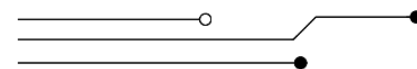
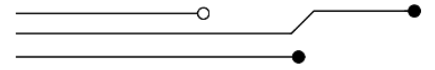


Table of Contents:

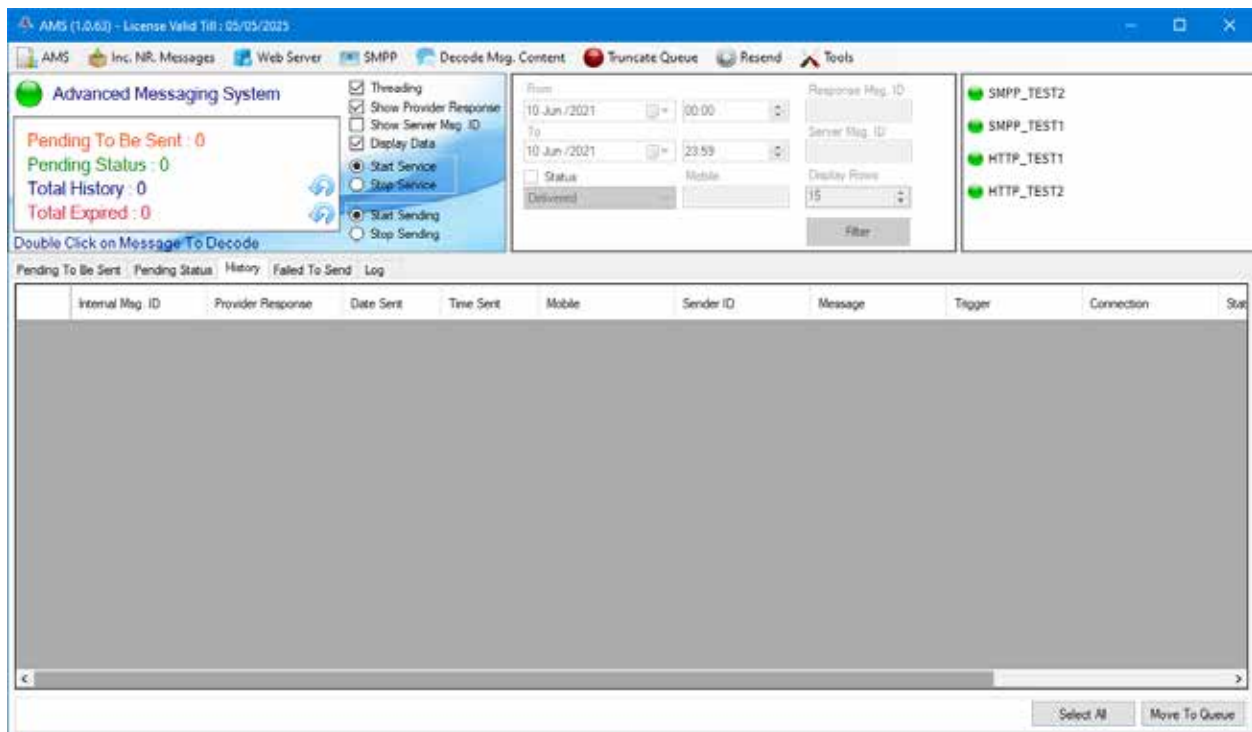
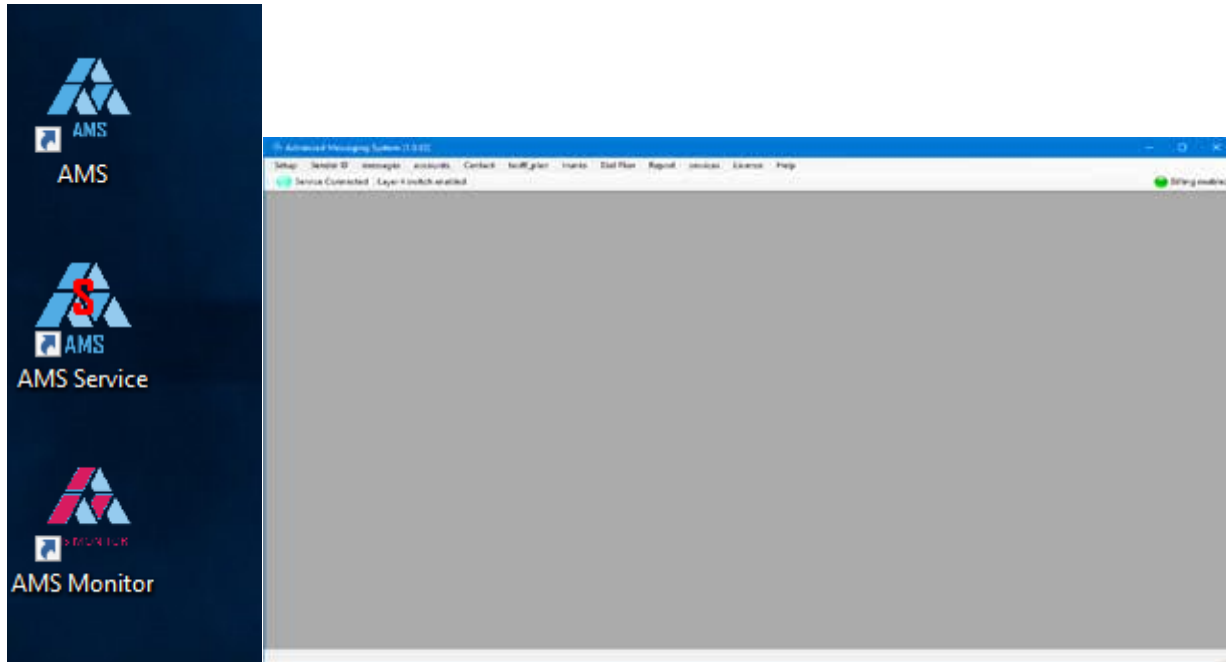
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AMS Decode Messages Content

PRESS START TO DECODE MESSAGE CONTENT

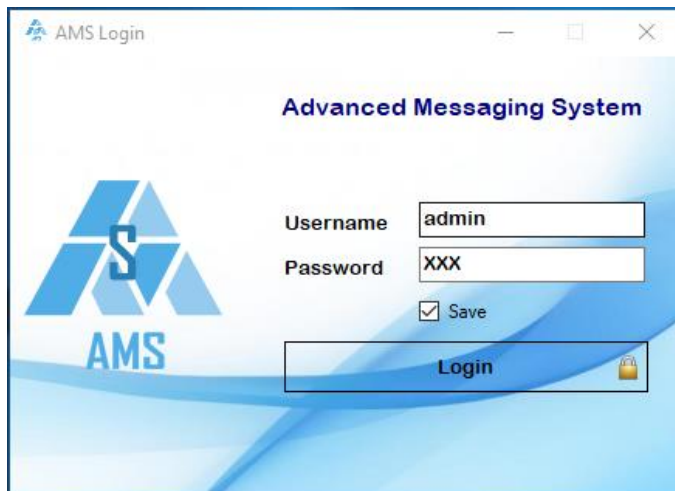
From: 12 Aug./2020 00:00

To: 12 Aug./2020 23:59

☐ Auto update every (Minutes) 1

START NOW

- Implementing Secure Login:



AMS Login

Advanced Messaging System



Username: admin

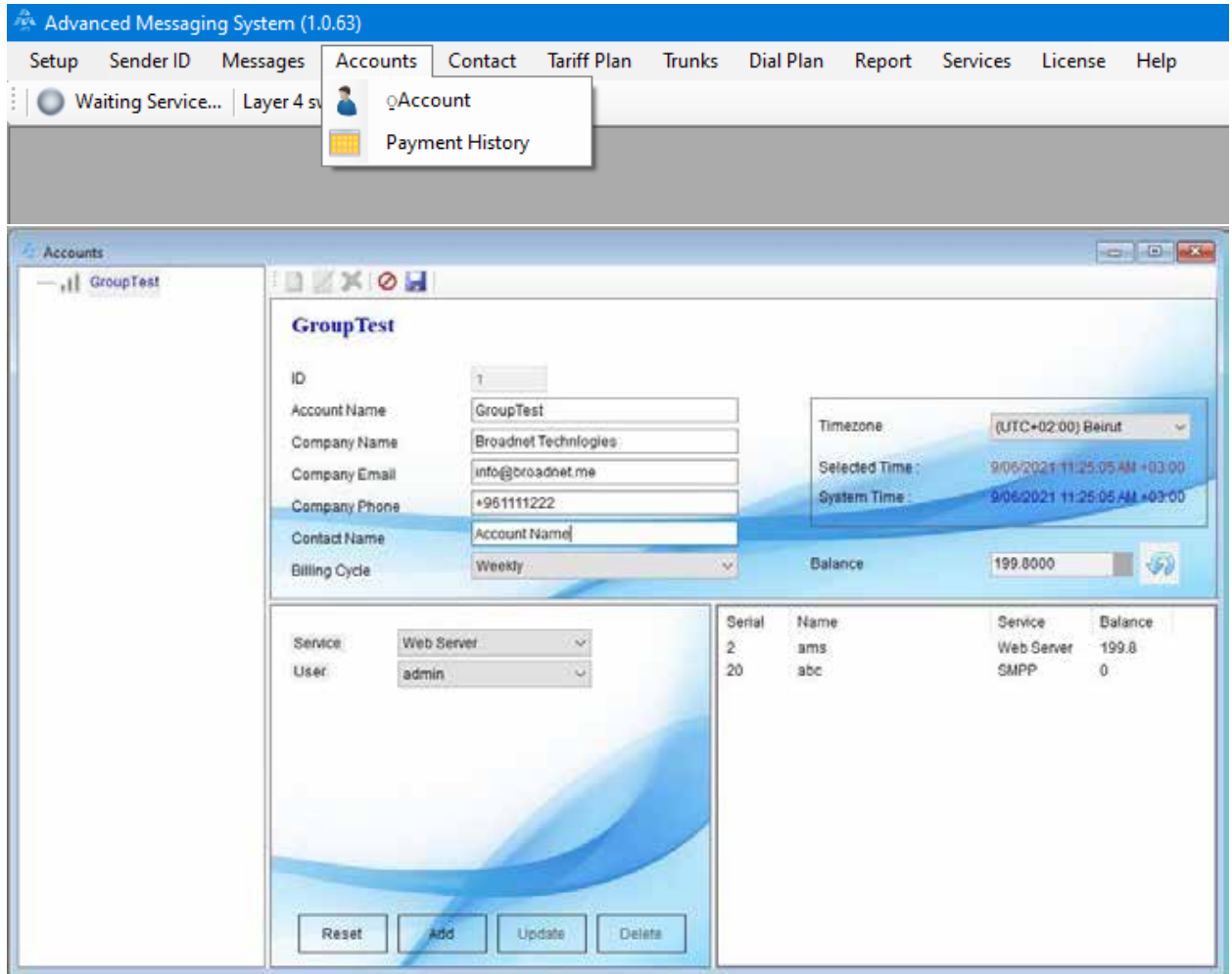
Password: XXX

☒ Save

Login

- Create Company Management Account

-List Multi accounts under an Account Group



The screenshot shows the 'Advanced Messaging System (1.0.63)' interface. The 'Accounts' menu is open, showing options for 'Account' and 'Payment History'. The 'GroupTest' account details are displayed, including fields for ID, Account Name, Company Name, Company Email, Company Phone, Contact Name, Billing Cycle, Timezone, Selected Time, System Time, Balance, Service, and User. A table at the bottom right lists the account's services and balances.

