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A simple text messaging alert using an SMS gateway

Below is a simple alert processor based on the `EnsLib.HTTP.OutboundAdapter` to send text alerts via an SMS Gateway service. Typically, all that is needed to send an HTTP Post to the gateway service is the destination phone number, a source phone number, credentials, and the URL.

The code below is based on the Anveo gateway whose interface is as follows:

Class Hospital.TextMessageAlert Extends Ens.BusinessOperation

```
{
Parameter ADAPTER = "EnsLib.HTTP.OutboundAdapter";
Property Adapter As EnsLib.HTTP.OutboundAdapter;
Parameter INVOCATION = "Queue";

/// The phone number that receives the text message alert
Property ToPhoneNumber As %String;
/// The phone number that generates the text message alert
Property FromPhoneNumber As %String;

Parameter SETTINGS = "ToPhoneNumber:Mobile,FromPhoneNumber:Mobile";

/// The alert notification
Method SendAlert(pRequest As Ens.AlertRequest, Output
pResponse As Ens.Response) As %Status
{
    set tSC = $$$OK
    try
    {
        set txtmessage = "An alert was generated from
        "_pRequest.SourceConfigName_" at "_pRequest.AlertTime
        set txtmessage = txtmessage _ ". Please respond to the issue." //
        pRequest.AlertText
        set destination = ..ToPhoneNumber
        set action="sms"
        set credentials = "<user token>"
        set from = ..FromPhoneNumber
        set tSC =
```

```
..Adapter.Get(.pResponse,  
"message,destination,action,credentials,from",txtmessage,destination,action,credentials,from)  
  
}  
catch ex  
{  
set tSC = ex.AsStatus()  
}  
  
return tSC  
}
```

```
XData MessageMap  
{  
  <MapItems>  
    <MapItem MessageType="Ens.AlertRequest">  
      <Method>SendAlert</Method>  
    </MapItem>  
  </MapItems>  
}
```

For further information on alerting see the online course [Setting Up Alerts](#).

[#Business Operation](#) [#Ensemble](#)

Source URL: <https://community.intersystems.com/post/simple-text-messaging-alert-using-sms-gateway>