Interactive Message Response System

Version 2.0 Extreme

User's Guide

March, 2011

1.0 Introduction

This document describes the Interactive Message Response System.

2.0 Getting Started

Interactive Message Response System intended for mobile based sms text service to mobile client (mobile phone users).

2.1 Overview

Interactive Message Response System Offer 4 types of service *Request, General, Broadcast/Forward* and *Proposal*. Each service can be used by registered user (if service is subscribe to their group) or unregistered user. Special type service *Broadcast/Forward* can Used by *Personal Group Member* only, rest of services can be used by *Personal* and *Public Group*. *Broadcast/Forward* type service can use by detection of *mobile number* or *keyword* (which is receive in the SMS message by the server). Rest type service identify by *Keyword* (which is receive in the SMS message by the server).

2.2 Service

1. Request type service is dynamic service which is a TCP/IP Client request to TCP/IP Server at Specific port and return text message to mobile user regarding user request.
2. General type service is static service which is return static text Message to mobile user regarding user request.
3. Proposal type service also static service which is return buy or sell Proposal as text message to mobile user regarding user request.
4. Broadcast/Forward type service can broadcast message to all registered user of forward to groups, Mobile number, E-Mail Address by identifying keyword or mobile number of user who is requested.

2.3 About the Package Components

Here is a brief description of the components contained in the packages listed above:

- Web Service ServiceGx 2.0
- ServerGx 2.3

Debug / Diagnostic tools
- IMRS test request server application dig 1.0
- IMRS Test application dig 1.1
- Console SMS Client 2.0

3.0 How to Configure Web Service?

Open Internet Explorer and load URL of ***Interactive Message Response System web Service Manager*** http://localhost/imrs/ , configuration tools are *server manager, service manager, profile manager, auto forward manager and group manager*
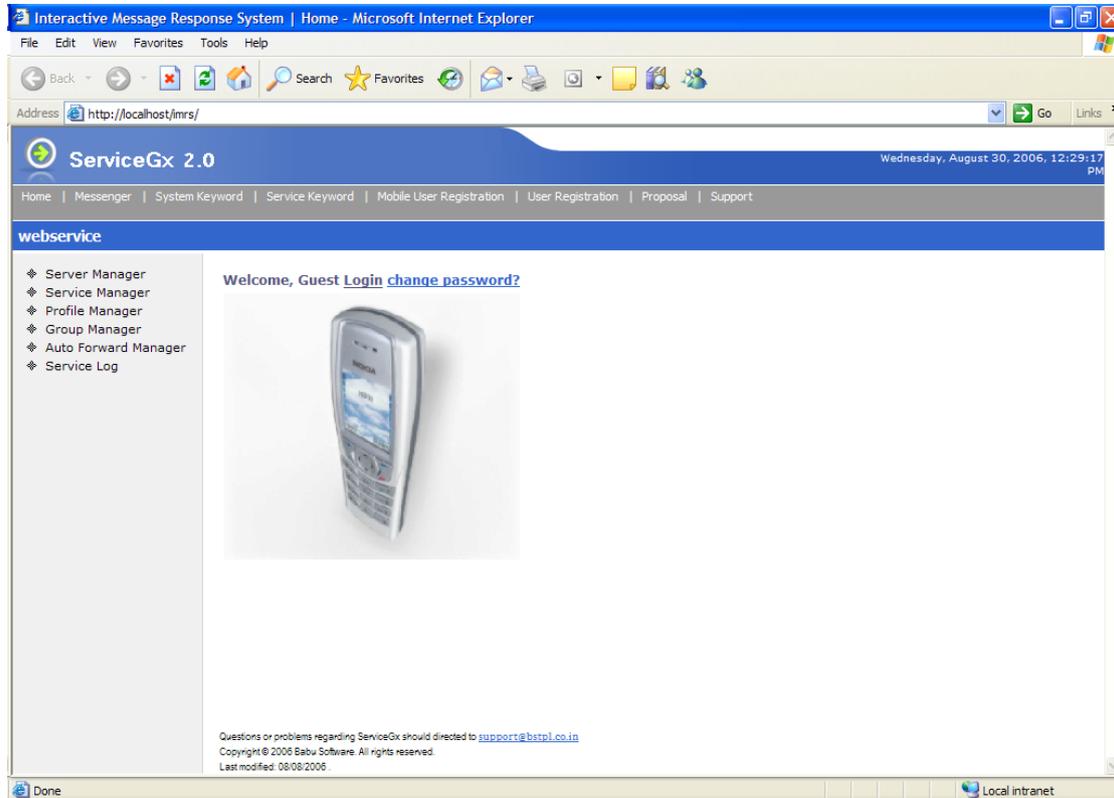
Interactive Message Response System web Service Manager

