How to upload and download file using Webdynpro Technology



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Explorer

Options

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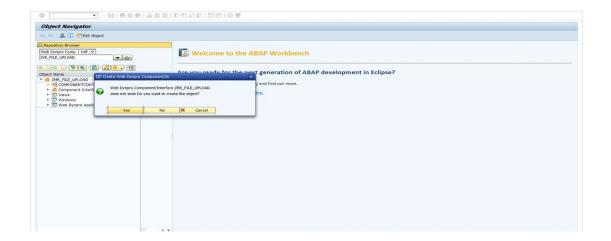
Introduction

In this Blog will see how to upload and download file using webdynpro technology.

Follow the following steps as shown below.

File Upload

Go to SE80 T-code, in that Repository Brower select Web Dynpro Comm. / Intf. And give the name, discription & save it as shown below.



Go to views -> context , right click on context ->create->node.

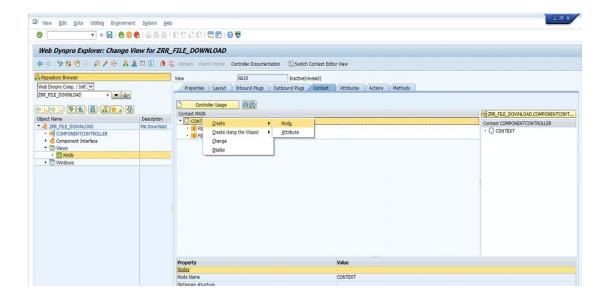
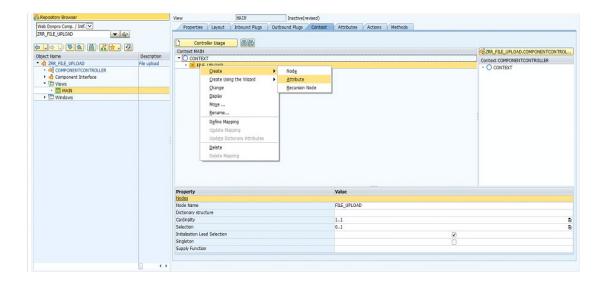


fig-2

Right click on node-> create-> attribute.



Create 3 attributes as mentioned below

Туре	Attribute name
Xstring	Content
String	File_name
String	Mime_type

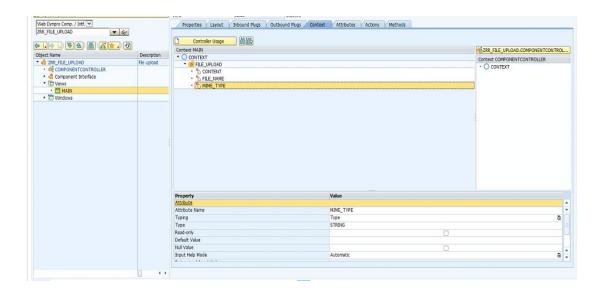
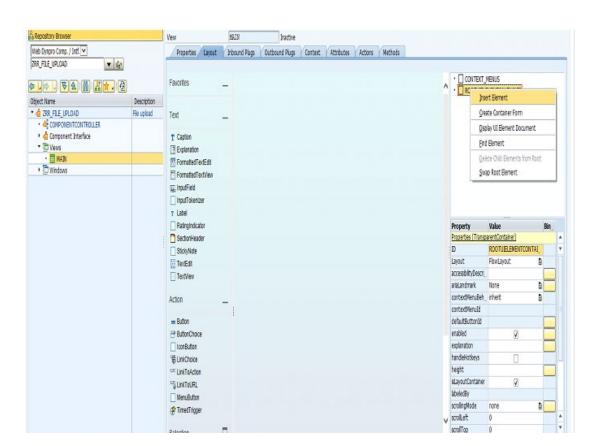


fig-4

Go to layout, right click on rootelementcontainer->insert element.



Create the element as shown below.

