IntelliMessage® Data Usage

IntelliMessage® applications were designed to be network efficient and device agnostic. The IntelliMessage® desktop and mobile applications use HTTPS for all data communication and a token password methodology. There is no IntelliMessage® information stored on the devices. What that means is that whenever Message History, Address Book, or Send Message (Send Message uses Address Book so it gets refreshed) is requested, there is always network activity. Initial requests for these services download the summarized (base) information. Follow up requests for these services use a check sum approach to check with the server and see if any data has been modified on any device and if so, the data is updated on the device you were using before being able to use that information on that device. For Message History or the Address Book, detail information is only available when there is an active internet connection and is only loaded and available on the device when that specific information is requested.

How much data is being used?

According to the website, Pingdom (royal.pingdom.com), "Based on the top 1,000 websites on the Internet, the average page size has gone from 626 KB to 784 KB." Each site and each page is different with varying amounts of graphics, java scripts, etc.

The IntelliMessage® desktop applications (PC and MAC) and Android mobile devices use a two minute long polling algorithm. The application requests the poll and looks for a received message flag which indicates to the application that a new message has arrived and is ready for the application to fetch the message. In addition, the Android mobile devices use the "Android Push" feature of "Android". We use both push and poll on Android devices because older versions of Android phones, certain models of consumer Android phones, and Android phones running older Android OS versions seem to exhibit intermittent push receipts from "Android". We believe these to be device / carrier issues, not "Android Push" issues.

If you were to actively use any of these devices with the IntelliMessage® application over a 24 hour period receiving two 100 character messages per hour, accessing Message History twice within the day, and either Address Book or Send Message with 100 Contacts twice within the day, the expected usage would be somewhere around 2,000 KB or the equivalent of approximately 3 web page loads (over that 24 hour period).

The iOS devices including iPhone, iPad, and iTouch only use Apple push to receive messages – they do not do any polling when the application is closed. They do poll if the application is open. The daily usage for the iOS IntelliMessage® applications over a 24 hour period receiving two 100 character messages per hour, accessing Message History twice within the day, and either Address Book or Send Message with 100 Contacts twice within the day, the expected usage would be somewhere around 1,200 KB or the equivalent of approximately 2 web page loads.

Blackberry devices use Blackberry push for message notifications have similar data usage as the iOS devices.

The initial sign in procedure on any of these applications may use up to 1,000 KB of usage or the equivalent of 1.5 web page loads. Within the usage numbers above, typically a 100 character message is contained within a 500 character data transaction that includes formatting, reply options, any custom replies, read receipt style, and where the device should point for the next data communication transaction.