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Platform	S60 5th Edition	Tested on devices	Nokia 5800XpressMusic
Category	Web Runtime (WRT)	Subcategory	Messaging

Keywords (APIs, classes, methods, functions): device.getServiceObject(),
 Service.IMessaging.RegisterNotification(),
 Service.IMessaging.Send()

Overview

This code snippet shows how to register your application to receive notifications on sent messages using the Messaging Platform Service for S60 Web Runtime introduced in S60 5th Edition.

The `device.getServiceObject("Service.Messaging", "IMessaging")` method is used to obtain access to the service object for the Messaging Service API.

After setting up the values for the notification type (`notificationCriteria.NotificationType`), the

`IMessaging.RegisterNotification(notificationCriteria, showMessagesStatus)` method is used to register for notifications. The `IMessaging.RegisterNotification()` method is asynchronous and uses the `showMessagesStatus()` as a callback function.

Source: Relevant HTML components

```
<p id="status"></p>
```

Source: JavaScript file

```
var serviceObj = null;

// Initializes the widget
function initialize() {
    document.getElementById("status").style.display = "none";

    // Obtain the service object
```

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```
try {
    serviceObj = device.getServiceObject("Service.Messaging",
        "IMessaging");
} catch(exception) {
    alert("Service object cannot be found.");
    return;
}
}

function sendMessageAndNotify() {
    // The sending part omitted. Refer to the See also section for the code
    // snippet that provides you with more information about the sending.
    // ...

    try {
        var notificationCriteria = new Object();
        notificationCriteria.Type = "NewMessage";
        //Registering for notification on new events.
        var result = serviceObj.IMessaging.RegisterNotification(
            notificationCriteria, showMessagesStatus);
    } catch (exception) {
        alert("Register message notification error: " + exception);
    }
}

/**
 * Callback function used to handle changes in the messaging status.
 * @param transId This is a number representing the transaction that called
 * the callback
 * @param eventCode This is a number representing the callback return status.
 * @param result This is an object for holding the callback return value.
 */
function showMessagesStatus(transId, eventCode, result) {
    if (result.ErrorCode == 0) {
        document.getElementById("status").innerHTML =
            "You have a new message!";
        document.getElementById("status").style.display = "block";
    }
}
}
```

Postconditions

The snippet shows how to register for receiving notifications on message status changing.

Supplementary material

The source file and executable application are available for download at [Media:Showing_messages_information_notifications_in_WRT.zip](#).

See also

- [CS001242 - Sending SMS messages in WRT](#)