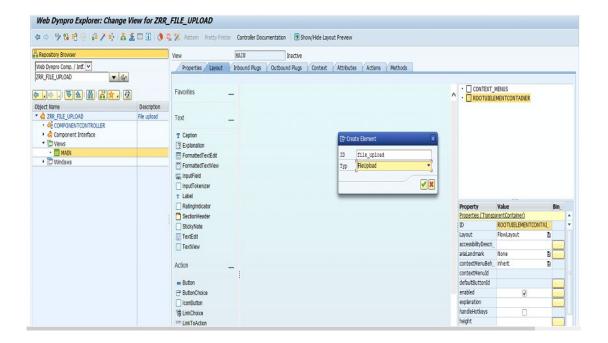


fig-6

In property bind data to content, filename to file_name and mimetype to mime_type as shown below.

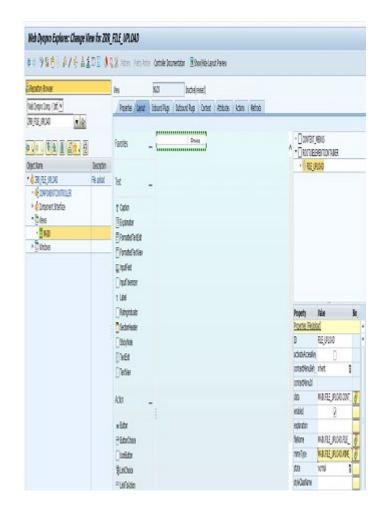
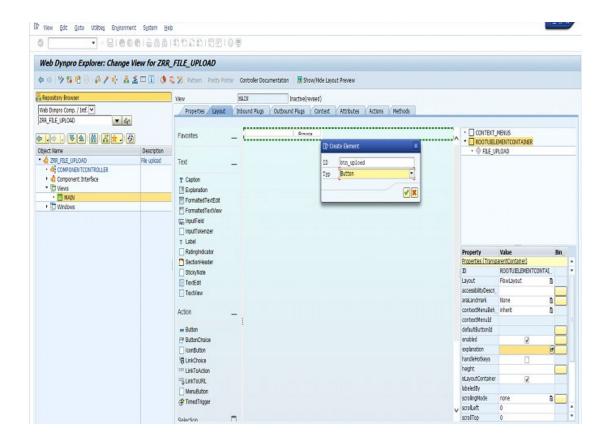


fig-7

Again right click on rootelementcontainer -> create one more element as shown below.



Provide the text for the button in the property.

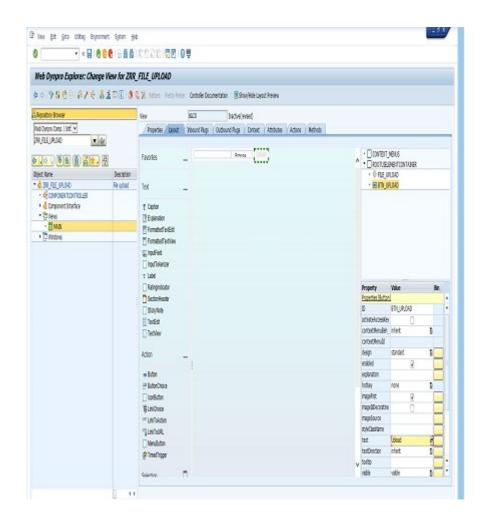


fig-9

Click on Onaction event property.

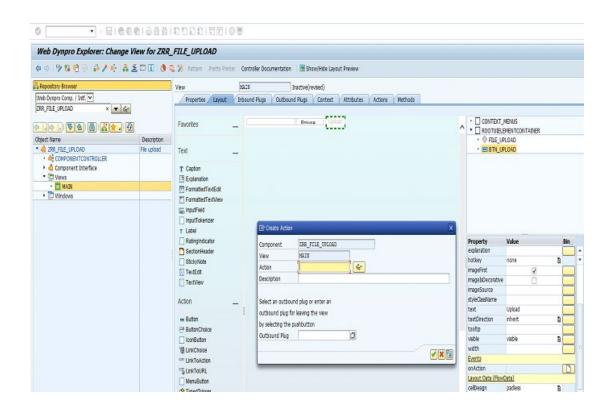
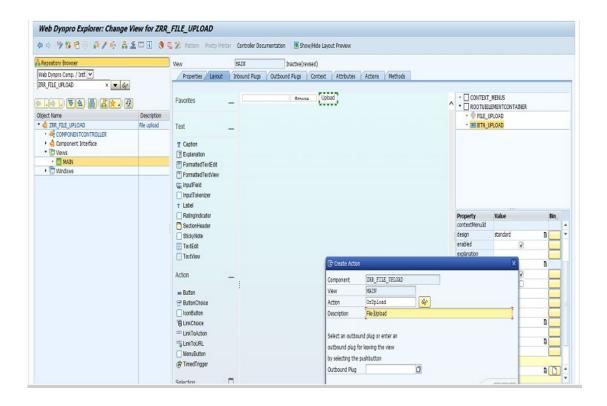