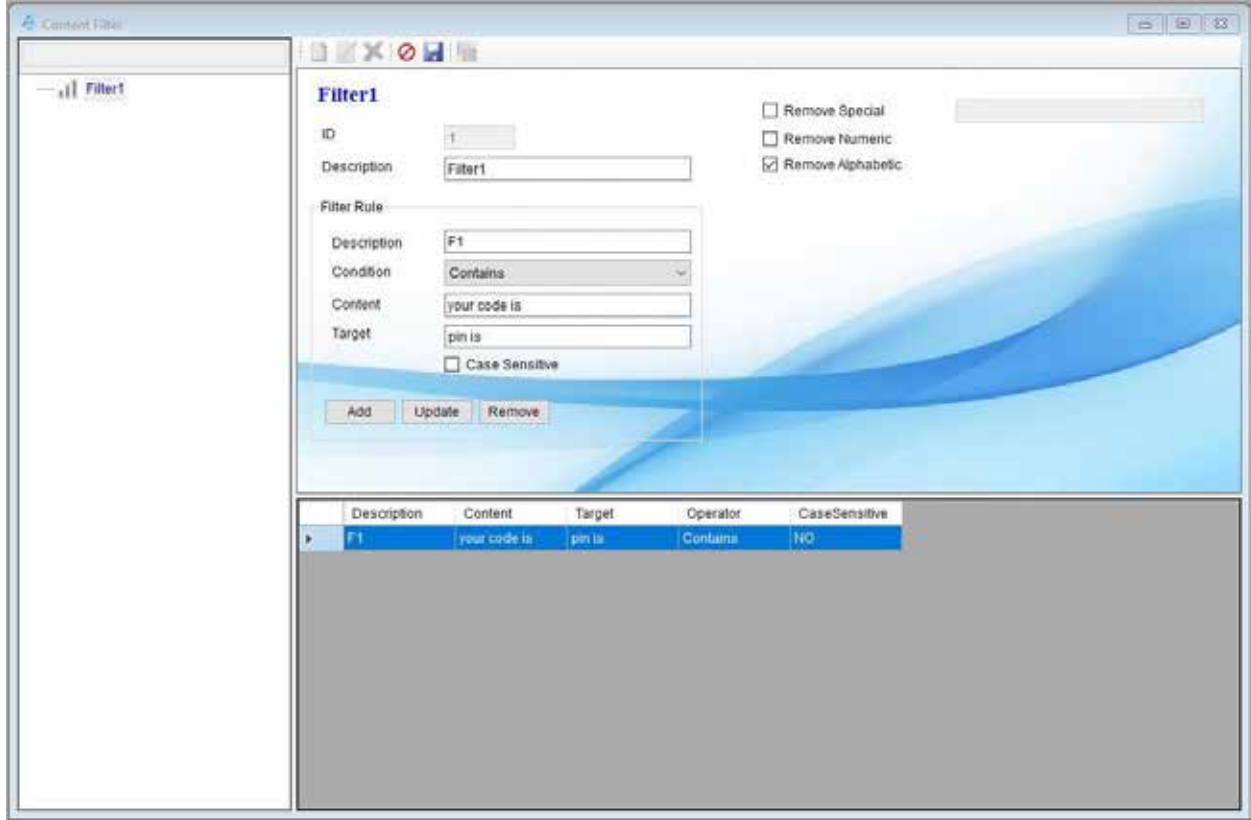
Serial	Name	Service	Balance
2	ams	Web Server	199.8
20	abc	SMPP	0

- Permission Module/User management per each user (Create-Modify-read) rules, Show/Hide connection parameters, & permissions



The screenshot shows the 'AMS Users' management window. It features a sidebar with a user list (currently showing 'admin') and a main content area for editing the selected user. The user 'admin' has ID '1', username 'admin', and password 'XXX'. The 'Enabled' checkbox is checked. Under 'View access permission', 'All' and 'Bulk SMS' are checked. The 'Web Server' list includes 'admin' and 'ams'. The 'SMPP' list includes 'SEdgD', 'SEdgD1', 'abc', 'actionv', 'al', 'ams', 'amsgw1', and 'amsgw5'. The 'Trigger' list includes 'DV2' and 'TR1'. A 'Report' section on the right has checkboxes for 'Show Revenue', 'Show Cost', and 'Show Profit', all of which are unchecked. Below the report section, 'Update, Insert, Delete' and 'Web Login' are checked.

-User Tracking Activity Log



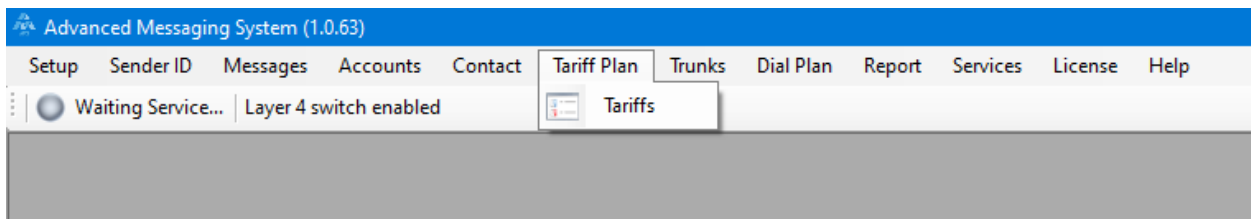
The screenshot shows the 'Content Filter' configuration window. It includes a sidebar with a 'Filter1' icon. The main area is titled 'Filter1' and contains the following fields and options:

- ID:** 1
- Description:** Filter1
- Filter Rule:**
 - Description:** F1
 - Condition:** Contains
 - Content:** your code is
 - Target:** pin is
 - Case Sensitive:** ☐
- Buttons:** Add, Update, Remove
- Options:**
 - ☐ Remove Special
 - ☐ Remove Numeric
 - ☒ Remove Alphabetic

Below the configuration fields is a table showing the filter rule details:

Description	Content	Target	Operator	CaseSensitive
F1	your code is	pin is	Contains	NO

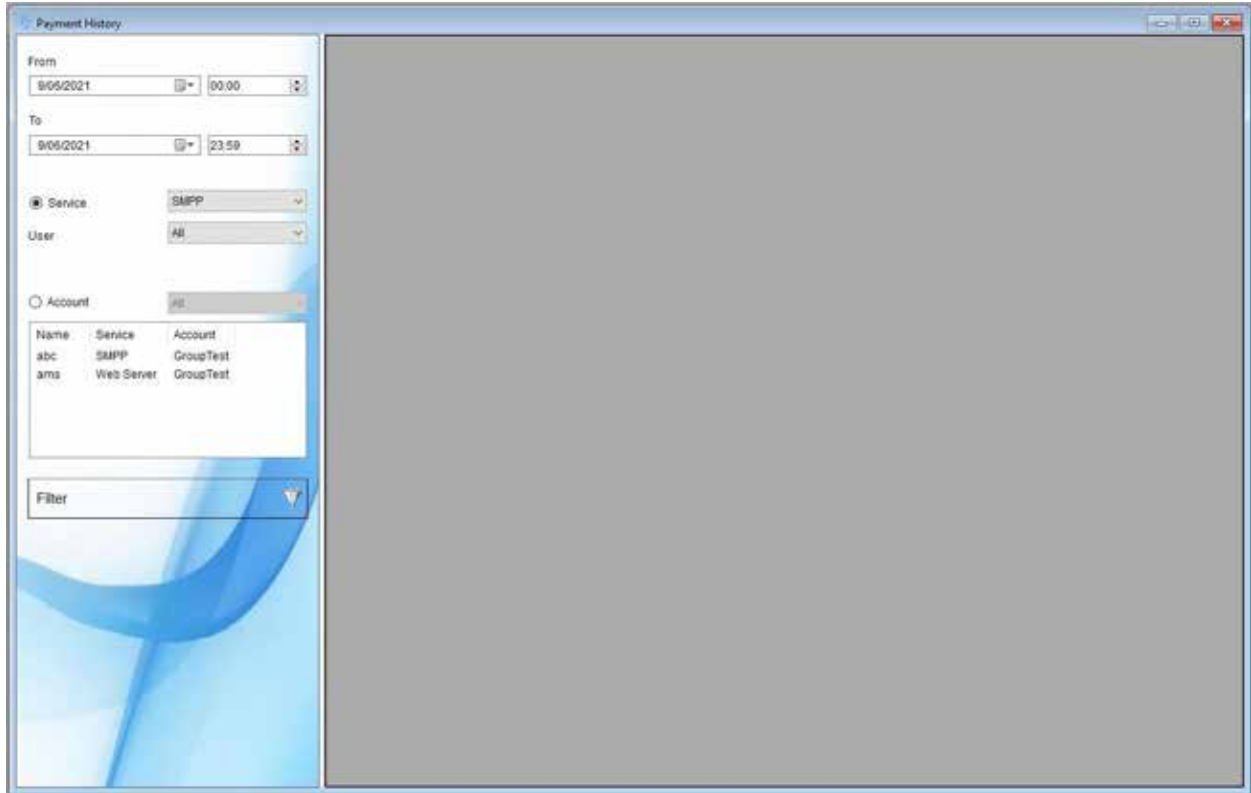
-Tariff Plans



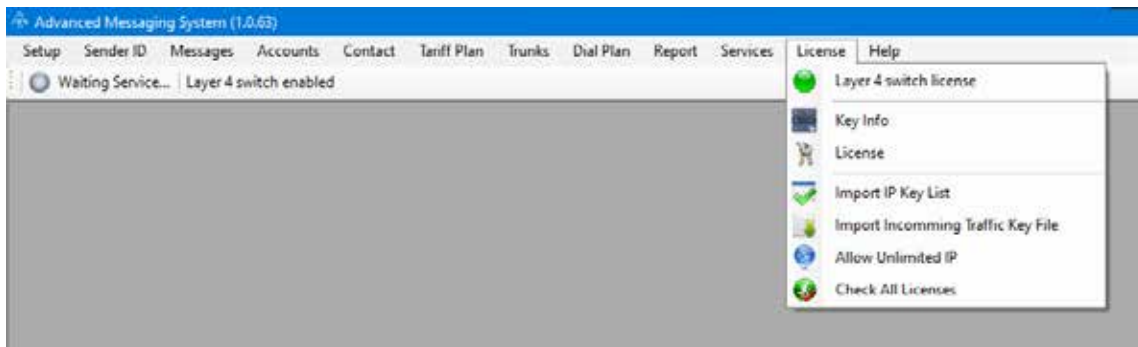
The screenshot shows the main menu of the 'Advanced Messaging System (1.0.63)'. The menu items are: Setup, Sender ID, Messages, Accounts, Contact, Tariff Plan, Trunks, Dial Plan, Report, Services, License, and Help. The 'Tariff Plan' tab is currently selected, and a sub-menu is visible with the option 'Tariffs'. Below the menu, there is a status bar showing 'Waiting Service...' and 'Layer 4 switch enabled'.

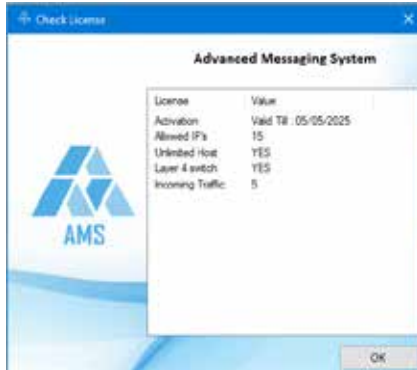
Country	Operators	Prefix	MCC	MNC	Rate	RateM
Sweden	Sweden - 42 Telecom AB	4671	240	35-16	0.3	-1
Sweden	Sweden - NCC	467	240	39	0.2	-1
Sweden	Sweden - Bee	4	240	26	0.1	-1

-Payments

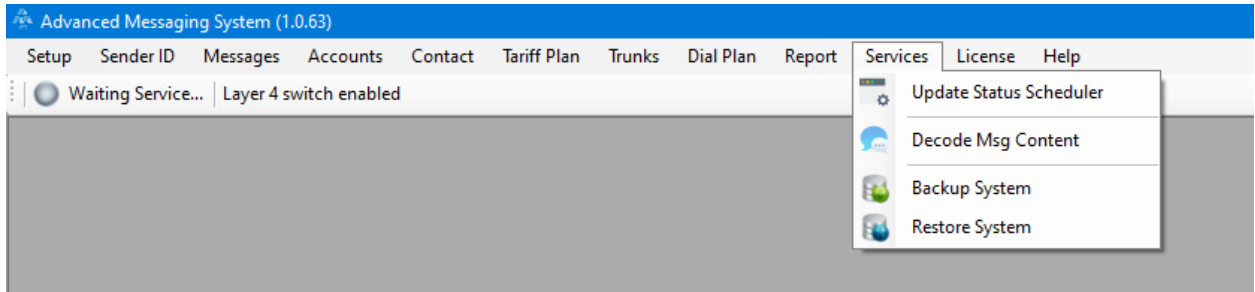


- Has its own encrypted database and secure communication between the interface and its own database.
- Multi Licensing Keys based on purchased module





- Backup/restore System Features.

