

OAF Page to Upload Files into Server from local Machine

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1. Create a New Workspace and Project

File > New > General > Workspace Configured for Oracle Applications

File Name – MahiFileUploadDemo

Automatically a new OA Project will also be created

Project Name -- FileUploadDemo

Default Package -- Mahi.oracle.apps.fnd.fileuploaddemo

2. Create a New Application Module (AM)

Right Click on FileUploadDemo > New > ADF Business Components > Application Module

Name -- FileUploadAM

Package -- Mahi.oracle.apps.fnd.fileuploaddemo.server

Check Application Module Class: FileUploadAMImpl Generate JavaFile(s)

3. Create a New Page

Right click on FileUploadDemo > New > Web Tier > OA Components > Page

Name -- FileUploadPG

Package -- Mahi.oracle.apps.fnd.fileuploaddemo.webui

4. Select the FileUploadPG and go to the structure pane where a default region has been created

5. Select region1 and set the following properties --

Attribute	Property
ID	PageLayoutRN
AM Definition	Mahi.oracle.apps.fnd.fileuploaddemo.server.FileUploadAM
Window Title	Uploading File into Server from Local Machine Demo Window
Title	Uploading File into Server from Local Machine Demo

6. Create messageComponentLayout Region Under Page Layout Region

Right click PageLayoutRN > New > Region

Attribute	Property
ID	MainRN
Item Style	messageComponentLayout

7. Create a New Item messageFileUpload Bean under MainRN

Right click on MainRN > New > messageFileUpload

Set Following Properties for New Item --

Attribute	Property
ID	MessageFileUpload
Item Style	messageFileUpload

8. Create a New Item Submit Button Bean under MainRN

Right click on MainRN > New > messageLayout

Set Following Properties for messageLayout --

Attribute	Property
ID	ButtonLayout

Right Click on ButtonLayout > New > Item

Attribute	Property
ID	Submit
Item Style	submitButton
Attribute Set	/oracle/apps/fnd/attributesets/Buttons/Go

9. Create Controller for page FileUploadPG

Right Click on PageLayoutRN > Set New Controller

Package Name: Mahi.oracle.apps.fnd.fileuploaddemo.webui

Class Name: FileUploadCO

Write Following Code in FileUploadCO processFormRequest

```
import oracle.cabo.ui.data.DataObject;
import java.io.FileOutputStream;
import java.io.InputStream;
import oracle.jbo.domain.BlobDomain;
import java.io.File;
import oracle.apps.fnd.framework.OAException;

public void processFormRequest(OAPageContext pageContext, OAWebBean webBean)
{ super.processFormRequest(pageContext, webBean);

if(pageContext.getParameter("Submit")!=null)
{
  upLoadFile(pageContext,webBean);
}
}
```

CODE #1 -- If Page has not deployed at instance, testing at Local Machine, use following Code

```
public void upLoadFile(OAPageContext pageContext,OAWebBean webBean)
{ String filePath = "D:\\Mahi";
System.out.println("Default File Path---->"+filePath);

String fileUrl = null;
try
{
DataObject fileUploadData = pageContext.getNamedDataObject("MessageFileUpload");
```

```

//FileUploading is my MessageFileUpload Bean Id
if(fileUploadData!=null)
{
String uFileName = (String)fileUploadData.selectValue(null, "UPLOAD_FILE_NAME");
String contentType = (String) fileUploadData.selectValue(null, "UPLOAD_FILE_MIME_TYPE");
System.out.println("User File Name---->"+uFileName);

FileOutputStream output = null;
InputStream input = null;

BlobDomain uploadedByteStream = (BlobDomain)fileUploadData.selectValue(null, uFileName);
System.out.println("uploadedByteStream---->"+uploadedByteStream);

File file = new File("D:\\Mahi", uFileName);
System.out.println("File output---->"+file);

output = new FileOutputStream(file);

System.out.println("output---->"+output);
input = uploadedByteStream.getInputStream();

System.out.println("input---->"+input);
byte abyte0[] = new byte[0x19000];
int i;

while((i = input.read(abyte0)) > 0)
output.write(abyte0, 0, i);

output.close();
input.close();
}
}
catch(Exception ex)
{
throw new OAException(ex.getMessage(), OAException.ERROR);
}
}

```

CODE #2 -- If Page has been Deployed at Instance, Use Following Code

```

public void upLoadFile(OAPageContext pageContext,OAWebBean webBean)
{ String filePath = "/u01/app/apnac03r12/Mahi/";
System.out.println("Default File Path---->"+filePath);

```

```

String fileUrl = null;
try
{
    DataObject fileUploadData = pageContext.getNamedDataObject("MessageFileUpload");

//FileUploading is my MessageFileUpload Bean Id
if(fileUploadData!=null)
{
    String uFileName = (String)fileUploadData.selectValue(null, "UPLOAD_FILE_NAME");
    String contentType = (String) fileUploadData.selectValue(null, "UPLOAD_FILE_MIME_TYPE");
    System.out.println("User File Name---->"+uFileName);

    FileOutputStream output = null;
    InputStream input = null;

    BlobDomain uploadedByteStream = (BlobDomain)fileUploadData.selectValue(null, uFileName);
    System.out.println("uploadedByteStream---->"+uploadedByteStream);

    File file = new File("/u01/app/apnac03r12/Mahi", uFileName);
    System.out.println("File output---->"+file);

    output = new FileOutputStream(file);

    System.out.println("output---->"+output);
    input = uploadedByteStream.getInputStream();

    System.out.println("input---->"+input);
    byte abyte0[] = new byte[0x19000];
    int i;

    while((i = input.read(abyte0)) > 0)
    output.write(abyte0, 0, i);

    output.close();
    input.close();
}
}
catch(Exception ex)
{
    throw new OAException(ex.getMessage(), OAException.ERROR);
}
}

```