fig-10

Create on upload event as shown.



Go to methods tab there a method will be created with your event name of type event handler. Double click on that method(onactiononupload).

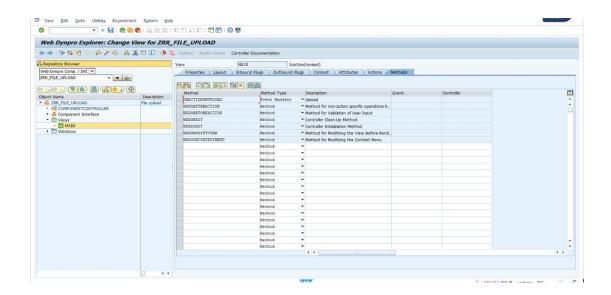
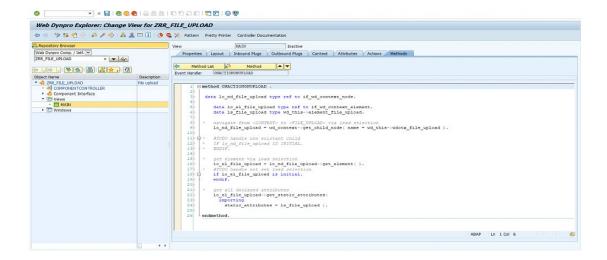


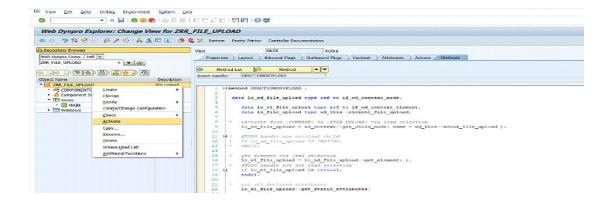
fig-12

Write the following code in that method.



Method ONACTIONONUPLOAD.

```
data lo_nd_file_upload type ref to if_wd_context_node.
                              data lo_el_file_upload type ref to if_wd_context_element.
                                data ls_file_upload type wd_this->element_file_upload.
                        navigate from <CONTEXT> to <FILE_UPLOAD> via lead selection
lo_nd_file_upload = wd_context->get_child_node( name = wd_this->wdctx_file_upload ).
                                                   * @TODO handle non existant child
                                                      * IF lo_nd_file_upload IS INITIAL.
                                                                              * ENDIF.
                                                       * get element via lead selection
                                 lo_el_file_upload = lo_nd_file_upload->get_element().
                                               * @TODO handle not set lead selection
                                                           if lo_el_file_upload is initial.
                                                                                 endif.
                                                             get all declared attributes
                                               lo_el_file_upload->get_static_attributes(
                                                                             importing
                                                    static_attributes = ls_file_upload ).
                                                                           Endmethod.
                           Before activating the method activate the webdynpro object.
```



Then activate the method. Create the webdynpro application.

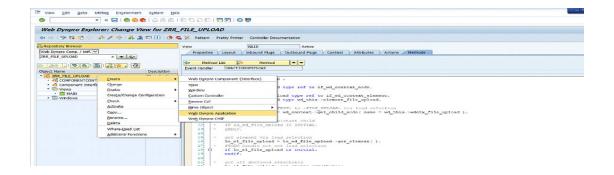


fig-15

Give description and save it in your package.