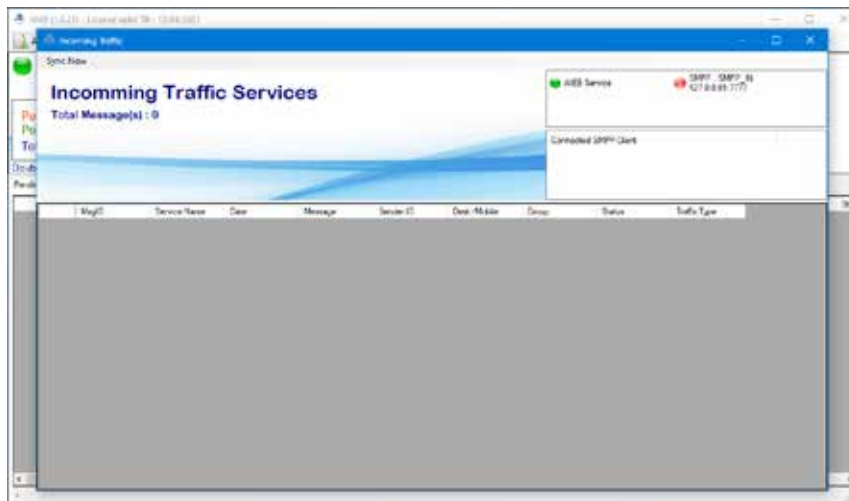
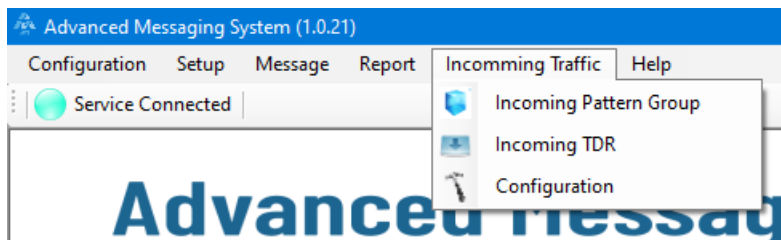


- Internal Contacts /Groups address book with full management module.

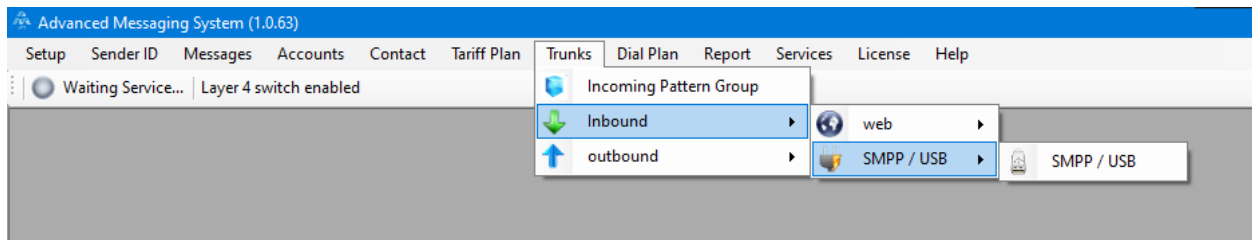


- Support of all SMS features and protocols

- Two-way SMS



- **SMS formats**, supports a wide range of SMS formats including 7bit ASCII, 8bit binary, User Data Header SMS (UDH - for operator logos, picture messages, ringing tones, WAP OTA settings, vCAL entries, WAP bookmarks, etc.) and Unicode SMS
- **Support for long SMS, Support of segmentation and re-assembly of long SMS**
- **Delivery Report, Tracking of SMS and long SMS messages**
- **Standalone SMPP /SMPPS server with various port.**



Import License Test Configuration

smpp1 (SMPP Port = 981) Enabled

Description: Routing Table (Default): Enable Log

Traffic type:

Block: IP Address: ☒ Auto Reconnect

System Type: Port: ☐ Use SSL

Add_TCN: Add_IP:

System ID: Password:

Routing Table: + -

☒ Tariff Group: + -

Calculate Cost: ☒ Reverse ☐ Replace URL by short URL
 Shorter regular url on short url

☒ Enabled ☐ Allow multiple connection

System Currency: USD

TPS:

Manage Payment Release SMPP Users

Reset Add Update Delete

SystemID	Password	Tariff	Routing	Balance	Enabled	ShortConn
abc	abc	SMS-Default	Default	0	YES	NO
ef	ef	Free-Default	Default	0	YES	NO
10	10	Free-Default	Default	0	YES	NO

- Support SMPP/SMPPS client trunk

Connection Group Enabled

ID: Silent Time

Name:

Description:

Note:

Connectors: + -

ID	Connection
15	SMPP_TEST1
10	HTTP_TEST1

-Incoming Smpp Monitor



-Silent Time by Connection Group

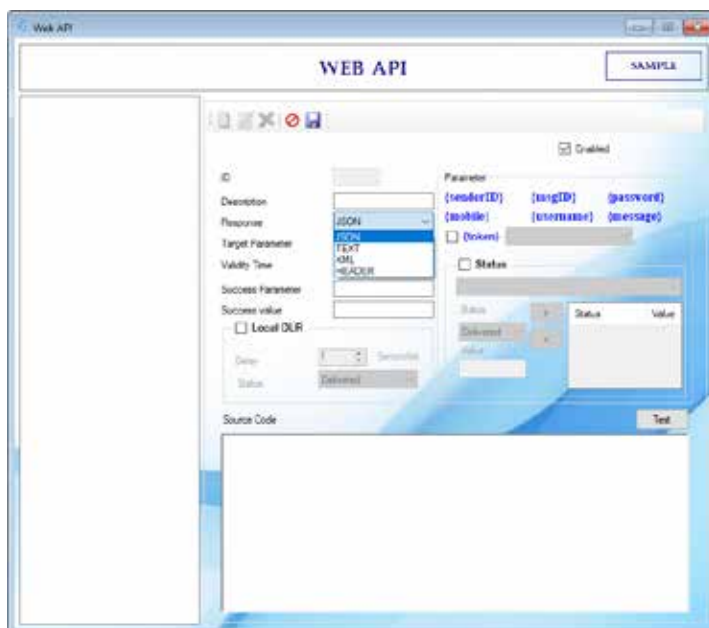
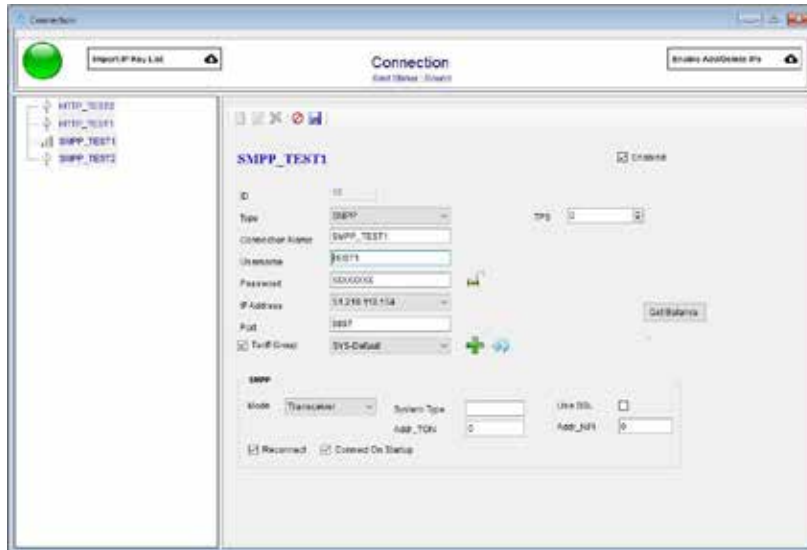


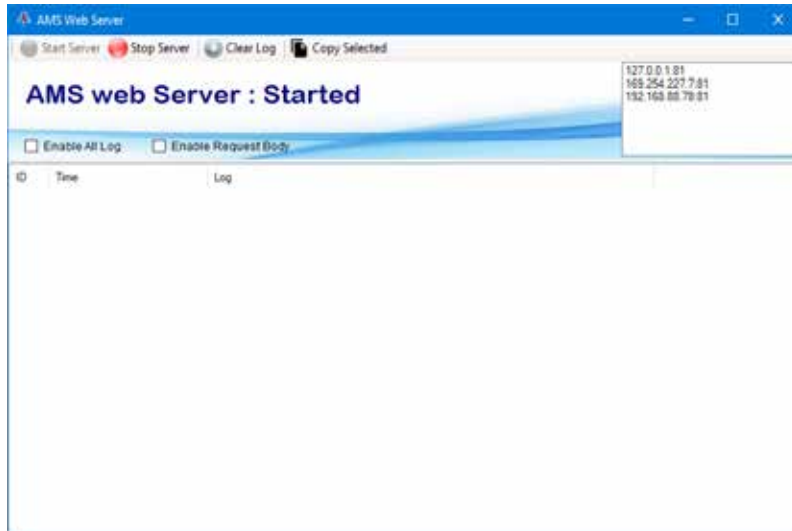
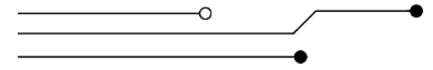
- Support GSM hardware USB dongles for incoming SMS's through local sim
- Support Web listener for incoming SMS's through vendor API

- Standalone Web Server/Secured web services (HTTP,SOAP,XML,JSON)

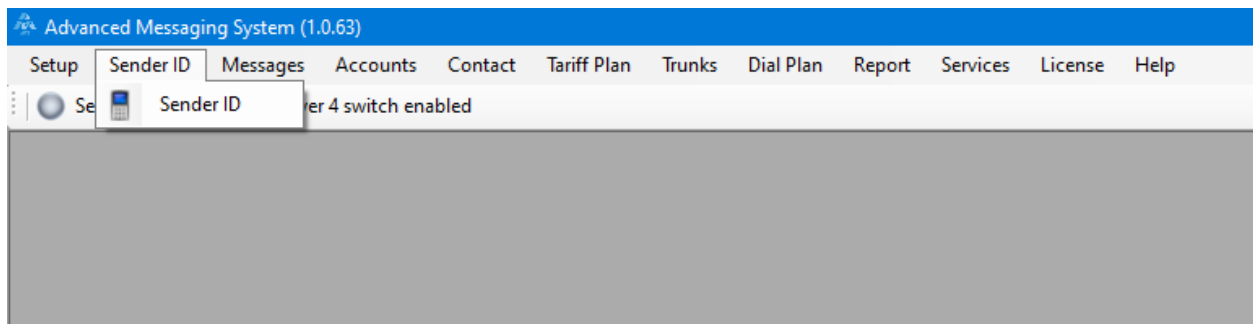


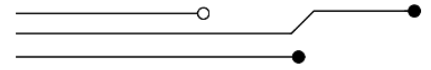
- Support Http to SMPP/SMPP's service routing
 - Support SMPP/SMPPS to HTTP/HTTPS service routing
- Ende



