165&amp;lt_1=18&amp;ls_1=Success&amp;thp_1=80&amp;url_1=developer.android.com%2Findex.htm&amp;datetime_1=2014-12-21+21%3A50%3A24&amp;batch_id_2=41165&amp;lt_2=38&amp;ls_2=Success&amp;thp_2=85&amp;url_2=developer.android.com%2Findex.htm&amp;datetime_2=2014-12-21+21%3A50%3A24&amp;batch_id_3=41165&amp;lt_3=18&amp;ls_3=Success&amp;thp_3=80&amp;url_3=developer.android.com%2Findex.htm&amp;datetime_3=2014-12-21+21%3A50%3A24</a>			

Response

Parameter	Parameter Direction	Parameter Type	Is Mandatory
RESULT	OUT	Integer	YES
err_msg	OUT	String	NO
Example : { "RESULT":1, "err_msg":"Insert Success!", "err_code":"0" }			

## 9. Logout ( Change )

---

Request

Parameter	Parameter Direction	Parameter Type	Is Mandatory
rqid	IN	String	YES

Tsk	IN	String	YES
mnumber	IN	String	YES
Example : <a href="http://180.250.80.72:12080/mforce-rest/ws/service/rqid=358240056138381&amp;tsk=LOGOUT&amp;mnumber=08563084294">http://180.250.80.72:12080/mforce-rest/ws/service/rqid=358240056138381&amp;tsk=LOGOUT&amp;mnumber=08563084294</a>			

Response

Parameter	Parameter Direction	Parameter Type	Is Mandatory
RESULT	OUT	Integer	YES
Example : { "RESULT": "1" "err_msg": "", "err_code": "0", }			

## 10.Speed Test Latency( New )

Request

Parameter	Parameter Direction	Parameter Type	Is Mandatory
rqid	IN	String	YES
Tsk	IN	String	YES
Latency	IN	Integer	YES
Datetime	IN	Timestamp Without timezone	YES
Example : <a href="http://180.250.80.72:12080/mforce-rest/ws/service/rqid=358240056138381&amp;tsk=STL&amp;batch_id=4827&amp;latency=28&amp;datetime=2014-12-21+21%3A50%3A24">http://180.250.80.72:12080/mforce-rest/ws/service/rqid=358240056138381&amp;tsk=STL&amp;batch_id=4827&amp;latency=28&amp;datetime=2014-12-21+21%3A50%3A24</a>			

Response

Parameter	Parameter Direction	Parameter Type	Is Mandatory
RESULT	OUT	Integer	YES
Example : { "RESULT": "1" "err_msg": "", }			

```
"err_code:0"  
}
```

## 11.Speed Test Download( New )

---

Request

Parameter	Parameter Direction	Parameter Type	Is Mandatory
rqid	IN	String	YES
Tsk	IN	String	YES
Download	IN	Double	YES
Datetime	IN	Timestamp Without timezone	YES
Example : <a href="http://180.250.80.72:12080/mforce-rest/ws/service/rqid=358240056138381&amp;tsk=STD&amp;batch_id=4827&amp;download=152.9&amp;datetime=2014-12-21+21%3A50%3A24">http://180.250.80.72:12080/mforce-rest/ws/service/rqid=358240056138381&amp;tsk=STD&amp;batch_id=4827&amp;download=152.9&amp;datetime=2014-12-21+21%3A50%3A24</a>			

Response

Parameter	Parameter Direction	Parameter Type	Is Mandatory
RESULT	OUT	Integer	YES
Example : { "RESULT": "1" "err_msg": "", "err_code": 0 }			

## 12.Activate Account ( Change From Register )

---

Request

Parameter	Parameter Direction	Parameter Type	Is Mandatory
rqid	IN	String	YES
Tsk	IN	String	YES
mnumber	IN	String	YES

Password	IN	String	YES
Repassword	IN	String	YES
deviceId	IN	String	YES
Realname	IN	String	YES
datetime	IN	String	YES
Example : <a href="http://180.250.80.72:12080/mforce-rest/ws/service/rqid=081219899735&amp;tsk=ACTACC&amp;mnumber=08563084294&amp;password=n3Xus123@&amp;repassword=n3Xus123@&amp;deviceId=358240056138381&amp;realname=Nexus&amp;datetime=2014-12-21+21%3A50%3A24">http://180.250.80.72:12080/mforce-rest/ws/service/rqid=081219899735&amp;tsk=ACTACC&amp;mnumber=08563084294&amp;password=n3Xus123@&amp;repassword=n3Xus123@&amp;deviceId=358240056138381&amp;realname=Nexus&amp;datetime=2014-12-21+21%3A50%3A24</a>			

