

# Listening for incoming SMS messages in WRT Widget

## Overview

This code snippet below demonstrates how to receive incoming message notification/contents in WRT widget using Platform Services 1.0 Messaging API.

```
try {
    var so = device.getServiceObject("Service.Messaging", "IMessaging");
} catch(e ) {
    alert("Error in getting Messaging interface \n" + e);
    return;
}

// Our criteria is to get new messages.
var criteria = { Type : "NewMessage" };
// Lets register the widget to receive notifications of new incoming messages.
// New messages will be notified to onMessageReceived callback function.
var ret = so.IMessaging.RegisterNotification(criteria, onMessageReceived);
if( ! ret.ErrorCode ){
    alert("Registration Successfull!");
}else{
    alert("Registration Failed, ErrorCode : " + ret.ErrorCode );
}

// Callback method that is executed when RegisterNotification has results
// or status information to return.
function onMessageReceived( transId, eventCode, result ){
    // NOTE: Here we use JSON library for demo so that we can check
    // the entire structure of the result in case of success or error.
    alert("Message Received: \n" + JSON.stringify(result) );
};
```

## Successfully received message JSON structure

```
{
  ErrorCode : 0,
  ReturnValue : {
    Unread : true,
    Attachment : false,
    Priority : "Medium",
    MessageId : 1048667,
    Time : "Sunday, 10 January, 2010 2:35:09 pm",
    Sender : "14000",
    Subject : "This is a test message",
    MessageType : "SMS"
  }
}
```

## Sample Widget

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Sample Widget Application can be found here : [SMS Test.zip](#) 

## How to test

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After installing the above sample widget application, keep the widget application open, go to Messaging application and send a test message to yourself, then switch back to the sample widget, once the message is received on the device, you will see the dialog appearing on the screen displaying the complete structure of the message received.