

# 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;