Smart Mobile Messaging Server on Smart Phone with Cloud (Sharepoint online and Office 365) integration

Descriptions

FIELD OF THE INVENTION

The present invention relates to facilitating small and medium enterprise messaging for business needs, using readily available mobile devices.

BACKGROUND

Present day business messaging to end client mobile devices often requires purchasing a dedicated server grade messaging platform or subscribing to external messaging service provider. Such a typical setup can incur high capital expenditure and operating costs. The way to give small and medium enterprise business a flexible and cost effective messaging means is to transform the common smart phones to a working mobile messaging server. This definitely gives the business enterprise the control of their messaging operating costs.

BRIEF DESCRIPTION OF THE DRAWINGS

Having thus described the invention in general terms, reference will now be made to the accompanying drawings, which are not necessarily drawn to scale, and wherein:

FIG. 1 shows schematically a block diagram in which an embodiment of the present invention is implemented.

DETAILED DESCRIPTION OF THE INVENTION

The present inventions now will be described more fully hereinafter with reference to the accompanying drawings, in which some examples of the embodiments of the inventions are shown. Indeed, these inventions may be embodied in many different forms and should not be construed as limited to the embodiments set forth herein; rather, these embodiments are provided by way of example so that this disclosure will satisfy applicable legal requirements. Like numbers refer to like elements throughout.

FIG. 1 shows schematically a block diagram in which an embodiment of the present invention is implemented. The Mobile Messaging Server (100), is capable of communication with SharePoint Online (200) via interface (300) for the messages destination and content. Using web browser or 3rd party SharePoint program, users can populate the SharePoint Online messaging content. Subsequently, SMS messaging to the client devices is sent out via interface (400).

The Mobile Messaging Server Application (100), together with the SharePoint Online (200) would allow business user the capability of sending and confirming the delivery of messages to clients. It has the detail records of sending and delivery reports on the SharePoint Online (200). In addition, SMS messages can be simultaneous blast to multiple clients, or group of clients. Furthermore, there is also appointment calendar and SMS message template, to better manage user appointment reminders and SMS message layout.

The Interface (300) is the new REST (Representational State Transfer) interface that provides access to lists and libraries of SharePoint Online as a relational data service. The core concept of any RESTful interface is the resource, lists and items are represented as HTTP resources that can be addressed by remote URLs.

In the SharePoint Online (200), using web browser or 3rd party tool, users can make a calendar appointment reminder or blast SMS messages for marketing uses. These new SMS messages are kept in specific lists in SharePoint Online, waiting for the Mobile Message Server Application (100) to process the sending.

The Mobile Message Server Application (100) upon receiving the new appointment reminders or blast SMS messages will send each SMS messages to the designated client devices. SMS sending and delivery reports if available from Service Provider, and are transferred from the Application to the SharePoint Online (200). User can easily check the SMS sending and delivery status.

Claims

1. A method of transforming a mobile device into an enterprise Mobile Messaging Server, comprises the steps of retrieving the SMS messages destination and content from the SharePoint Online and delivering the SMS message to the client devices.

2. The mobile computer program product of claim 1, is capable of simultaneous blast messaging to multiple clients and groups.

3. The mobile computer program product of claim 1, has the detail records of sending and delivery reports on the SharePoint Online.

4. The mobile computer program product of claim 1, has appointment calendar and message template, for user to configure appointment reminders and SMS message layout.