

TIFF

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# TIFF

# 가

: /HTML5/OSS/tiff\_preview

- [tiff\\_preview.xml](#)
- [tiff\\_preview.js](#)
- [tiff\\_preview.css](#)

```
/**
 *
 * 2022.07.06
 */
this.objTiffFile = null;

//
function screen_on_load()
{
    // tiff.min.js
    this.loadTiffLib();

    // TIFF URL
    this.fld_text_multi.settext("./ext/media/multipage.tif");
}

/**
 * tiff.min.js
 */
function loadTiffLib()
{
    // TIFF ( )
    // tiff.min.js
    // https://github.com/seikichi/tiff.js/blob/master/README.md
    screen.loadjs("./ext/lib/tiff.min.js");

    //
    // When you load large tiff file, you will see the error message "Cannot
    enlarge memory arrays in asm.js"
    // in such case, please call 'Tiff.initialize({TOTAL_MEMORY: ... })'
    before you create a Tiff instance
}
```

```

    Tiff.initialize({ TOTAL_MEMORY: 16777216 * 10 });
}

/**
 * URL File . (promise )
 * @param {string} AUrl 가 URL
 * @returns {promise} File Object .
 */
function getFileFromURL(image_url) {
    var sFileName, xhr;

    // 가 XMLHttpRequest
    xhr = new XMLHttpRequest();

    // URL
    sFileName = image_url.split("/").pop();

    return new Promise(function (resolve, reject) {
        // ASYNC XMLHttpRequest open
        xhr.open("GET", image_url, true);

        // BLOB
        xhr.responseType = "blob";

        //
        xhr.onload = function (event) {
            // 가 .
            resolve(new File([event.target.response], sFileName));
        };

        //
        xhr.onerror = function (event) {
            // 가 .
            reject();
        };

        // XMLHttpRequest send
        xhr.send();
    });
}

/**
 * Tiff File .
 * @param {File} ATiffFileObj Tiff
 */
function getDataURITiffFromFile(ATiffFileObj)
{
    var _this;

    _this = this;

    // Protect

```

```

screen.setScreenProtect(true, 30);

// Tiff
this.xdImage.init();

return new Promise(function (resolve, reject) {
    var reader = new FileReader();
    reader.onload = function (e) {
        var buffer = e.target.result;
        var tiffImage = new Tiff({ buffer: buffer });
        var intImageCount = tiffImage.countDirectory();

        //          Loop          (xdImage)
        for (i = 0; i < intImageCount; i++) {
            tiffImage.setDirectory(i);
            _this.xdImage.addRow(false);
            _this.xdImage.setData(i, 0, tiffImage.toDataURL(), false);
            _this.xdImage.setData(i, 1, (i + 1).toString(10), false);
            _this.xdImage.setData(i, 2, tiffImage.width(), false);
            _this.xdImage.setData(i, 3, tiffImage.height(), false);
        }

        //
        _this.xdImage.fireEvent();

        // Tiff
        tiffImage.close();

        //
        _this.lvImageLists.setSelectedItem(0, true);
        _this.lvImageLists.setFocus();
        resolve();
    }.bind(_this);

    reader.readAsArrayBuffer(ATiffFileObj);
});
}

// "          "
function btn_load_imageMulti_on_mouseup(objInst)
{
    var _this;

    _this = this;

    // URL File          . (promise )
    getFileFromURL(this.fld_text_multi.getText()).then(function
(AObjTiffFile) {
        _this.objTiffFile = AObjTiffFile;

        _this.getDataURITiffFromFile(AObjTiffFile).then(function () {

