



(Un)documented Features & Tips

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Convert XML to JSON

Use Node.js module and JavaScript Worker

- Call method in Node.js module:

```
...\AppData\Local\Omnis Software\OS 10.2 31315\jsworker\omnis_xml2js.js
```

Do `ioJsWorker.$callmethod('xml2js','xml2js',row,kTrue,errortext)` Returns ok



JS Paged Pane \$dataname property

Display different pages in Complex Grid rows

- Set \$dataname of Paged Pane to column in list used to build the Complex Grid
- \$currentpage is set automatically depending on the value in the list column
- Controls within the Page Pane will also get their data from the Complex Grid list



List Line Colors

Override default list line background color

- Set `$linebackgroundcol` to column number in the data list for the control that contains color values
- Available for thick client Headed Lists, List Boxes and Checkbox Lists



Copy Properties

...of a control and apply them to another

- Use 'Copy Properties' and 'Paste Properties' option in the Property Manager
- Only those generic properties are copied that are contained in source and target control



logToFile Component

Method execution logging

- External component in:
`C:\Program Files\Omnis Software\OS 10.2 31315\logcomp\logtofile.dll`
- Creates log file(s) in:
`...\AppData\Local\Omnis Software\OS 10.2 31315\logs\omnis_....log`
- Configure in config.json: Add string 'seqnlog' to array 'datatolog' in 'log' section
- `Do sys(3000)` - writes method execution log to new log file instead of old sequence log file



Rotate Data Grid

Transpose row to column in thick client Data Grid

- Call method \$vertical:

```
Do $cinst.$objs.DataGrid.$vertical()
```



Clickable Report fields

Perform action when clicking a field in Page Preview

- Use External Components: HTML Icon (Link), HTML Picture (Link), or HTML Text (Link)
- Set \$address property to: omnis:p1,p2,p3
- \$previewurlclicked method in task will be called



Use webcam and take photo

Capture picture from webcam in JS Remoteforms

- JS Wrapper: Device Control \$action: kJSDeviceActionTakePhoto
- JS Remoteforms / web browser: Use third party JavaScript Library, e.g. Webcam.js
- Webcam.js - info and download: <https://makitweb.com/how-to-capture-picture-from-webcam-with-webcam-js/>



Use webcam and take photo

Capture picture from webcam in JS Remoteforms

- Copy 'webcamjs' folder to:
...\\AppData\\Local\\Omnis Software\\OS 10.2 31315\\html\\
- Include webcam.min.js in Remoteform's .htm page:
`<script type="text/javascript" src="webcamjs/webcam.min.js"></script>`
- Alternatively include webcam.min.js in Remoteform's \$init method:
`JavaScript:$('<script type="text/javascript" src="webcamjs/webcam.min.js"></script>').appendTo("head");`



Use webcam and take photo

Capture picture from webcam in JS Remoteforms

- Init webcam and take photo via Webcam.js functions:
`JavaScript: Webcam.set();`
`JavaScript: Webcam.snap();`
- Use Omnis control as container for webcam field:
`JavaScript: Webcam.attach('jsPhotoWebcam_1005_client');`
- Get image into an Omnis variable and display it in Picture control



Use webcam and take photo

Capture picture from webcam in thick client

- Use oBrowser control to display RemoteForm
- Set chromium command line flag in:

```
...\AppData\Local\Omnis Software\OS 10.2 31315\studio\config.json
```

```
"obrowser": {  
  "cefSwitches": [  
    "use-fake-ui-for-media-stream"  
  ],  
}
```



MP3 files

Play MP3 files in JS and Thick-Client

- JS Client:

```
Do $cinst.$clientcommand("playsound",row('MyFile.mp3'))
```

- Thick Client:

```
Do $cinst.$objs.browser.$urlorcontrolname.$assign(PathToMp3)
```



Any questions?





Stay in touch

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