

# **File Format of MailConfig.xml**

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SUMMARY: DOCUMENT PERTAINING TO THE FORMAT OF  
MESSAGE SENDER TO SEND E-MAIL, SMS, WITH OR WITHOUT  
MESSAGE TEMPLATE.

## UPDATES

Version	Authors	Actions	Revision	Date	Distribution
1.0	JCW	Created Mail sender E-mail templates		18/05/2006	
2.0	JCW	SMS sender Message templates		18/01/2010	
2.1	JCW	SMS sender DTR flow control		23/03/2011	

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## Format in MailConfig.xml file

The configuration of the e-mail sender, the SMS sender, the message template is saved in MailConfig.xml file.

### Xml snippet:

```
<?xml version="1.0" encoding="iso-8859-1"?>
<!--Message Configuration File-->
<MessageConfig>
  <MailGeneralSettings DefaultTemplateName="" DefaultProfileName=""
DefaultAttachmentEncoding="0" MaxAttachmentSize="1000"
ProhibitedAttachmentFileExtensions="exe,dll,vbs,js" />
  <SmsGeneralSettings DefaultTemplateName="" DefaultProfileName="" />
  <MessageTemplates />
  <MailProfiles />
  <SmsProfiles />
</MessageConfig>
```

## General settings for the e-mail sender: Version 8.10 & later

### Xml snippet:

```
<MailGeneralSettings DefaultTemplateName="" DefaultProfileName=""
DefaultAttachmentEncoding="0" MaxAttachmentSize="1000"
ProhibitedAttachmentFileExtensions="exe,dll,vbs,js" />
```

Element name	Description	T	Size (byte)
MailGeneralSettings	Defines the general settings for the e-mail sender		
Attribute name			
DefaultTemplateName	Defines a default message template to send, this is reserved	C	
DefaultProfileName	Specifies a default e-mail account, the default value is empty ""	C	
DefaultAttachmentEncoding	Specifies a default encoding for the e-mail's attachment, the default encoding value is 0 as MIME	N	

MaxAttachmentSize	Specifies the maximum size for the total size of an e-mail, the default value is "1000"	N	
ProhibitedAttachmentFileExtensions	Prohibits the extension types of files to be sent as an attachment , the default value is "exe,dll,vbs,js"	C	

## Profiles and accounts for the e-mail sender: Version 8.10 & later

### Xml snippet:

```
<MailProfiles>
  <MailProfile Name="EMAILPROFILE1" Description="">
    <MailAccounts>
      <MailAccount Name="ACCOUNT0" Description="" SequenceNumber="1">
        <Sender Address="info@sender.com" DisplayName=" Info Sender" />
        <ReplyTo Address="info@sender.com" />
        <Server Type="0" Host="smtp.sender.com" Port="25" EncryptionMethod="1"
AuthenticationMode="1" UserName="info@sender.com" UserPassword="123456" />
      </MailAccount>
    </MailAccounts>
  </MailProfile>
</MailProfiles>
```

### E-mail profile:

Element name	Description	T	Size (byte)
MailProfile	Defines a profile for the e-mail sender		
Attribute name			
Name	Defines a profile id	C	
Description	Gives a description for the profile	C	
Sub element collections	Includes a collection of MailAccounts for the e-mail sender		

### E-mail account:

## Outgoing mail server settings for Hotmail, GMail, Yahoo! Mail:

Mail Server provider	SMTP server host name	SSL enabled	Port number	Authentication
Hotmail	smtp.live.com	Yes	25 or 587	Use
Gmail	smtp.gmail.com	Yes	465	Use
Yahoo	smtp.mail.yahoo.com	No	25	Not use
Yahoo Plus	plus.smtp.mail.yahoo.com	Yes	465	Use

Element name	Description	T	Size (byte)
MailAccount	Defines an account for the e-mail sender		
Attribute name			
Name	Defines an e-mail account id	C	
Description	Gives a description for the account	C	
SequenceNumber	Specifies the priority. The user can configure several accounts for a profile, but there is only an active account whose sequence number is 1.	N	
Sub-element name			
Sender	Specifies the sender information.		
Attribute name			
Address	Specifies the sender e-mail address	C	
DisplayName	Specifies the friendly server display name	C	

<b>Sub-element name</b>			
ReplyTo	Specifies the information about reply-to of the server		
<b>Attribute name</b>			
Address	Specifies the reply to e-mail address	C	
<b>Sub-element name</b>			
Server	Specifies the information about the outgoing mail server settings		
<b>Attribute name</b>			
Type	Specifies the outgoing server type  0=SMTP	N	
Host	Specifies the SMTP host server name or IP address.  Examples:  smtp.live.com  smtp.gmail.com  smtp.mail.yahoo.com  plus.smtp.mail.yahoo.com	C	
Port	Specifies the server port	N	
EncryptionMethod	Specifies the encryption method for secure e-mail	N	
AuthenticationMode	Specifies SMTP Server Authenticate mode  0 = Anonymous access  1 = cdoBasic	N	
UserName	Specifies the user name	C	
Password	Specifies the password	C	

