

KB Name	How to create a tags report and send it by mail		
Type	Script Example		
Since revision	NA		
KB Number	KB-0028-0	Build	31
Mod date	30. Mar 2009		

# How to create a tags report and send it by mail

## 1 Introduction

The purpose of this document is to give an example of how to create a report and send it by mail. The report will contain current tags values and will be generated in text and html formats.

## 2 Tagnames creation

Create the 3 analog tags below, whatever the eWON IO Server they belong to:

-VesselPressure

-VesselTemperature

-VesselLevel

Create a fourth tag called HourInfo as an analog EWON tag.

## 3 Files creation

We will now create the files which will be used for the report.

To insert the current value of the Tag into the report we will use the TagSSI syntax. The SSI stands for Server Side Include; this method is used for creating web sites in which the server updates parts of the HTML page. For further explications please refer to the eWON Web Reference Guide (RG-003-0-EN).

All he have to know for our example here is that we have to use following syntax to include the value of a tag inside of the report:

```
<##TagSSI,TagName%>
```

When eWON then sends out the report by eMail or FTP, eWON will parse the file and replace the <##TagSSI,TagName%> with the current value of the Tag called "Tagname".

### 3.1 Text file

Create a text file called VesselData.txt, with the following content:

```
Values of the vessel sensors at <##TagSSI,HourInfo%>  
Vessel Temperature : <##TagSSI,VesselTemperature%> °C  
Vessel Pressure : <##TagSSI,VesselPressure%> bar  
Vessel Level : <##TagSSI,VesselLevel%> L
```

Place this file under the /usr folder of the eWON (using FTP).

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### 3.2 HTML file

Create a text file called VesselData.html, with the following content:

```
<html>
<body>
<b><u>Values of the vessel sensors at <#TagSSI,HourInfo%></b></u>
<p>Vessel Temperature : <#TagSSI,VesselTemperature%> °C</p>
<p>Vessel Pressure : <#TagSSI,VesselPressure%> bar</p>
<p>Vessel Level : <#TagSSI,VesselLevel%> L</p>
</body>
</html>
```

Place this file under the /usr folder of the eWON (using FTP)

## 4 Script

### 4.1 Purpose

We will now need to generate a trigger for sending out the Report.

In the example shown hereunder each hour a mail is sent with the values of the vessel sensors.

To show you the different scripting possibilities the mail will only be send during working days (monday to friday) and during working hours ( 08h00 → 17h).

### 4.2 Script

Init Section

```
REM Activation of Timer 1 executed each 60 seconds
TSET 1,60

REM Trigger of the GetTime section
ONTIMER 1, "Goto GetTime"

END
```

GetTime Section (User Section)

```
GetTime:
A$ = TIME$
REM Get the day of the week
a% = DOW A$
REM Get the hour value
b% = VAL(A$(12 TO 13))
REM Get the minute value
c% = VAL(A$(15 TO 16))
```

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```

REM Check if action must be done
REM Check Day of the week
IF ((a% > 0) AND (a% < 6)) THEN
  REM Check hour of the day
  IF ((b% >= 8) AND (b% <= 17)) THEN
    REM Check minute of the hour
    IF (c% = 0) THEN
      HourInfo = b%
      Goto SendVesselData
    ENDIF
  ENDIF
ENDIF
ENDIF
END
  
```

### SendVesselData Section (User Section)

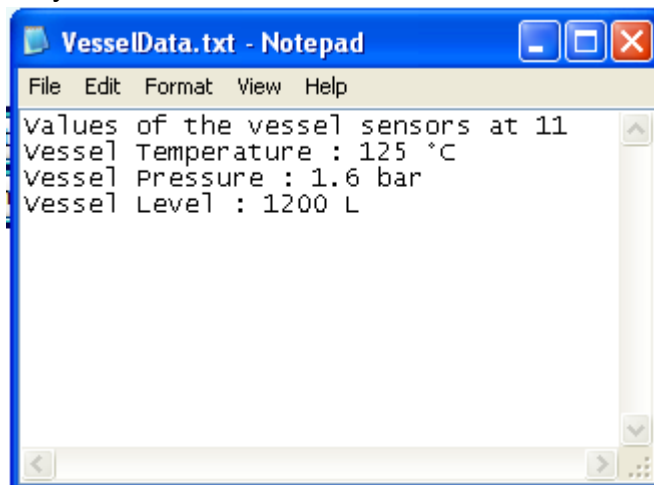
```

SendVesselData:
REM Send mail with text file in attachment
Sendmail "test@test.com", "", "Vessel Sensors Values", "&[&dtUF $fnVesselData.txt]"
REM Send mail with html file in attachment
Sendmail "test@test.com", "", "Vessel Sensors Values", "&[&dtUF $fnVesselData.html]"
END
  
```

## 5 Report result

Once the mail has been send out the user will be able to open following attachments:

Text file received by mail:



HTML file received by mail:

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**Values of the vessel sensors at 11**

Vessel Temperature : 125 °C

Vessel Pressure : 1.6 bar

Vessel Level : 1200 L