Repository Browser		Application	ZRR_FILE_UPLO	AD	Saved	
Web Dynpro Comp. / Intf. 🗸		Properties	Parameters			
ZRR_FILE_UPLOAD × ▼ &						
		Description	File upload			Ī
(=		Component	ZRR_FILE_UPL	OND		
Object Name	Description	Interface View	ZRR FILE UPL	OAD		
▼ 👶 ZRR_FILE_UPLOAD	File upload	Plug Name	DEFAULT			
GOMPONENTCONTROLLER GComponent Interface		Help Links	TOUR TOUR			
• © Views		Authorization Check				
· 🖾 MAIN						
• Windows		Check for Application				
▼ Web Dynpro Applications		Check for Application and Application Configuration				
 ZRR_FILE_UPLOAD 	File upload					
		Handling of Messages Show Message Component on Demand				
	Always Display I	Message Compon	ent			
		Administrative Dat	а			
		Created By	HANAUSER3	Created on	09.04.2022	
		Last Changed By		Changed On		
		Package	ZSENORITA			
		Language	EN			
		URL	http://ecchana.sapdemp.com:8059/s		8057/sap/bc/webdynpro/sap/z	rr file unload
			merpi) / commensuparations con / sup/ so/ wesagispeo/ sup			

Click on webdynpro application and click on execute.

Following output screen will appear

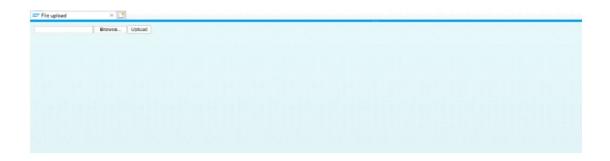


fig-17

Click on browse and choose the file to be uploaded. In debugging you can see the content, filename and mimetype.

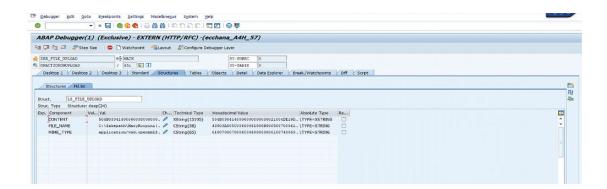
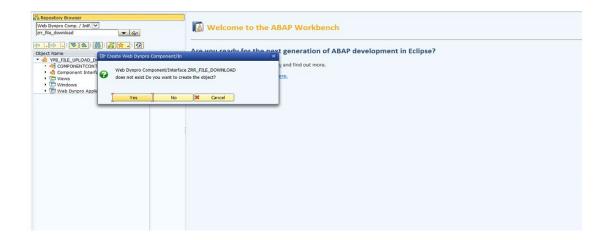


fig-18

File Download

Go to SE80 T-code, in that Repository Brower select Web Dynpro Comm. / Intf. And give the name, discription & save it as shown below.



Go to views -> context, right click on context ->create->node.

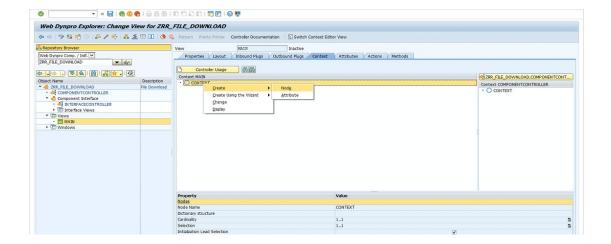
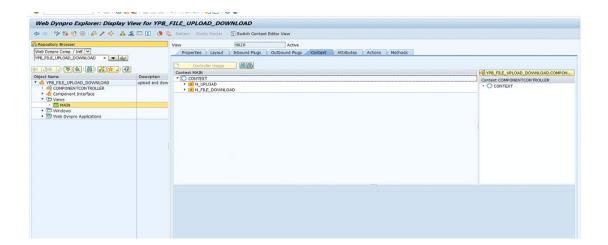


fig-20

Create two nodes as mentioned.



Right click on node and create the following attributes under each node

Node – n_upload

Туро	Attribute name
e Strin	File_name

File_type	String
File_size	String
File_contents	Xstring

Node – n_file_download