4.0 Default Password and User

default user of web service administrator ServiceGx is ***system*** and default password set to ***manager***

5.0 Server Settings

Click *Server Manager* Option link in to display the **Settings** consisting of the following:

Server Manager

server manager provide option for *start / stop service*, configure of server name and set to default service when no keyword is identify by server this service is executed by default. Also providing option for block *mobile number/ IP address*, acknowledge can be set ON/OFF and last option provided to user logoff time.

[EXAMPLE

Service Status   : START
Server Name   : ServerGx
Default Service   : NONE
Block Address   : 8888; 124.6.122.23; +919839183144;
Acknowledgement   : ENABLE
Auto user logoff   : 15 Minutes

]

5.0 How to configure service?

Click *Service Manager* Option link operation if service is already exits then browse the service click edit button in service manager if service is new the click new service link in service manager. For removing service click remove button.

Service Manager

5.1 General Service Configurations

General Service is static service which is returning static message to user. Service can configure to unregistered or registered user.

Update General Service

5.2 Creating New General Service

Enter name of service, service description, category of service, service keyword, and return message. Also select option for login required or not and set the service status i.e. Service is enable or disable.

[E*xample*

Name	:	MAIN MENU
Description	:	MENU SERVICE
Category	:	MENU
Keyword	:	m;lst;menu;M;LST;MENU (multiple service keyword)
Return Message	:	sell buy news
Is disable service	:	TRUE/FALSE
Login	:	REQUIRED/NOT REQUIRED

] service type and service rule are automatically failed click add to create new general service. If service is set to login required then also set group permission to this new service.

New general service

5.3 Creating New Proposal Service

Enter name of service, service description, and category of service, service keyword, and proposal item, item rate and type of proposal buy or sell. Also select option for login required or not and set the service status i.e. Service is enable or disable.

[EXAMPLE

Name	:	BUY PROPOSAL CPO CRUDE
Description	:	PROPOSAL SERVICE
Category	:	BUY CRUDE
Keyword	:	buy cpo;
Proposal Item	:	CPO 5% FFA
Proposal Type	:	SELL/BUY
Is disable service	:	TRUE/FALSE
Login	:	REQUIRED/NOT REQUIRED

] service type and service rule are automatically failed click add to create new proposal service. If service is set to login required then also set group permission to this new service.

New Proposal Service

5.4 Creating New Request Service

Enter name of service, service description, and category of service, service keyword, and Server address, server port, service user and password. Also select option for login required or not and set the service status i.e. Service is enable or disable.

[Example

Name	:	REQUEST NetPro
Description	:	REQUEST SERVICE
Category	:	REQUEST
Keyword	:	ping;
Server Address By	:	SERVER NAME
Server Address	:	localhost
Server Port	:	998
Service User	:	
Service password	:	
Is disable service	:	TRUE/FALSE
Login	:	REQUIRED/NOT REQUIRED

] service type and service rule are automatically failed click add to create new Request service. If service is set to login required then also set group permission to this new service.

New Request Service

5.5 Creating New Broadcast/Forward Service

Enter name of service, service description, and category of service, service keyword/Mobile Number, and Forward Type. Also select option for login required or not and set the service status i.e. Service is enable or disable. Forward Type can be Selected Mobile Phone/E-mail/Groups/All Users.

