# Uploading files

In order to upload files into a Servoy solution using a custom webcomponent here are the steps you should do :

- add a dataprovider type to the component spec, with 'pushToServer' support and 'ondatachange' callback:

```
"file": {
    "type": "dataprovider",
    "pushToServer": "allow",
    "ondatachange": { "onchange": "onDataChangeMethodID", "callback": "onDataChangeCallback" }
}
```

- add an  'ondatachange' handler to the component spec:

```
"onDataChangeMethodID" : {
    "returns": "boolean",

    "parameters": [
        {
            "name":"oldValue",
            "type":"${dataproviderType}"
        },
        {
            "name":"newValue",
            "type":"${dataproviderType}"
        },
        {
            "name":"event",
            "type":"JSEvent"
        }
    ]
}
```

- add a 'multipart/form-data' 'form' element to the component markup, that will be used to post the files to the server;
  the action of the form must be :  "resources/upload/application_session_id/form_name/element_name/property_name", this can be build
  up in the component's controller code like : "resources/upload/" + $sabloApplication.getSessionId() + "/" + $scope.$parent.formname + "/"
  + $attrs.name + "/file" ("file" is the name of the dataprovider from the model):

```
<form action="resources/upload/35400153-e5d3-41cb-8032-3b4f91459aca/test/fileupload/file" method="
post" enctype="multipart/form-data">
```

- bind a form variable of type 'media' to the 'file' property of the component, let's say named 'm'; additionally create a form variable of type
  'string' with name 'm_filename' and another of the same type named 'm_mimetype', that can be used to get the uploaded file name and
  mime type;
- 'ondatachange' of the component will be called with the uploaded file's byte array; if you also created the additional form variables for the
  file name and mime type, those are already set to the right values of the upload;