#### Response

Parameter	Parameter Direction	Parameter Type	Is Mandatory
RESULT	OUT	Integer	YES
Example : <pre>{   "RESULT": "1"   "err_msg": "",   "err_code": "0", }</pre> Process : set flag 1 dari user dalam table user_predefined kemudian insert row dari ke table user_sec			

## 13.Video View Self Test ( New )

#### Request

Parameter	Parameter Direction	Parameter Type	Is Mandatory
rqid	IN	String	YES
tsk	IN	String	YES
size	IN	Integer	YES
batch_id_[n]	IN	Integer	YES
vurl_[n]	IN	String	YES
vinitbuff_[n]	IN	Integer	YES
vrebuff_[n]	IN	Integer	YES
tbufftime_[n]	IN	Integer	YES
tbuffevt_[n]	IN	String	YES
vdur_[n]	IN	Integer	YES
vthroughput_[n]	IN	Double	YES
vresolution_[n]	IN	String	YES
datetime_[n]	IN	Date	YES
Example : <a href="http://180.250.80.72:12080/mforce-">http://180.250.80.72:12080/mforce-</a>			

[rest/ws/service/rqid=358240056138381&tsk=VVST2&size=3&batch\\_id\\_1=41167&vurl\\_1=http:%2F%2Ftechslides.com%2Fdemos%2Fsample-videos%2Fsmall.mp4&vinitbuff\\_1=20&vrebuff\\_1=3&tbuffevt\\_1=1&tbufftime\\_1=4&vdur\\_1=27&vthroughput\\_1=330&vresolution\\_1=240p&datetime\\_1=2014-12-21+21%3A56%3A13&batch\\_id\\_2=41168&vurl\\_2=http:%2F%2Ftechslides.com%2Fdemos%2Fsample-videos%2Fsmall.mp4&vinitbuff\\_1=20&vrebuff\\_1=3&tbuffevt\\_2=1&tbufftime\\_2=4&vid\\_2=AjUr342&vdur\\_2=120&vthroughput\\_2=300&vdefinition\\_2=hd&vresolution\\_2=720p&datetime\\_1=2014-12-21+21%3A56%3A13&batch\\_id\\_3=41169&vinitbuff\\_1=20&vrebuff\\_1=3&tbuffevt\\_3=1&tbufftime\\_3=5&vid\\_3=I98NmsdD&vdu\\_r\\_3=27&vthroughput\\_3=280&vresolution\\_3=1080p&datetime\\_3=2014-12-21+21%3A56%3A13](http://rest/ws/service/rqid=358240056138381&tsk=VVST2&size=3&batch_id_1=41167&vurl_1=http:%2F%2Ftechslides.com%2Fdemos%2Fsample-videos%2Fsmall.mp4&vinitbuff_1=20&vrebuff_1=3&tbuffevt_1=1&tbufftime_1=4&vdur_1=27&vthroughput_1=330&vresolution_1=240p&datetime_1=2014-12-21+21%3A56%3A13&batch_id_2=41168&vurl_2=http:%2F%2Ftechslides.com%2Fdemos%2Fsample-videos%2Fsmall.mp4&vinitbuff_1=20&vrebuff_1=3&tbuffevt_2=1&tbufftime_2=4&vid_2=AjUr342&vdur_2=120&vthroughput_2=300&vdefinition_2=hd&vresolution_2=720p&datetime_1=2014-12-21+21%3A56%3A13&batch_id_3=41169&vinitbuff_1=20&vrebuff_1=3&tbuffevt_3=1&tbufftime_3=5&vid_3=I98NmsdD&vdu_r_3=27&vthroughput_3=280&vresolution_3=1080p&datetime_3=2014-12-21+21%3A56%3A13)

#### Response

Parameter	Parameter Direction	Parameter Type	Is Mandatory
RESULT	OUT	Integer	YES
Example : <pre>{   "RESULT": "1",   "err_msg": "Insert Success!",   "err_code": "0", }</pre>			