## General settings for the SMS sender: Version 10.0 & later

### Xml snippet:

```
<SmsGeneralSettings DefaultTemplateName="" DefaultProfileName="" />
```

Element name	Description	T	Size (byte)
SmsGeneralSettings	Defines the general settings for the SMS sender		
Attribute name			
DefaultTemplateName	Defines a default message template to send	C	
DefaultProfileName	Specifies a default SMS account	C	

## Profiles and accounts for the SMS sender: Version 10.0 & later

### Xml snippet:

```
<SmsProfiles>  
  <SmsProfile Name="SMSPROFILE1" Description="">  
    <SmsAccounts>  
      <SmsAccount Name="ACCOUNT0" Description="" SequenceNumber="1">  
        <SerialPort PortName="COM3" BaudRate="115200" Parity="0" DataBits="8"  
StopBits="0" DTRFlowControl="1" Timeout="10000" />  
        <SimCard CheckPin="true" Pin="0000" />  
      </SmsAccount>  
    </SmsAccounts>  
  </SmsProfile>  
</SmsProfiles>
```

### SMS profile:

Element name	Description	T	Size (byte)
SmsProfile	Defines a profile for the SMS sender		
Attribute name			



Name	Defines an SMS profile id	C	
Description	Gives a description for the profile	C	
<b>Sub element collections</b>	Includes a collection of SmsAccounts for the SMS sender		

#### SMS account:

<b>Element name</b>	<b>Description</b>	<b>T</b>	<b>Size (byte)</b>
SmsAccount	Defines an account for the SMS sender		
<b>Attribute name</b>			
Name	Defines an SMS account id	C	
Description	Gives a description for the account	C	
SequenceNumber	Specifies the priority. The user can configure several accounts for a profile, but there is only an active account whose sequence number is 1.	N	
<b>Sub-element name</b>			
SerialPort	Specifies the parameters of the COM serial port		
<b>Attribute name</b>			
PortName*	Sets the port for communications, including but not limited to all available COM ports	C	

BaudRate*	<p>Sets the serial baud rate and must be supported by the user's serial driver.</p> <p>The value can be 110, 300, 600, 1200, 2400, 4800, 9600, 14400, 19200, 38400, 56000, 57600, 115200, 128000, 256000 bits per second (bps). The default is 115200 bps.</p>	N	
Parity*	<p>Sets the parity-checking protocol.</p> <p>The value can be None, Odd, Even, Mark, Space. The default is None.</p>	N	
DataBits*	<p>Sets the standard length of data bits per byte.</p> <p>The range of values is from 5 through 8. The default value is 8.</p>	N	
StopBits*	<p>Sets the standard number of stop bits per byte.</p> <p>The value can be 'One', 'One Point Five', 'Two'. The default value is 'One'.</p>	N	
DTRFlowControl*	<p>Sets the Data-Terminal-Ready flow control.</p> <p>The value can be</p> <p>0: Disables the DTR line when the device is opened and leaves it disabled, e.g Wavecom modem.</p> <p>1: Enables the DTR line when the device is opened and leaves it on, e.g. MultiTech Systems USB GSM_GPRS Wireless Modem - Model: MTCBA-G-U-F4.</p>	N	

Timeout*	Sets the number of milliseconds before a time-out occurs when a write operation does not finish.	N	
<b>Sub-element name</b>			
Simcard	Specifies the parameters for the simcard of the modem.		
<b>Attribute name</b>			
CheckPin*	Needs to check the pin code each time.	N	
Pin*	Sets the pin code of the simcard.	N	

\*The parameter depends on the modem attached to the computer and the mobile phones.

## Message template

### Xml snippet:

```
<MessageTemplates>
  <MessageTemplate Name="MSGTEMPLATE1" Description="">
    <ProfileName Value="" Behavior="0" />
    <Recipients Value="" Behavior="0" />
    <CopyRecipients Value="" Behavior="0" />
    <BlindCopyRecipients Value="" Behavior="0" />
    <Subject Value="" Behavior="0" />
    <Body Value="#@A3 #@A4 #t #T" Behavior="1" />
    <BodyFormat Value="0" Behavior="0" />
    <Priority Value="0" Behavior="0" />
    <MessageEncoding Value="0" Behavior="0" />
    <FileAttachments Value="" Behavior="0" />
    <SmsProfileName Value="SMSPROFILE1" Behavior="1" />
    <SmsRecipients Value="0033687867361" Behavior="1" />
    <SmsFormat Value="0" Behavior="0" />
    <FaxProfileName Value="" Behavior="0" />
    <FaxRecipients Value="" Behavior="0" />
  </MessageTemplate>
</MessageTemplates>
```