[Example

```
Name                       :  HELP
Description                :  HELP
Category                   :  GENERAL
Keyword Mobile Number By   :  KEYWORD
Keyword                    :  help;
Forward type               :  MOBILE NUMBER
Mobile Number              :  +919415917612
Is disable service         :  TRUE/FALSE
Login                      :   REQUIRED/NOT REQUIRED
```

] service type and service rule are automatically failed click add to create new Broadcast/Forward service. If service is set to login required then also set group permission to this new service.

New Broadcast/Forward Service

5.6 Other Service

Bid, login, logout ,user register is the other service which is default keyword identification in client (mobile phone user) request. Service details are as

'bid' service keyword work with all *'proposal service'* use as **'bid <service keyword> = <bid value>** ' but all registered user can use it.

'login' Service keyword use for login it can be use as '**login'** or '**login <user name> <password>'**

'pwd' Service keyword use for change password it can be use as **'pwd <old password> <new password> <retype new password>'**

'reg' service keyword use for user registration keyword use as '**reg < user name>'.** default password set to 1234

6.0 How to Configure Group?

Click Group *Manager* Option link operation of ServiceGx Manager if Group is already exits then browse the group click edit button in group manager if group is new the click new group link in group manager. For removing group click remove button.
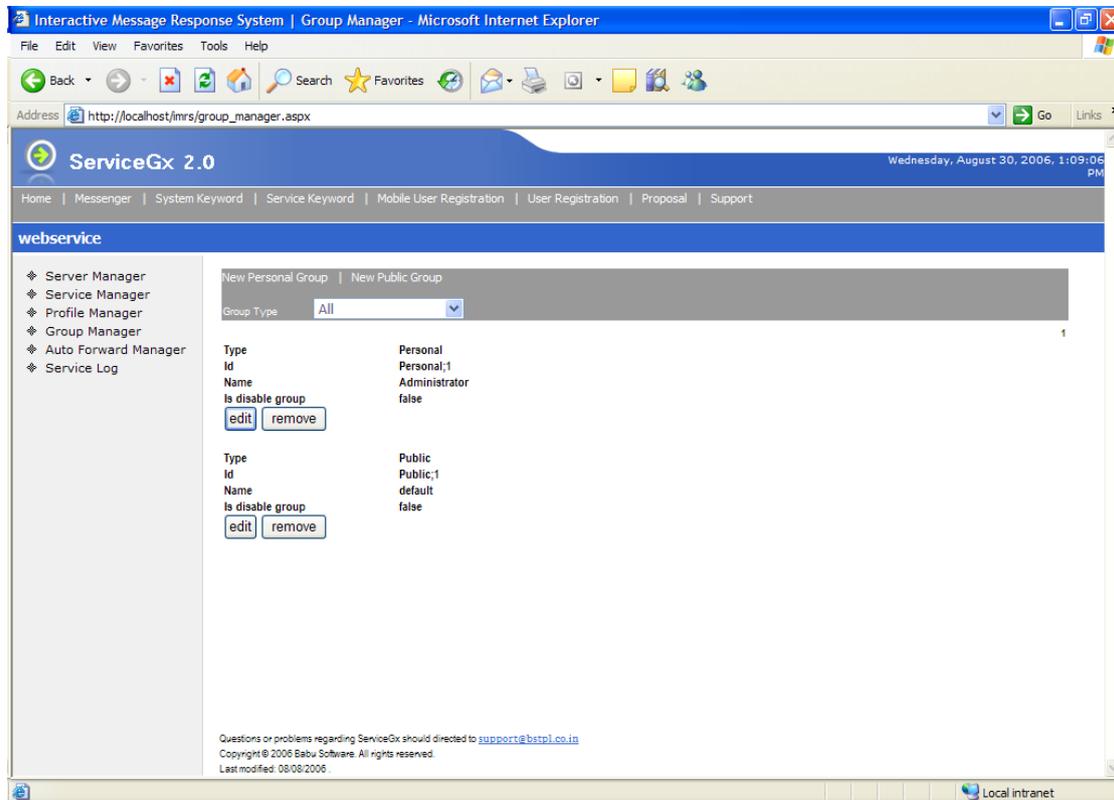
Group Manager

Configure service subscribe select service allow service in group as below default group has no service subscribe but clicking service allow subscribe to service to respective group.