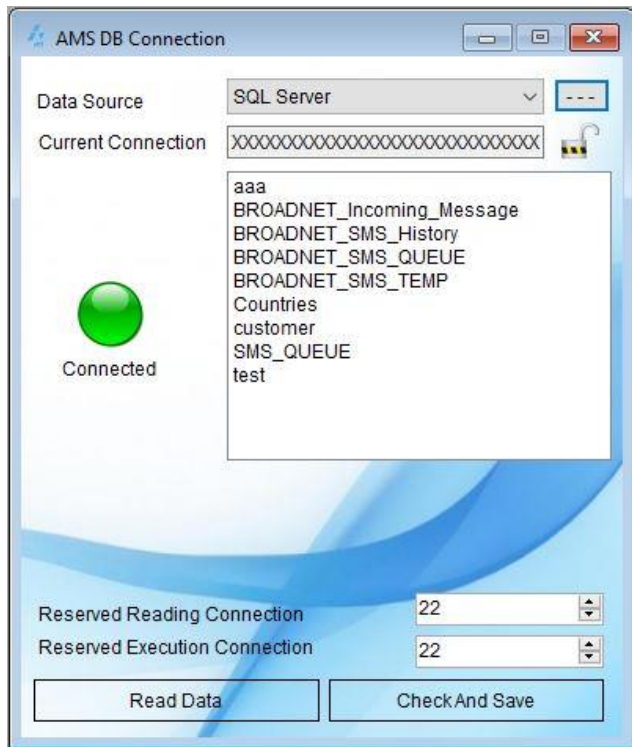


-Multi sender ID creation section



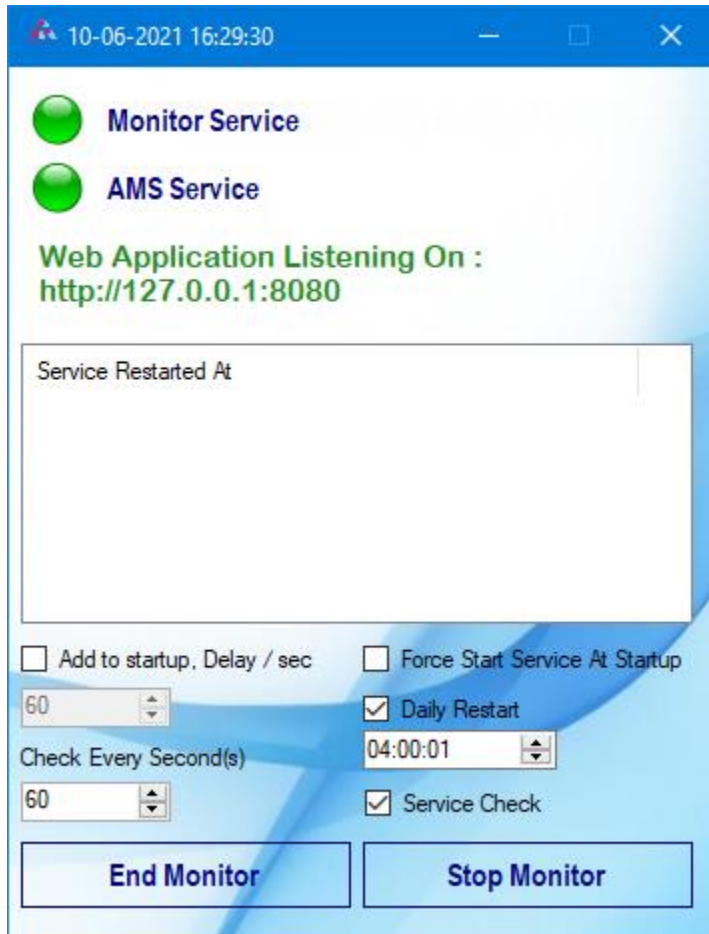


-Support multi Database read Write integration (Oracle.MSSql, Mysql, Sql lite, MS Access, Excel, ODBC-Mysql, ODBC-Mysql, ODBC- ODBC-Sql lite, ODBC-MS Access, ODBC-Excel)



-Easy to install, System auto create, update database tables.

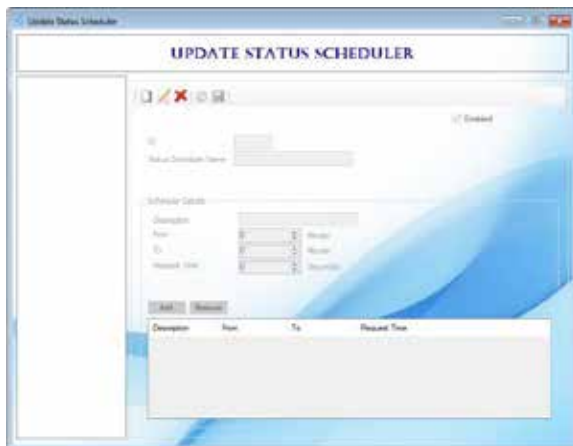
-Monitoring service check (standalone application) to monitor, restart and report if AMS face a hitch.

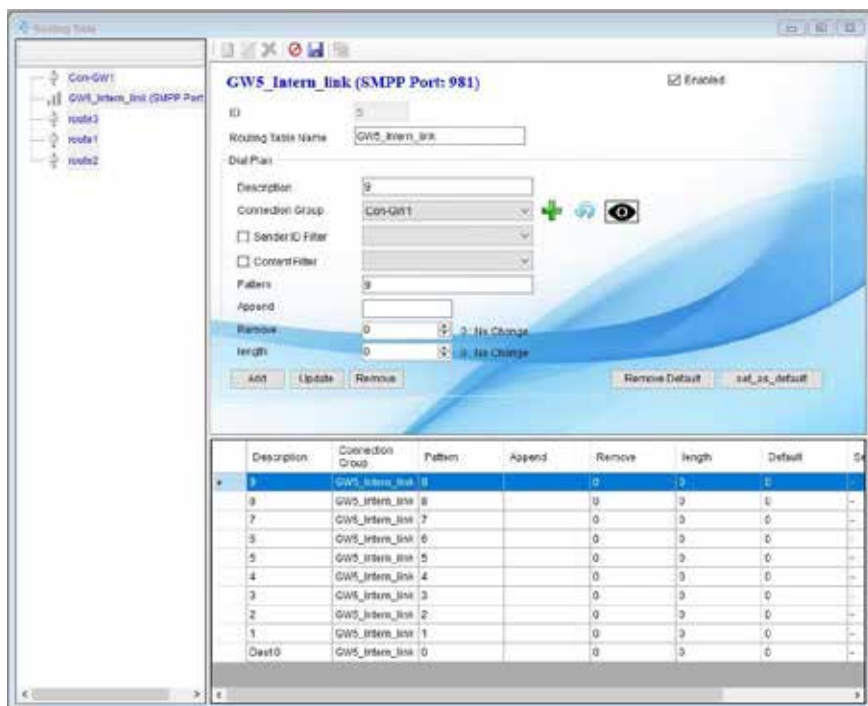
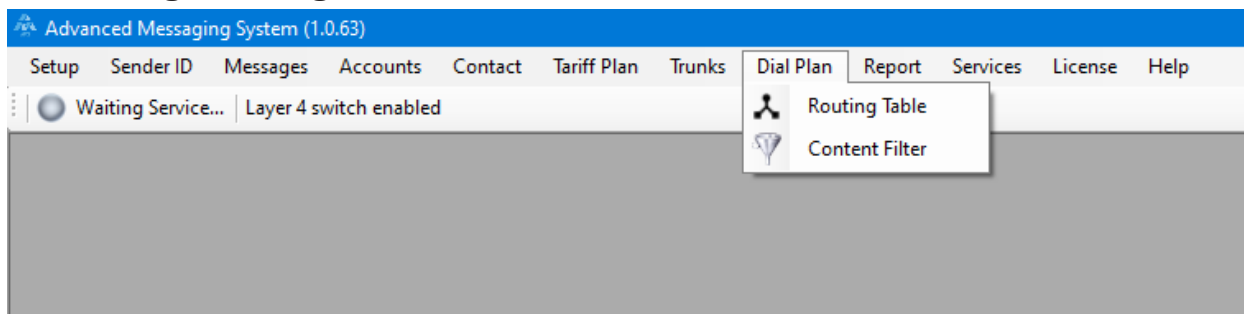


-Real-time Pending, Queue, History records and statistics

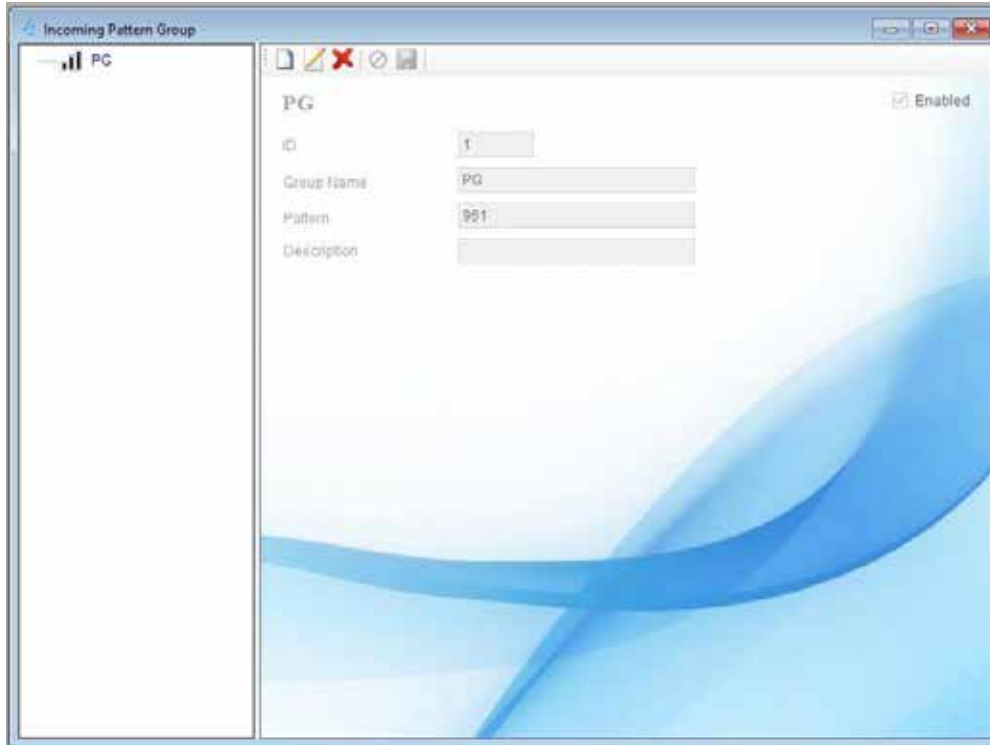
-Truncate Message Queue option

- System Tray App, Multi Treading, run in background service
- Auto Startup option on windows boot.
- Real-time database monitoring
- Raw data local store when database error show up
- Logger module, (NB: AMD Don't Log Sensitive Data)
- Connection Group Creation
- Multi connection add to one group
- Connection Redundancy Plans
- SMS delivery report Update Status Plan





-Incoming Pattern Rules for Non Routable Messages



The screenshot shows the 'Incoming Pattern Group' configuration window. On the left is a tree view with 'PG' selected. The main area contains the following fields:

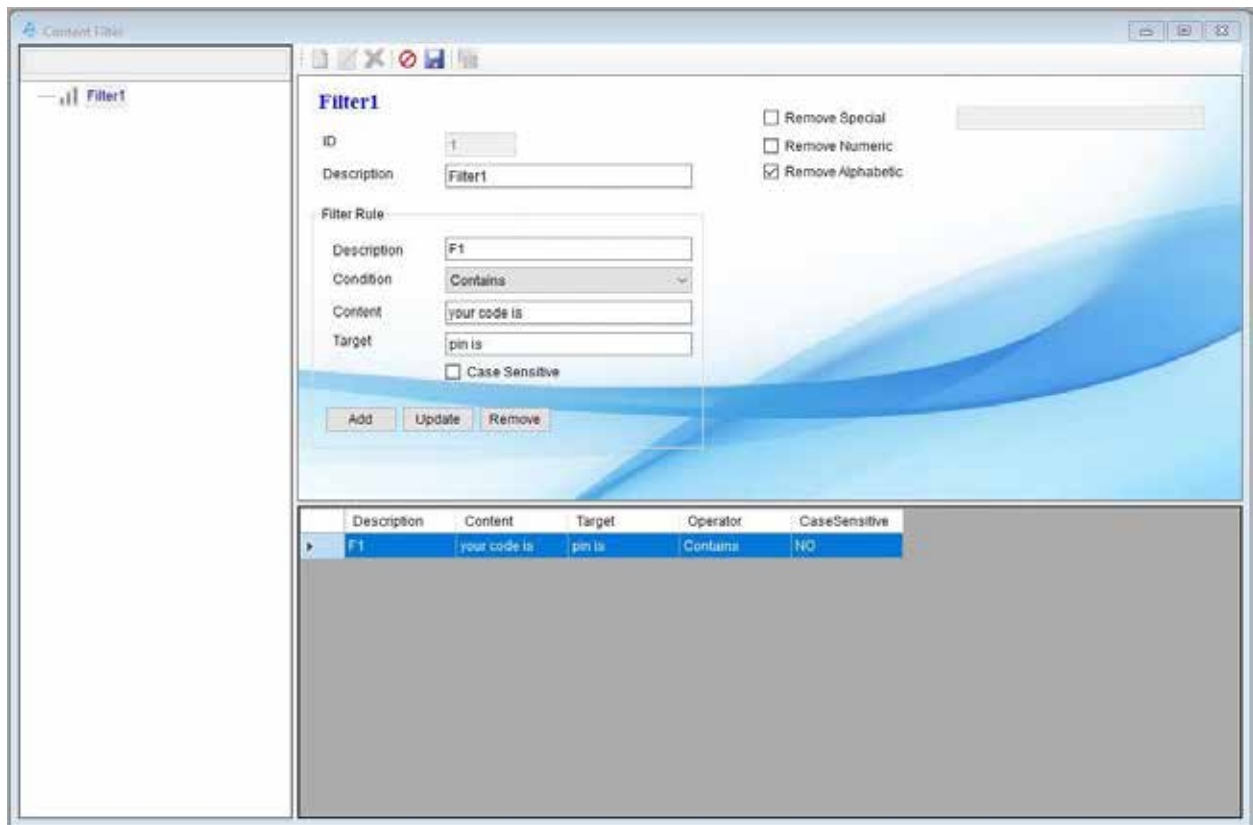
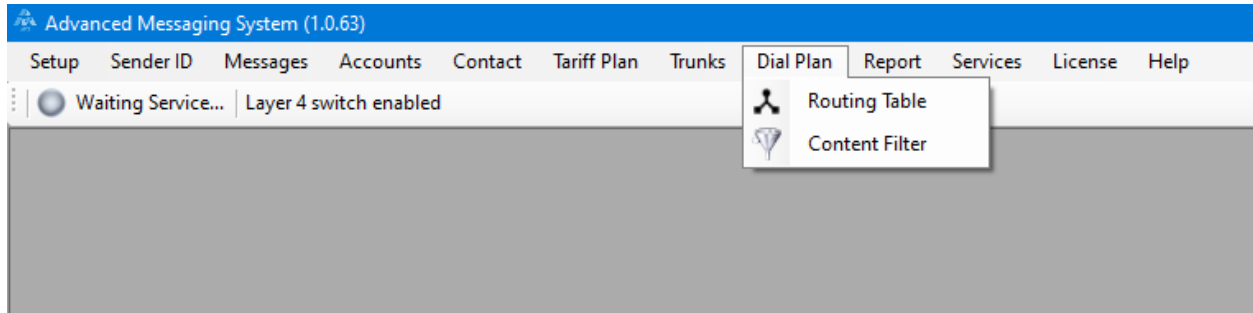
- PG** (Group Name): PG
- ID**: 1
- Pattern**: 991
- Description**: (empty)
- Enabled**: ☒



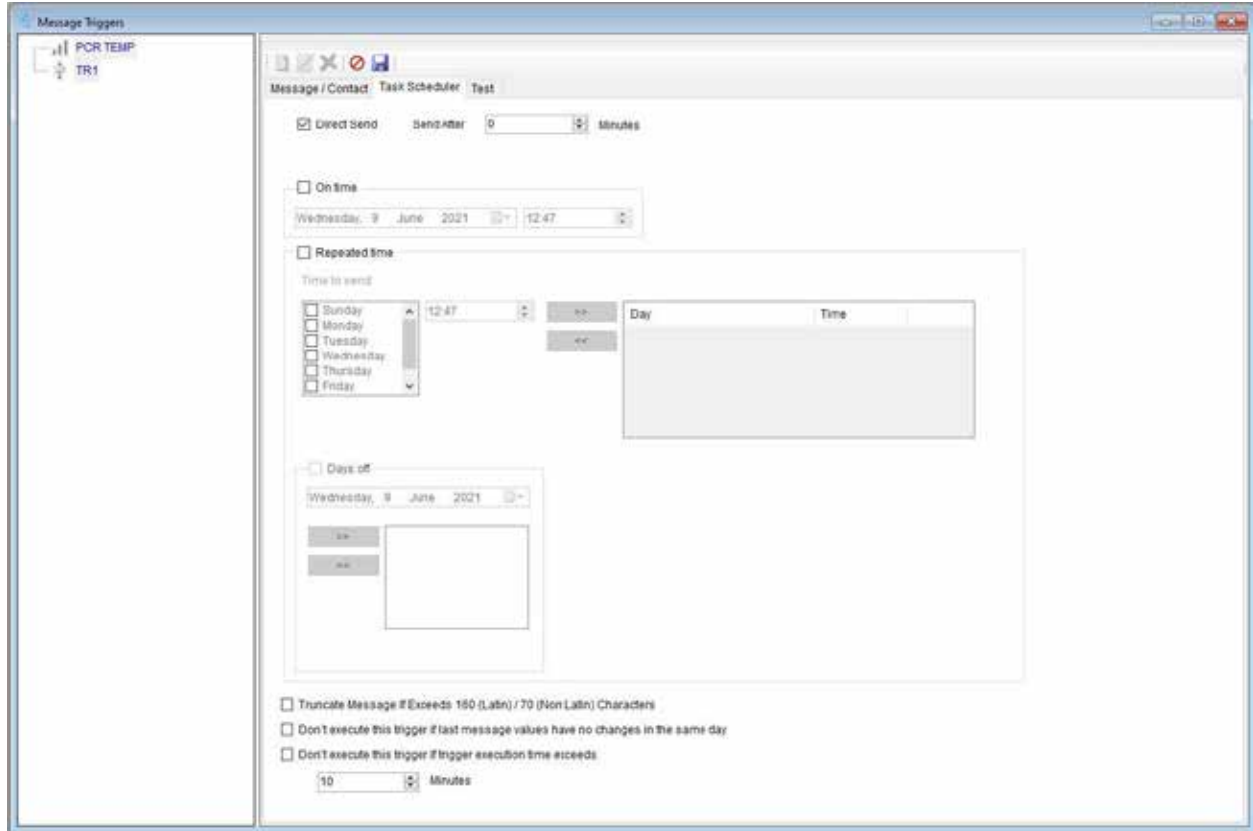
The screenshot shows the 'Incoming Non Routable Messages' window. It includes a 'Sync Now' button and a 'Total Message(s) : 0' indicator. Below is a 'Service' dropdown menu set to 'All' and a 'Filter' button. The main area is a table with the following columns:

MsgID	Service Name	Date	Message	Sender ID	Dest./Mobile	Group	Status	TrafficType

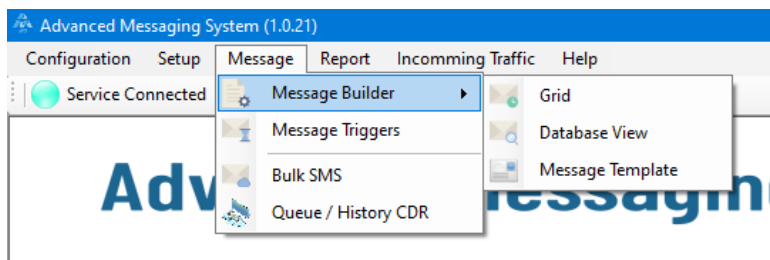
-Message Content Filter Adjustment



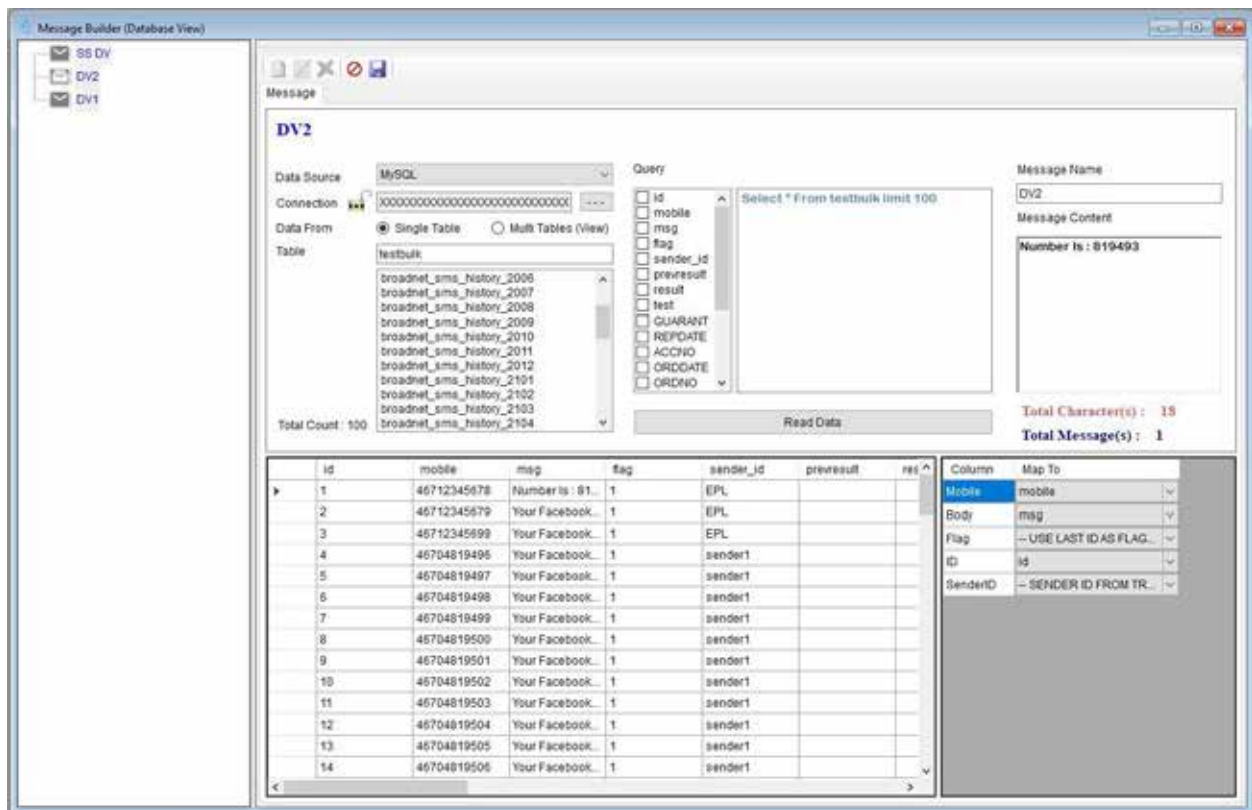
-Schedule module can be applied to all triggers and Request Status



-Message Builder using all database connections



-Message Builder Data View



-Message Builder Data Grid

The screenshot displays the 'Message Builder (Grid)' application window. The main area is titled 'Support-MSG'. It features several configuration sections:

- Message Name:** Support-MSG
- Database:** SQL Light
- Data Source:** XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
- Connection:** XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
- Table:** SupportMsg
- Tables List:** BROADNET_incoming_Message, BROADNET_SMS_History, BROADNET_SMS_QUEUE
- Query:** Select * From SupportMsg
- Separator Between:** Space
- Values:** Space
- Rows:** Enter
- Message Header:** Dear BroadNet Support.
- Message Body:** A table with 5 rows and 4 columns: ID, MSG, Currency, Price. The rows are: 1 (System : BFEB...), 2 (USD Currency, USD, 1), 3 (EUR Currency, EUR, 1.2), 4 (AED Currency, AED, 0.95), 5 (GBP Currency, GBP, 1.36).
- Message Footer:** AMS
- Message Content:** Dear BroadNet Support, USD Currency USD 1 EUR Currency EUR 1.2 AED Currency AED 0.95 AMS
- Statistics:** Total Character(s) : 57, Total Message(s) : 1
- Language:** LTR

-Message Template

- Support File Image
- Support Database Image
- Support Hyper Link
- Support Geo-location
- Support QR generator

Message Template

PCR Template

Message Name: PCR Template

Database View: Div2

Query: Select * from testbulk limit 100

Mapped Columns

Column Name	id
lat	latitude
long	longitude
num	mobile
name	pathname
acc	ACCNO
mnr	MNR

Double Click On Mapped Alias To Insert Into Message Preview.

