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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,credent
ials,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