Update Group

6.1 Creating New Group:

Enter name of group, service allow. Also set the group status i.e. group is enable or disable.

[Example

Group Name   : Employee
Service Allow   : Broadcast/Forward;1;Broadcast
Is disable group   : TRUE/FALSE

] group type and group id are automatically failed click add to create new group. Depending on group is personal or public.

New Group

6.0 Profile Administration

Click Profile *Manager* Option link operation of ServiceGx Manager if profile is already exits then browse the profile click edit button in profile manager if profile is new the click new profile (web or mobile) link in profile manager. For removing profile click remove button.
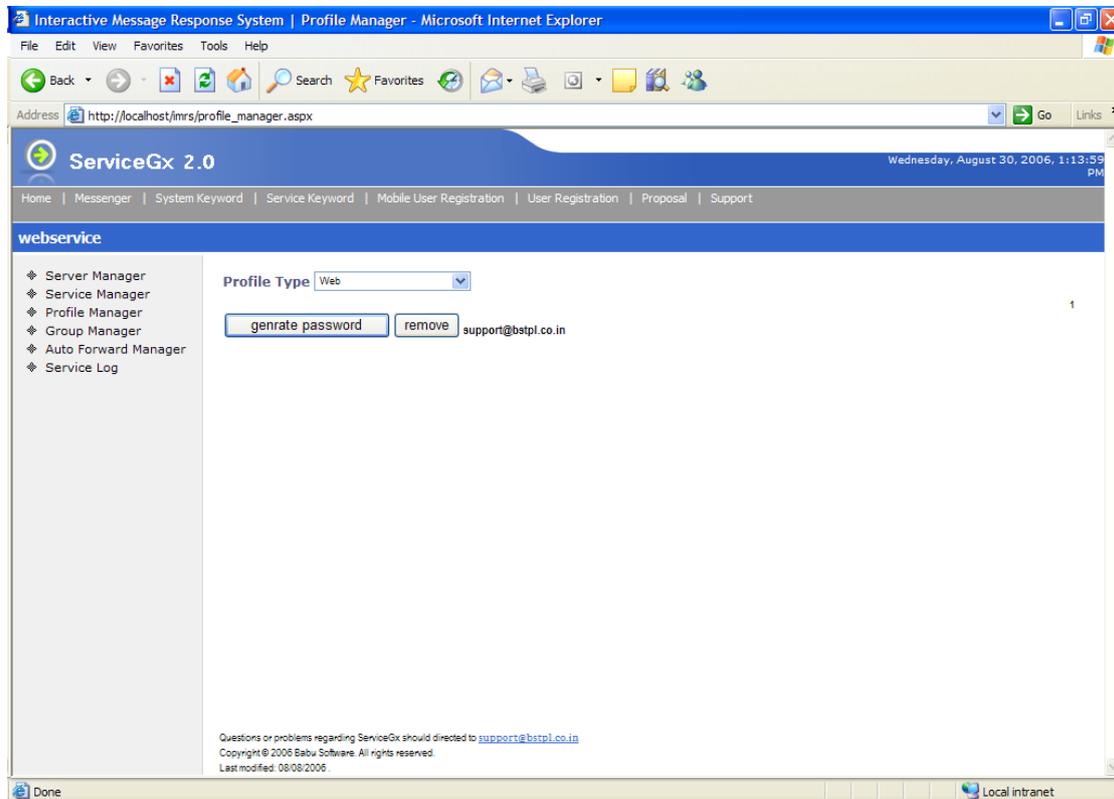
Profile Manager