Attach PDF Link

File: pbinDebuotemplate21060912246190.rtf

Image From File

Image From DB (Base 64)

Password: ACCNO

Column Name: id

Param To Replace

Link

Label: Press here

URL: <https://www.google.com/maps/@21.01, 11.52>

QR Code

Parameter	Column
[name]	pathname
[mobile]	mobile
[result]	result

Generate QR

Message Preview

Dear Customer,
Your Account Number: {acc}
For more information press on the below link:
\${link}\$

Total Character(s): 99
Total Message(s): 1

1- Hyperlink will be replaced by [LINK]
2- Image will be replaced by [IMG]
3- Image picture from DB will be replaced by [DBIMG]
4- QR Code will be replaced by [QR]
5- Use [DBACC] parameter into message preview to be replaced by generated link.

NB: All Parameters are case sensitive

QR Code Dynamic Design generator

Generate QR Code

Note: Double click on QR to display full size

Content

Medical center
Order Number: [acc]
MRN: [mnr]
Name: [name]
DOB: 14/08/1986
Gender: M
Test Name: COVID-19 PCR
SPECIMEN NATURE: Nasopharyngeal swab
INTERPRETATION: RT-PCR test for COVID-19 is NEGATIVE.
Result Date: 07/10/2020 7:51:25 PM

Parameters

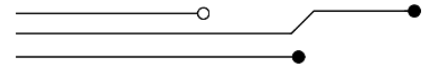
lat
long
num
name
acc
mnr

1- Double click on parameter to add

Width: 200

Height: 200

Export Generate Close Save



-Generate PDF from RTF file & query variables

AMS TEST

Dear [name],
Mobile Number: [mobile]
Your PCR Result Is: [result]
Scan the below QR Code view details:
[QR]
Visit our location on map:
[LNK]
Thanks for using AMS System.
[DBIMG]
Regards,

AMS TEST

Dear ,

Mobile Number: 46704820518

Your PCR Result Is: Negative

Scan the below QR Code view details:

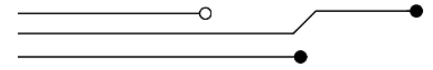


Visit our location on map:

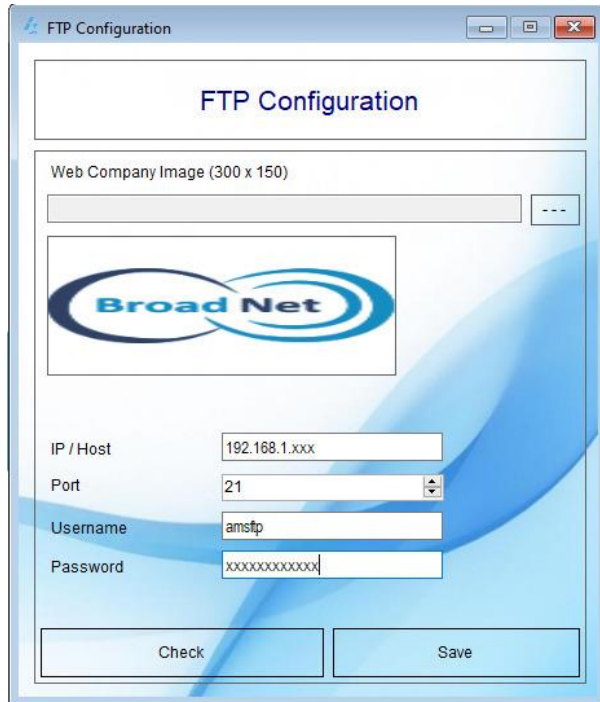
[Press here](#)

Thanks for using AMS System.





-FTP configuration



The screenshot shows a window titled "FTP Configuration" with a blue header bar. Below the header, there is a section for "Web Company Image (300 x 150)" which contains a preview of the Broad Net logo. Below this, there are four input fields: "IP / Host" with the value "192.168.1.xxx", "Port" with the value "21", "Username" with the value "amftp", and "Password" with the value "xxxxxxxxxx". At the bottom of the window, there are two buttons: "Check" and "Save".

- Bulk Campaigns

Bulk SMS

Connection Group

☐ Routing Table Con-GW1 + ↺
☒ Connections Group Con-GW1 + ↺
 Connection
 SMPP_test-GW1
 < ————— >
☐ Tariff Group FAKE ▼

Mobile Number

> ▼ 8 ▴▾

☒ Remove Duplicate

Contact Group From Query From Text File Custom Number

☒ ATM
☐ Group1

Full Name	Group		Full Name	Mobile
		>		
		>>		
		<		
		<<		

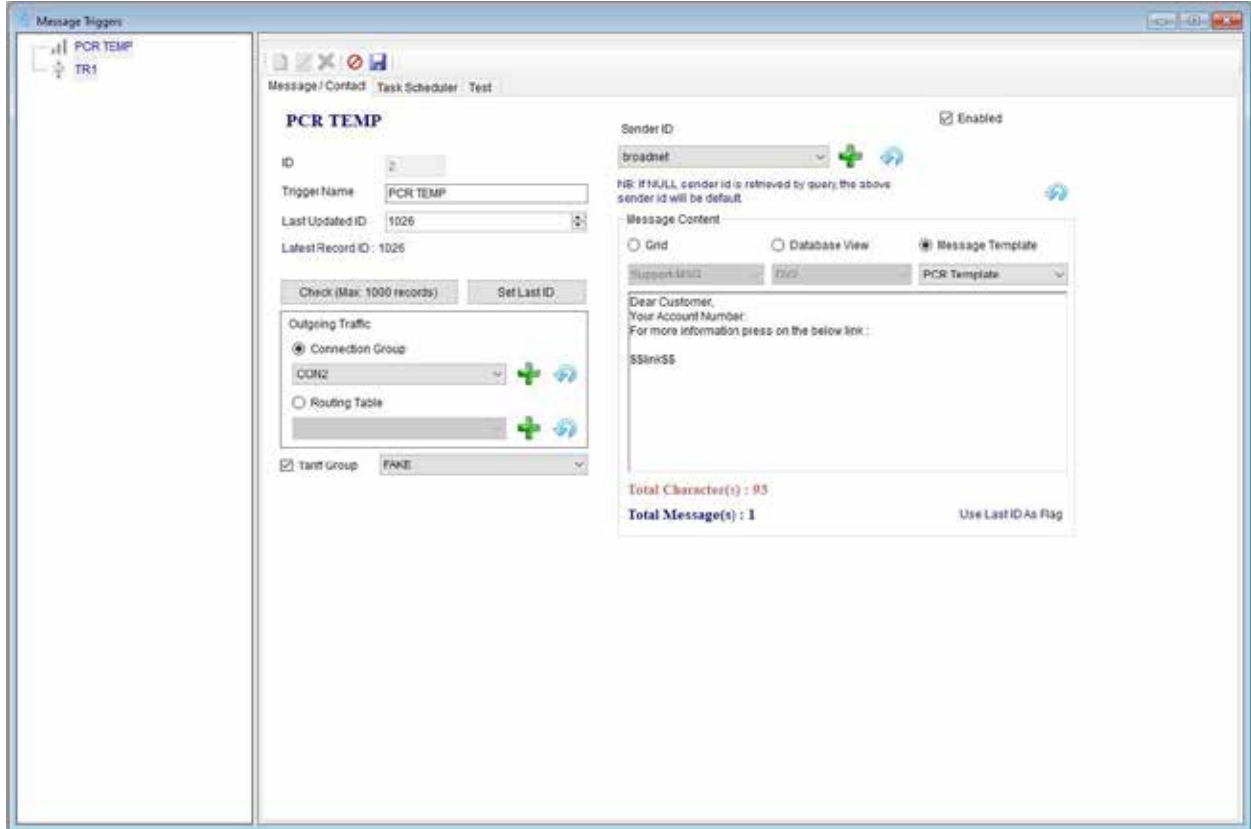
Sender ID

210508 ▼ + ↺

Message Content

Send Now

-Multi Database Integration to select messages numbers, content & message view



The screenshot displays the 'Message Triggers' window in the AMS Manual System. The left sidebar shows a tree view with 'PCR TEMP' and 'TR1'. The main window is titled 'PCR TEMP' and contains the following fields and options:

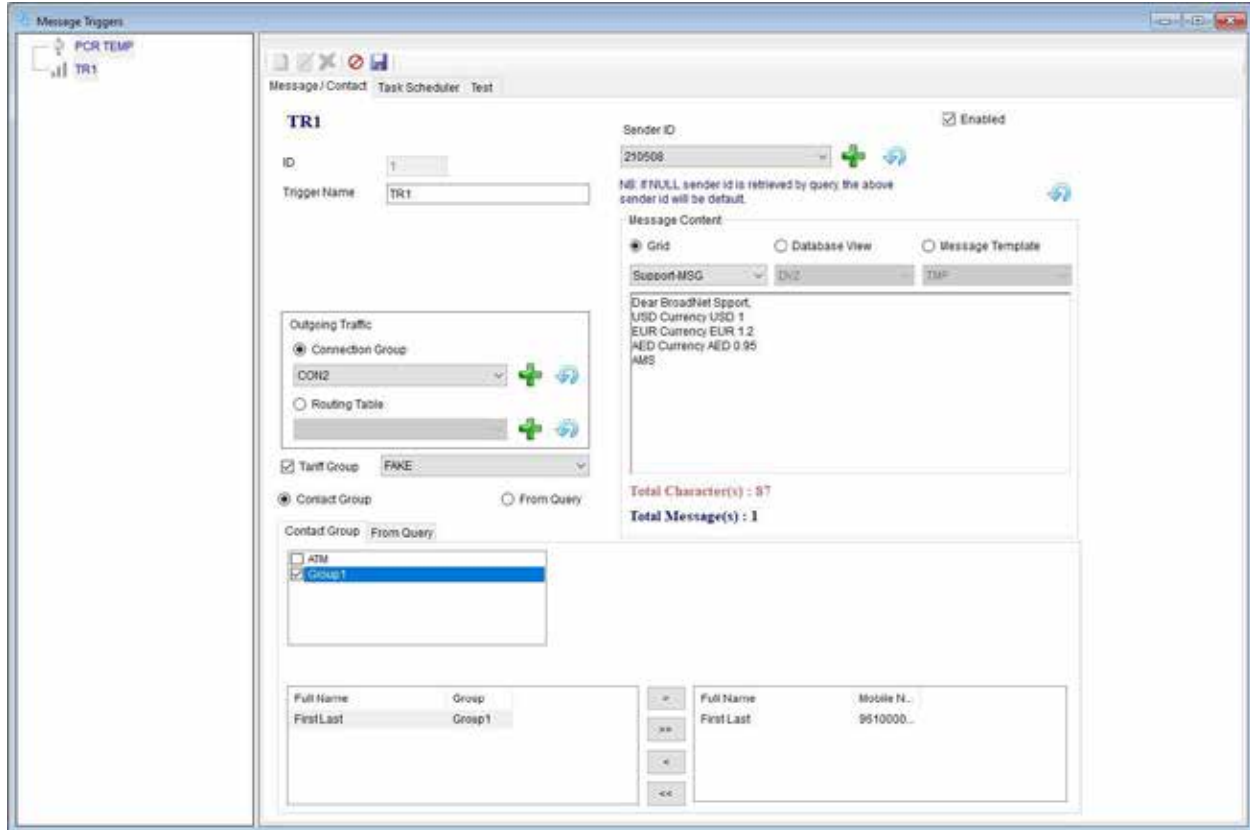
- ID:** 2
- Trigger Name:** PCR TEMP
- Last Updated ID:** 1026
- Latest Record ID:** 1026
- Check (Max: 1000 records):** [Button]
- Set Last ID:** [Button]
- Outgoing Traffic:**
 - ☒ Connection Group: CON2
 - ☐ Routing Table
- Tarif Group:** FAKH
- Sender ID:** broadnet (Enabled)
- Message Content:**
 - ☐ Grid
 - ☐ Database View
 - ☒ Message Template