<b>Element name</b>	<b>Description</b>	<b>T</b>	<b>Size (byte)</b>
MessageTemplate	Defines a template for the e-mail sender and/or the SMS sender		

<b>Attribute name</b>			
Name	Defines a message template id	N	
Description	Gives a description for the template	N	
<b>Sub-element name</b>			
ProfileName	Specifies an e-mail profile name and the behavior		
<b>Attribute name</b>			
Value	Sets the an e-mail profile name to specify the e-mail outgoing server information	C	
Behavior*	Specifies the behavior at runtime	N	
<b>Sub-element name</b>			
Recipients	Specifies the addresses for the e-mail recipients and the behavior		
<b>Attribute name</b>			
Value	Sets the addresses for the e-mail recipients with the separator semi coma	C	
Behavior*	Specifies the behavior at runtime	N	
<b>Sub-element name</b>			
CopyRecipients	Specifies the addresses for the e-mail copy recipients and the behavior		
<b>Attribute name</b>			

Value	Sets the addresses for the e-mail copy recipients with the separator semi coma	C	
Behavior*	Specifies the behavior at runtime	N	
<b>Sub-element name</b>			
BindCopyRecipients	Specifies the addresses for the e-mail blind copy recipients and the behavior		
<b>Attribute name</b>			
Value	Sets the addresses for the e-mail blind copy recipients with the separator semi coma	C	
Behavior*	Specifies the behavior at runtime	N	
<b>Sub-element name</b>			
Subject	Specifies the subject for an e-mail and/or an SMS and the behavior		
<b>Attribute name</b>			
Value	Sets the subject for an e-mail and/or an SMS	C	
Behavior*	Specifies the behavior at runtime	N	
<b>Sub-element name</b>			
Body	Specifies the body message for an e-mail and/or an SMS and the behavior		
<b>Attribute name</b>			

Value	Sets the body message for an e-mail and/or an SMS	C	
Behavior*	Specifies the behavior at runtime	N	
<b>Sub-element name</b>			
BodyFormat	Specifies the body format for an e-mail and the behavior		
<b>Attribute name</b>			
Value	Sets the body format for an e-mail	C	
Behavior*	Specifies the behavior at runtime	N	
<b>Sub-element name</b>			
Priority	Specifies the priority for an e-mail and the behavior		
<b>Attribute name</b>			
Value	Sets the priority for an e-mail	C	
Behavior*	Specifies the behavior at runtime	N	
<b>Sub-element name</b>			
MessageEncoding	Specifies the body message encoding for an e-mail and the behavior		
<b>Attribute name</b>			
Value	Sets the body message encoding for an e-mail	C	
Behavior*	Specifies the behavior at runtime	N	
<b>Sub-element name</b>			

FileAttachments	Specifies the attachments for an e-mail and the behavior		
<b>Attribute name</b>			
Value	Sets the attachments for an e-mail	C	
Behavior*	Specifies the behavior at runtime	N	
<b>Sub-element name</b>			
SmsProfileName	Specifies an SMS profile name and the behavior		
<b>Attribute name</b>			
Value	Sets an SMS profile name	C	
Behavior*	Specifies the behavior at runtime	N	
<b>Sub-element name</b>			
SmsRecipients	Specifies the mobile phone numbers for the SMS recipients and the behavior		
<b>Attribute name</b>			
Value	Sets the mobile phone numbers for the SMS recipients with the separator semi coma	C	
Behavior*	Specifies the behavior at runtime	N	
<b>Sub-element name</b>			
SmsFormat	Specifies the format for an SMS and the behavior		
<b>Attribute name</b>			
Value	Sets the format for an SMS	C	

Behavior*	Specifies the behavior at runtime	N	
<b>Sub-element name</b>			
FaxProfileName	Specifies a fax profile name and the behavior		
<b>Attribute name</b>			
Value	Sets a fax profile name	C	
Behavior*	Specifies the behavior at runtime	N	
<b>Sub-element name</b>			
FaxRecipients	Specifies the fax numbers for the fax recipients and the behavior		
<b>Attribute name</b>			
Value	Sets the fax numbers for the fax recipients with the separator semi coma	C	
Behavior*	Specifies the behavior at runtime	N	

**\*Specifies the behavior of the associated template element when the template is used. The following list shows the possible values:**

**"0"** specifies that the template element is not defined. The Value attribute is not used. This is the default value.

**"1"** specifies that the template element is defined and cannot be overridden when the template is used. The Value attribute must be defined.

**"2"** specifies that the template element is defined and can be overridden when the template is used. The Value attribute is used as a default value.