6.1 Crating New Profile

Providing login name, password, User name, E-mail address, mobile number and rest of entries and clink registered. Rights are update in editing profile option.
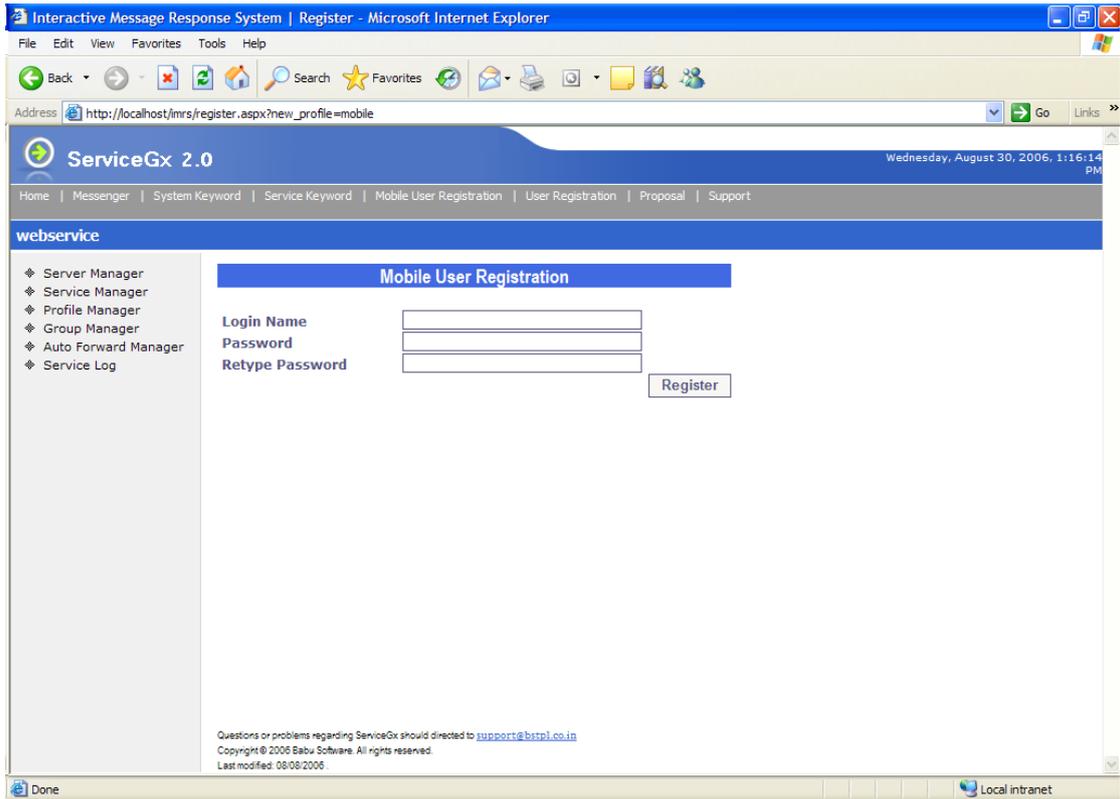
New Mobile Profile