Support MSG: [Field] / [Field] / PCR Template

Dear Customer,
Your Account Number:
For more information press on the below link :
\$link\$

Total Character(s) : 93
Total Message(s) : 1

-Message Trigger Builder



Message Triggers

Message / Contact Task Scheduler : Test

TR1

ID: 1

Trigger Name: TR1

Sender ID: 210508

Enabled: ☒

Message Content:

Grid Database View Message Template

Support MSG: CON2 TMP

Dear BroadNet Sport,
USD Currency USD 1
EUR Currency EUR 1.2
AED Currency AED 0.95
AMS

Total Character(s) : 57
Total Message(s) : 1

Outgoing Traffic:

Connection Group: CON2

Routing Table:

Tariff Group: FAKE

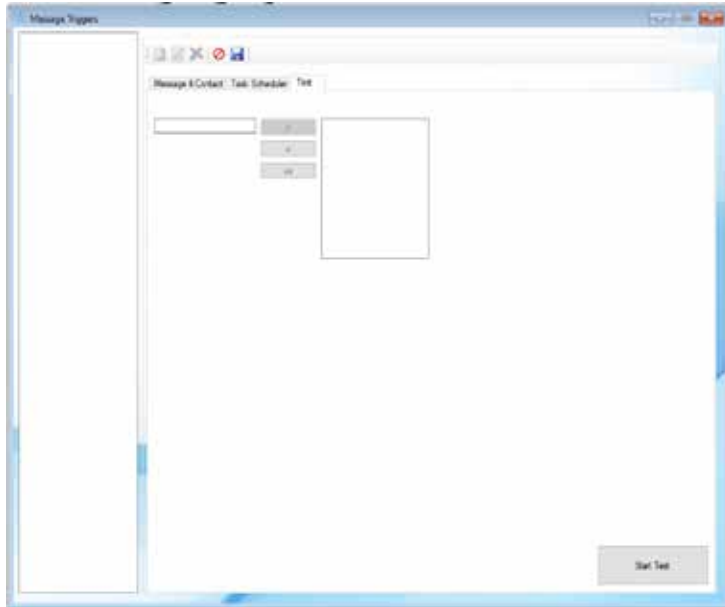
Contact Group: From Query

Contact Group: Group 1

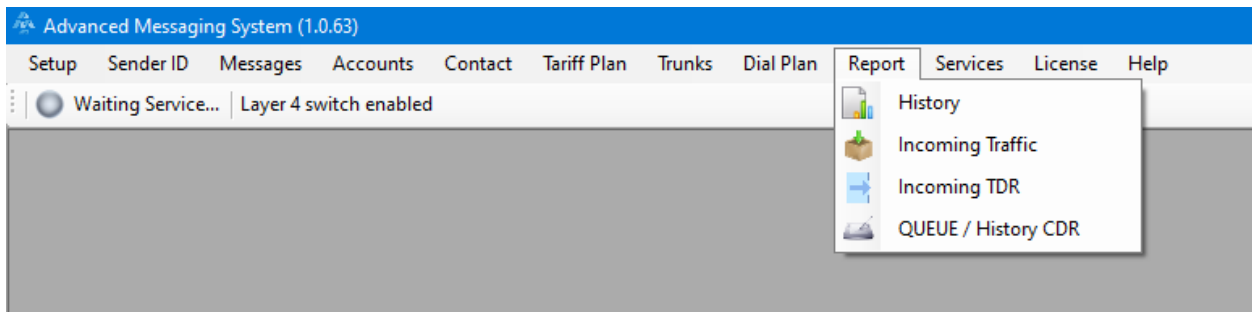
Full Name: Group
First Last: Group 1

Full Name: Mobile N.
First Last: 9910000...

-Message content, Sender ID, Connection Group, Destination numbers, Task Schedule, conditional time sending, Message restriction and rules control, Trigger message test form



- Detailed Reporting with charts for incoming and outgoing Traffic with charts and export services



From: 8/06/2021 00:00

To: 8/06/2021 23:59

Mobile Number:

Status: ALL

Group By: ALL

Sort: Descending

Limit: 100000

Prefix:

Account: All

Service: All

ID	Name	Service	Account
☒ 20	abc	SMPP	GroupTest
☒ 2	ama	Web Server	GroupTest

Response Msg. ID:

Server Msg. ID:

Provider Response:

Connection: All

Message Content:

Sender ID:

Timezone: (UTC+02:00) Beirut

History Queue

Search:

Reset Default Export

User	Received Date	Submitted Date	Response Date	TD	Server Msg. ID	Response Msg. ID	Provider Details	Prefix	Country
*	06/06/2021 17:...	06/06/2021 17:...	21/06/08 17:17	84.61	T-2	21060817154...	21060817154...	467	Sweden
*	06/06/2021 17:...	06/06/2021 17:...	21/06/08 17:17	89.47	T-2	21060817154...	21060817154...	467	Sweden
*	06/06/2021 17:...	06/06/2021 17:...	21/06/08 17:17	87.53	T-2	21060817154...	21060817154...	467	Sweden
*	06/06/2021 17:...	06/06/2021 17:...	21/06/08 17:17	88.72	T-2	21060817154...	21060817154...	467	Sweden
*	06/06/2021 17:...	06/06/2021 17:...	21/06/08 17:17	90.58	T-2	21060817154...	21060817154...	467	Sweden
*	06/06/2021 17:...	06/06/2021 17:...	21/06/08 17:17	88.33	T-2	21060817154...	21060817154...	467	Sweden
*	06/06/2021 17:...	06/06/2021 17:...	21/06/08 17:17	88.64	T-2	21060817154...	21060817154...	467	Sweden
*	06/06/2021 17:...	06/06/2021 17:...	21/06/08 17:17	88.72	T-2	21060817154...	21060817154...	467	Sweden
*	06/06/2021 17:...	06/06/2021 17:...	21/06/08 17:17	89.57	T-2	21060817154...	21060817154...	467	Sweden
*	06/06/2021 17:...	06/06/2021 17:...	21/06/08 17:17	88.25	T-2	21060817154...	21060817154...	467	Sweden

