

# Aras Innovator

## Sample Code



## Email Related Files to Creator

**Versions Supported:** 9.3.0  
**Last Modified:** 7/11/2011

# ARAS CORPORATION

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Aras Corporation  
300 Brickstone Square  
Suite 904  
Andover, MA 01810

Phone: 978-691-8900  
Fax: 978-794-9826

E-mail: [Support@aras.com](mailto:Support@aras.com)  
Website: <http://www.aras.com>

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# 1 Overview

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Utilization of the `System.Net.Mail.MailMessage` class within Aras Innovator can be utilized to create custom Emails to send to specific users by using a Server-Side method.

The method code provided in this sample is used to send an Email to a Document create containing all related files as attachments to the email. This method is then called from a Server Side action against the Document Item.



## 2 Installation

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Use the following steps to create a server-side (C#) method that will be called from an Item action against the Document ItemType. Ensure that all user's have a valid Email Address.

- 1) Log into Aras Innovator as an Administrator
- 2) From the TOC select Administration->Methods and create a new Server-Side, C# method
  - a. Name=Email\_files\_to\_creator
  - b. Copy the method code from the appendix
- 3) Save, Unlock and close Email\_files\_to\_creator
- 4) From the TOC select Administration->ItemTypes and open Document for edit
  - a. Select the Actions tab and Create a new action
    - i. Name = Email Doc to Creator
    - ii. Type = Item
    - iii. Location = Server
    - iv. Method = Email\_files\_to\_creator
    - v. Target = None
- 5) Save, Unlock and Close Document

Once the action has been created you will be able to select a single document to run the action. Execution of the action will send an HTML email to creator containing all related files as attachments.



## 3 Appendix

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### Method Code

```
Innovator inn=this.getInnovator();
string tempDir = "C:\\temp\\ArasEmail\\";

Item doc= inn.newItem("Document","get");
Item docFile = inn.newItem("Document File","get");
Item file = inn.newItem("File","get");

doc.setID(this.getID());
doc.setAttribute("select","created_by_id,item_number,description,state");
doc.addRelationship(docFile);
docFile.setRelatedItem(file);
doc=doc.apply();

docFile = doc.getRelationships("Document File");

Item innAdm= inn.newItem("User","get");
innAdm.setAttribute("select","first_name,last_name,email");
innAdm.setProperty("login_name","admin");
innAdm=innAdm.apply();
Item toUser= inn.newItem("User","get");
toUser.setAttribute("select","email");
toUser.setID(doc.getProperty("created_by_id"));
toUser=toUser.apply();

string from_user=innAdm.getProperty("email");
string from_userN = innAdm.getProperty("first_name")+ " " +
innAdm.getProperty("last_name");
string to_user=toUser.getProperty("email");
string emBody= "<body>Document Number: " + doc.getProperty("item_number") +
"<br>State: ";
emBody += doc.getProperty("item_number") + "<br>Description" +
doc.getProperty("item_number") + "</body>";

System.Net.Mail.MailAddress SendFrom = new
System.Net.Mail.MailAddress(from_user,from_userN);
System.Net.Mail.MailAddress SendTo = new
System.Net.Mail.MailAddress(to_user);
System.Net.Mail.MailMessage MyMessage = new
System.Net.Mail.MailMessage(SendFrom, SendTo);
MyMessage.Subject = "Files for Document Number: " +
doc.getProperty("item_number");
MyMessage.IsBodyHtml = true;
MyMessage.Body = emBody;

if (docFile.getItemCount()>0)
{
    string[] fileArr = new string[docFile.getItemCount()];
    for (int i=0;i<docFile.getItemCount();i++)
    {
        Item f = docFile.getItemByIndex(i).getRelatedItem();
```



```

        f.checkout(tempDir);

        string sAttach =tempDir + f.getProperty("filename");
        System.Net.Mail.Attachment myAttachment = new
System.Net.Mail.Attachment(sAttach);
        MyMessage.Attachments.Add(myAttachment);
        fileArr[i]=sAttach;
    }
    CCO.Email.setup_smtpmail_server_and_send(MyMessage);
    System.Threading.Thread.Sleep(2000);
    MyMessage.Attachments.Dispose();
    for (int j=0;j<docFile.getItemCount();j++)
    {
        FileInfo fileInfo = new FileInfo(fileArr[j]);
        fileInfo.Delete();
    }
}
return this;

```