7.0 Auto Forward

General and proposal service are set to auto forward to group or groups. Click to open Auto forward *Manager* Option link operation of ServiceGx Manager. Select the service which is configuring to auto forward. Set the desire setting and click update in auto forward manager.
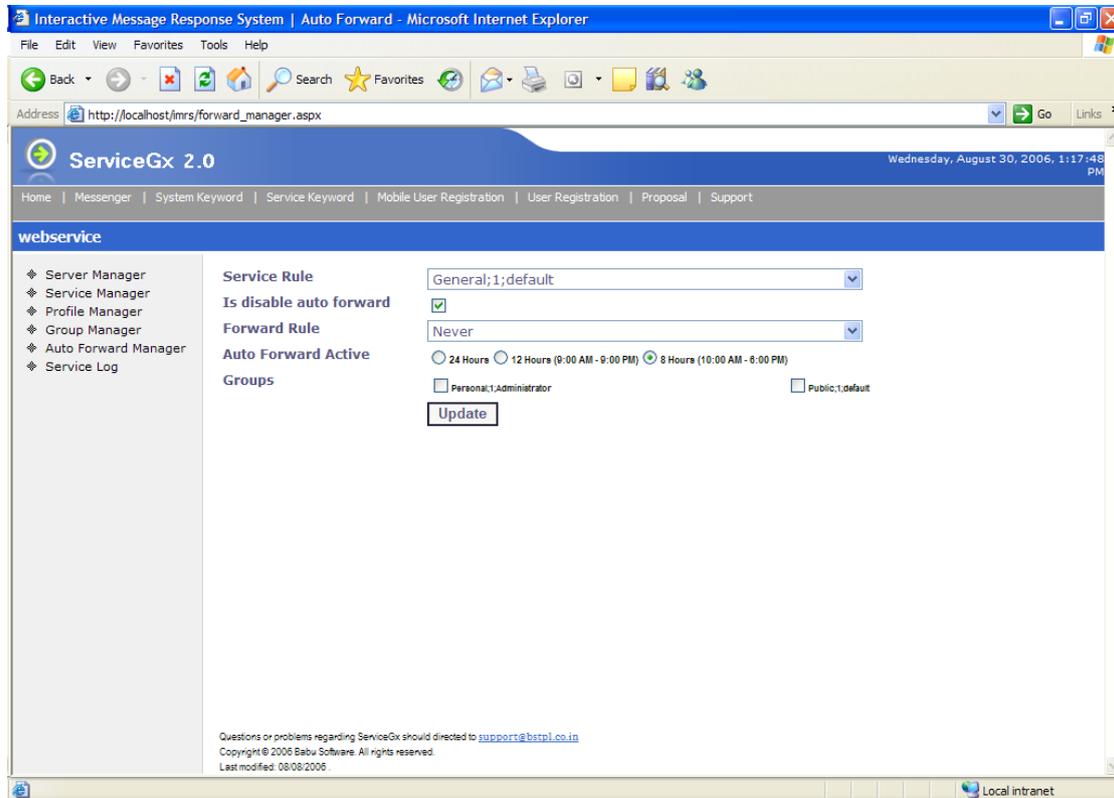
Auto Forward

8.0 Tools

ServerGx provided debug tools and test tool to provide appropriate support. Tools are

8.1 **Mobile messenger (WINDOWS/WEB)** TCP/IP Clint of web Service useful in testing server. Web mobile messenger open in clicking messenger option in ServiceGx Manager. Windows mobile messenger is clicking mobile messenger icon on desktop.

8.2 **Server log** View all log to detect status of server. Server log Viewer open in clicking server log link option in Server Manager.

8.3 **Proposal viewer** all Bid value for items with contact information of bidder. Proposal Viewer open in clicking Proposal link option in ServiceGx Manager.

10.0 Configuring ServerGx Gateway

ServerGx Support 4 type gateway

• Netshell Gateway	[two way: = incoming and outgoing]
• Custom Gateway	[one way: = outgoing]
• SQL Plus Gateway	[two way: = incoming and outgoing]
• MySQL Gateway	[two way: = incoming and outgoing]

Open gateway setting from imrs.servergx menu for icon in notification area. Click setting dialog open as
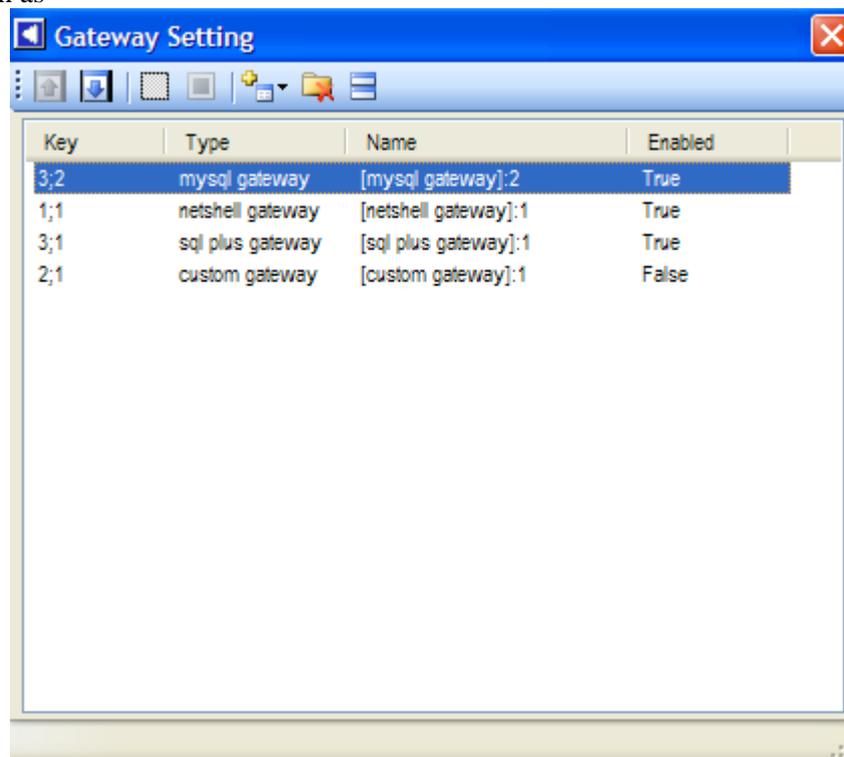
Gateway Setting