```

```
        screen.setscreenprotect(false);

        _this.FitLeftImageSize();

        console.log("        ");
    });
}.bind(this)).catch(function () {
    screen.alert("        ");
});
}

// "        "        ,        PC
function btnSelectTiffFile_on_mousedown(objInst) {
    // File
    //        on_selectfiles
    "objFile_on_selectfiles"
    this.objFile.selectfiles("image/tiff", false);
}

//
//        fit        .(        IE        .)
function FitLeftImageSize() {
    //
    //        fit        .(        IE        .)
    for (var i = 0; i < this.imgSmall.length; i++) {
        // fit
        // The CSS object-fit property is used to specify
        // how an <img> or <video> should be resized to fit its container.
        // contain - The image keeps its aspect ratio, but is resized to fit
within the given dimension
        $(this.imgSmall[i].getdom().children[0]).css('object-fit',
'contain');
    }
}

//
function objFile_on_selectfiles(objInst, arrFiles) {
    var _this;

    _this = this;

    if (arrFiles != null) {
        //        objTiffFile
        this.objTiffFile = arrFiles[0];

        //
        this.getDataURITiffFromFile(arrFiles[0]).then(function () {
            screen.setscreenprotect(false);

            _this.FitLeftImageSize();

            console.log("        ");
        });
    }
}
```

```
    });
  }
}

//
function fldFocus_on_prekeydown(objInst, index, keycode, bctrldown,
bshiftdown, baltdown, bnumpadkey) {
  //
  if (keycode == 40) {
    if (index < (this.lvImageLists.getitemcount() - 1)) {
this.lvImageLists.setselecteditem(index + 1, true); }
  }
  else if (keycode == 38) {
    if (index > 0) { this.lvImageLists.setselecteditem(index - 1, true); }
  }
  return 0;
}

//
function lvImageLists_on_itemchange(objInst, nPrevIndex, nCurrIndex) {
  //
  if (nPrevIndex != -1) { this.rectBack[nPrevIndex].settransparent(true); }

  // this.imgFullView.setwidth(this.imgSmall[nCurrIndex].getimagewidth());
  //
this.imgFullView.setheight(this.imgSmall[nCurrIndex].getimageheight());

  //
  this.imgFullView.setwidth(this.xdImage.getdata(nCurrIndex, 2));
  this.imgFullView.setheight(this.xdImage.getdata(nCurrIndex, 3));

  //
  this.rectBack[nCurrIndex].settransparent(false);

  //
  this.fldFocus[nCurrIndex].setfocus();
}

//
function lvImageLists_on_itemclick(objInst, nItemIndex, objChildInst) {
  //
  if (nItemIndex >= 0) { this.fldFocus[nItemIndex].setfocus(); }
}

// " "
function btnPrint_on_mouseup(objInst)
{
  var arrHtml = [];

  arrHtml.push("<html>");
}
```

```
// 2022.07.06      CSS   가
    arrHtml.push("<style>");

/* 2022.07.06
    arrHtml.push("@page {");
    arrHtml.push("  margin: 0mm 0mm 0mm 0mm;");
    arrHtml.push("}");
*/

    arrHtml.push(".imgData {");
    arrHtml.push("  object-fit: contain;");
    arrHtml.push("  width: 100%;");
    // arrHtml.push("  height: 100%;");
    arrHtml.push("  display: block;");
    arrHtml.push("}");

    arrHtml.push("@media print{");
    arrHtml.push("  .imgData {");
    arrHtml.push("    page-break-after: always;");
    arrHtml.push("  }");
    arrHtml.push("}");

    arrHtml.push("</style>");
// 2022.07.06      CSS   가

    // HTML
    arrHtml.push("<body onload='window.print()>");

    //      DOM   가
    for (var i = 0; i < this.xdImage.getrowcount(); i++) {
        // 2022.07.06      class
        arrHtml.push('');
        // 2022.07.06      class
    }

    arrHtml.push("</body>");
    arrHtml.push("</html>");

    this.webPrint.sethtml(arrHtml.join("\r\n"));
}

// "      "
function btnSaveFile_on_mouseup(objInst)
{
    if (this.objTiffFile == null) {
        screen.alert("      가      .");
        return;
    }

    screen.savefile(this.objTiffFile);
```



}

From:

<http://technet.softbase.co.kr/wiki/> - **xFrame5 TechNet**

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