Total SMS: 3082

Success: 2069

Failed: 1013

ASR %: 67.13

Currency: USD

Cost: 308 20000

Revenue: 597 50000

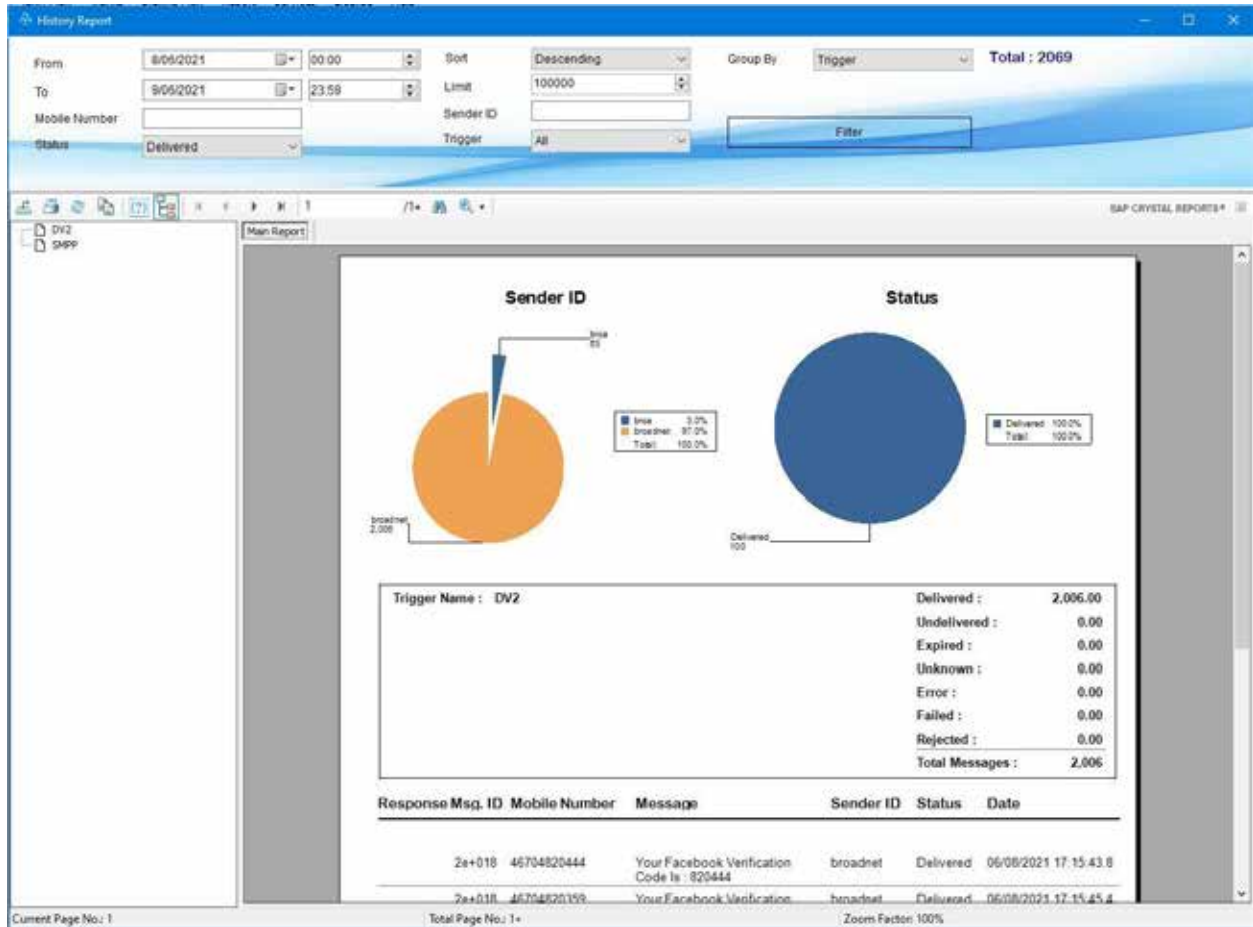
Profit: 289 30000

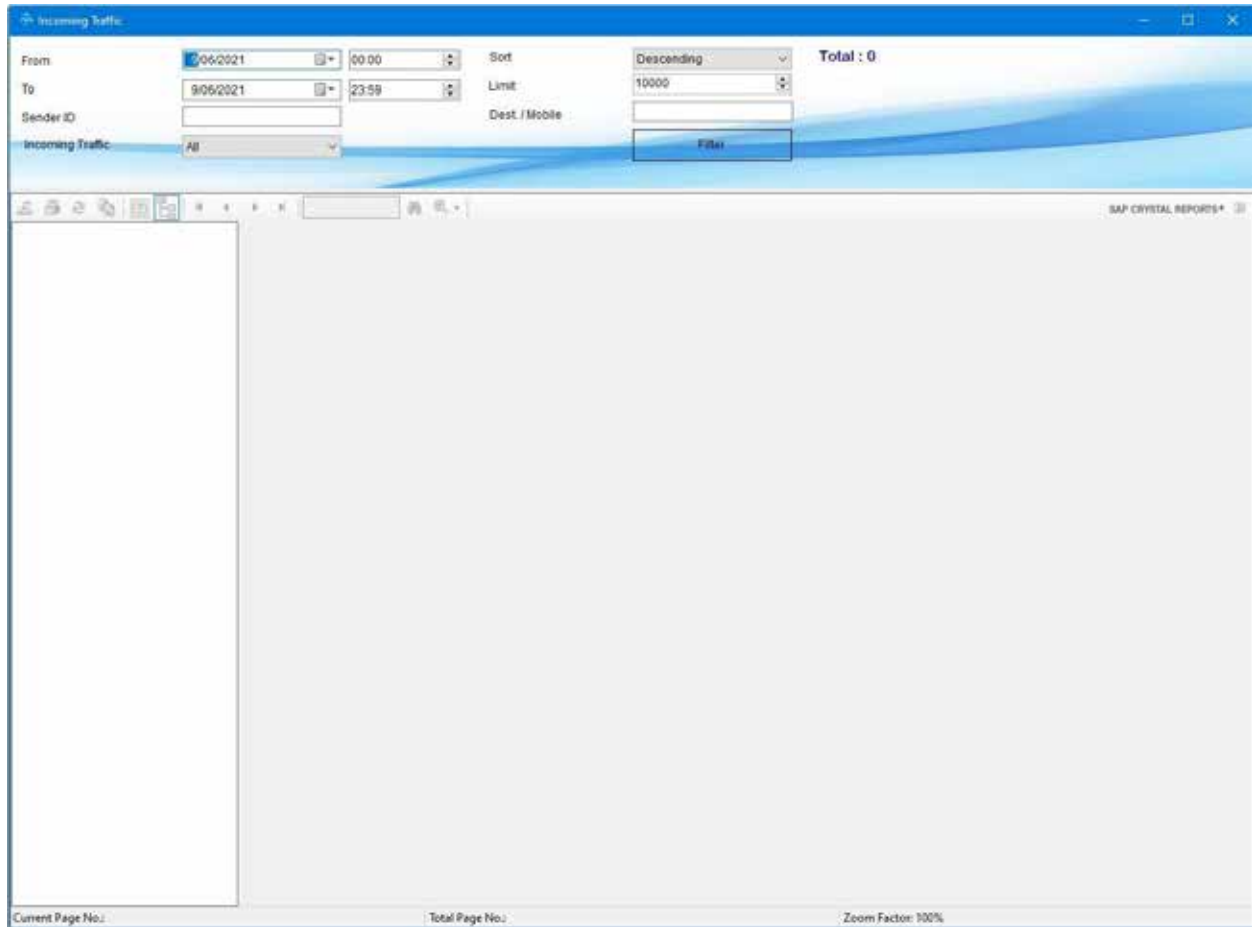
Total Queue : 0

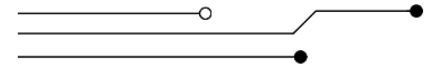
Records per page: 10

1 / 309

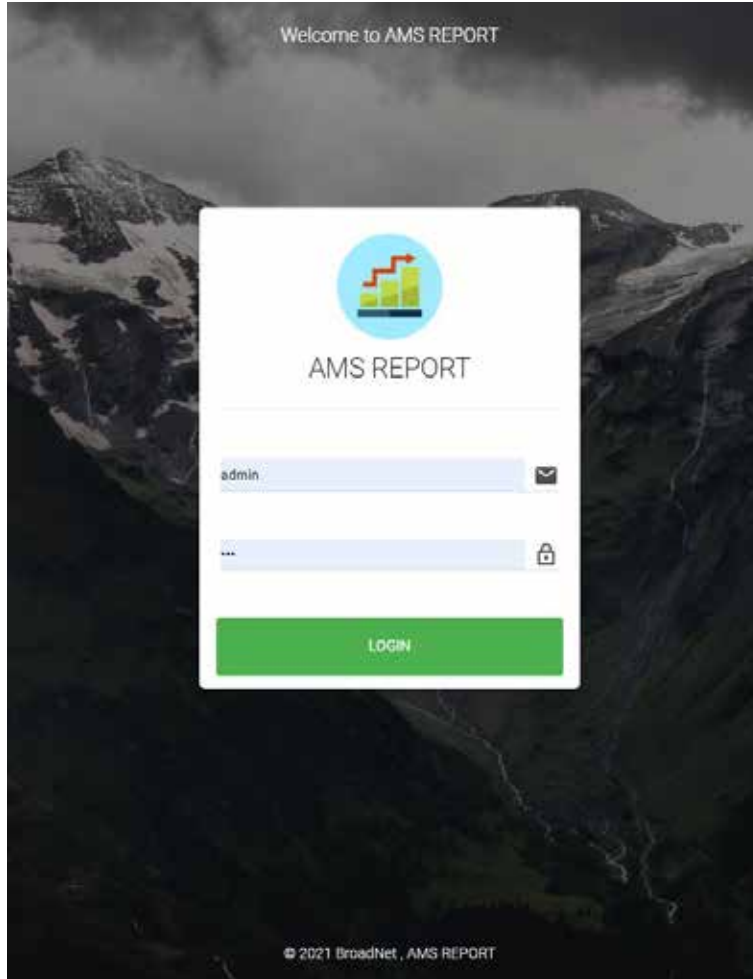
Selected Page: 1

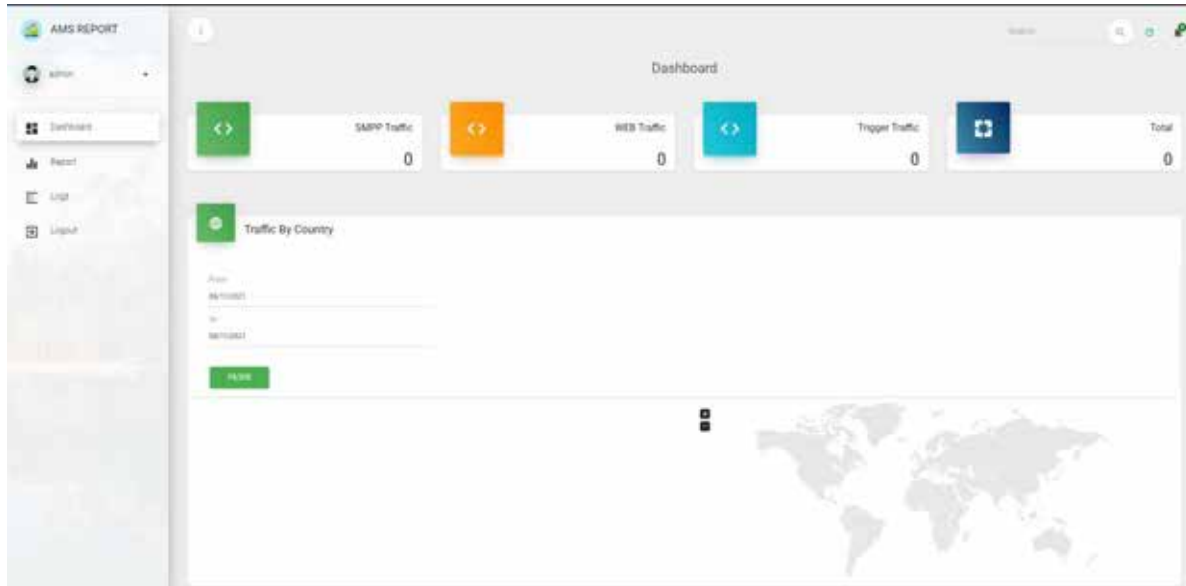
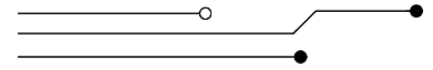






-Web Portal Reporting Interface

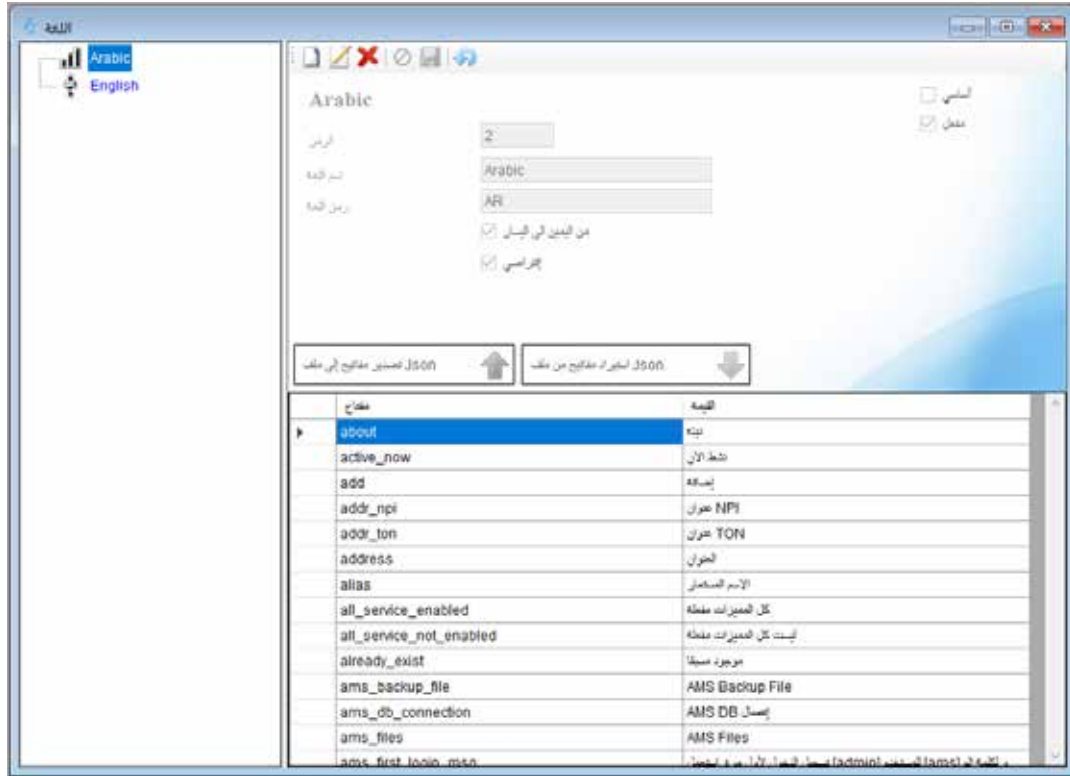




- New Version Update notification (this option is related to user decision in order to be enabled to disabled)

-Multi Language Support

Key	value
about	About
active_now	Active Now
add	Add
addr_npi	Addr_NPI
addr_ton	Addr_TON
address	Address
alias	Alias
all_service_enabled	All Service Enabled
all_service_not_enabled	All Services Not Enabled
already_exist	Already Exist
ams_backup_file	AMS Backup File
ams_db_connection	AMS DB Connection
ams_files	AMS Files
ams_first_login_msg	First Login. Please use fadmin for username and f



On each update we be sure to:

- Require Data Validation / Integrity Checks/ Security audit
- Test for Vulnerabilities
- Harden Everything, Internal database, including executables from reverse engineering or code source lookup
- Test each and every feature in the application in addition to be sure to include all fixes for all windows versions