Options are available in tool bar set high parity, set low parity, enable gateway, disable gateway, add gateway, remove gateway, and edit gateway setting.

Parameter Using in SQL Gateway (MySQL / SQL Plus)

Parameter	Description	Use
[fetch key]	numeric primary key in incoming message table.	Detecting new message and deleting old message.
[message]	message field in outgoing message table.	Inserting new outgoing message
[source]	source field in outgoing message table.	Inserting new outgoing message
[destination]	destination field in outgoing message table.	Inserting new outgoing message
[time stamp]	Any date time field in outgoing message table.	Inserting new outgoing message

EXAMPLE: 1 connection to mysql database db_sms. Table in db_sms tbl_msg_in {id , msg, sender, entrydate [id is numeric primary key for table]} is use for storage new incoming message, and tbl_sms_out {id , msg, sender, destination entrydate [id is numeric primary key for table]} is use for outgoing message.

Using MySQL Gateway

Connection string: "server=127.0.0.1;user id=root; password=12345; database=db_sms; pooling=false"

Select Statement: "SELECT id, msg, sender FROM tbl_msg_in WHERE id > [fetch key];"

during execution [fetch key] is replace by last id value.

NOTE: SELECT STATEMENT IS FIX it takes 3 fields from incoming table [primary key field, message filed and sender filed] also it is depending upon order.

Delete Statement: "DELETE FROM tbl_msg_in WHERE id < [fetch key];"

during execution [fetch key] is replace by last id value

Insert Statement: "INSERT INTO tbl_msg_out (sender, destination, msg, entrydate) VALUES([source], [destination], [message],[time stamp]);"

during execution ([source], [destination], [message],[time stamp] is replace by source, destination, outgoing message and current time stamp value.

EXAMPLE: 2 connection to access database db_sms.mdb, location of file is "C:\Documents and Settings\manoj\My Documents\db_sms.mdb" Table in db_sms tbl_msg_in {id , msg, sender, entrydate [id is numeric primary key for table]} is use for storage new incoming message, and tbl_sms_out {id , msg, sender, destination entrydate [id is numeric primary key for table]} is use for outgoing message.

Using SQL Plus Gateway

Connection string: "Provider=Microsoft.Jet.OLEDB.4.0;Data Source=C:\Documents and Settings\manoj\My Documents\db_sms.mdb;Persist Security Info=False"

Select Statement: "SELECT id, msg, sender FROM tbl_msg_in WHERE id > [fetch key];"

during execution [fetch key] is replace by last id value.

NOTE: SELECT STATEMENT IS FIX it takes 3 fields from incoming table [primary key field, message filed and sender filed] also it is depending upon order.

Delete Statement: "DELETE FROM tbl_msg_in WHERE id < [fetch key];"

during execution [fetch key] is replace by last id value

Insert Statement: "INSERT INTO tbl_msg_out (sender, destination, msg, entrydate) VALUES([source], [destination], [message],[time stamp]);"

during execution ([source], [destination], [message],[time stamp] is replace by source, destination, outgoing message and current time stamp value.

10.0 For More Information

For more information about configuring and using the components in the packages, contact

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