

Last update: 2023/10/30

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/ .
 Promise async, await (ECMAScript (ECMA-262)
 .
 API async function , await API
 .
 API IE .
 API . (
 on_itemcreate .)
 API 가 .
 API addtab, addtabsync, addportlettab, addportlettabsync가 .
 on_itemcreate가 .

: /HTML5/SCREEN/SYNC/sync_addtab

- [sync_addtab.xml](#)
- [sync_addtab.js](#)
-

```

var SCREEN_BASE_DIR = "/HTML5/SCREEN/SYNC/";

//
function screen_on_load()
{
    factory.showconsoletrace(true);
}

//
function tab_link_on_itemcreate(objInst, itemindex)
{
    var log_prefix, link_screen;
  
```

```

log_prefix = "mainscreen:tab_on_itemcreate> ";

factory.consoleprint(log_prefix + "start");
factory.consoleprint(log_prefix + "itemindex = " + itemindex);

//                                URL
link_screen = this.tab_link.getchildscreeninstance(itemindex);
if (factory.isobject(link_screen) == true) {
    factory.consoleprint(log_prefix + "screen = " +
link_screen.getscreenurl());
}

factory.consoleprint(log_prefix + "end");
}

////////////////////////////////////
//
////////////////////////////////////

// "addtab" ( )
function btn_addtab_on_mouseup(objInst)
{
    var log_prefix, tab_index;

    log_prefix = "mainscreen:addtab> ";

//
factory.consoleprint(log_prefix + "before addtab");
tab_index = this.tab_link.addtab("ASYNC_SCREEN", 1, 160,
    SCREEN_BASE_DIR + "business_screen", true);
factory.consoleprint(log_prefix + "after addtab");
factory.consoleprint(log_prefix + "tab_index = " + tab_index);
}

// "addtabsync screen" ( )
async function btn_addtabsync_on_mouseup(objInst)
{
    var tab_index, link_screen, log_prefix;

    log_prefix = "mainscreen:addtabsync> ";

//    SYNC
factory.consoleprint(log_prefix + "before addtabsync");
tab_index = await this.tab_link.addtabsync("SYNC_SCREEN", 1, 160,
    SCREEN_BASE_DIR + "business_screen", true);
factory.consoleprint(log_prefix + "after addtabsync");
factory.consoleprint(log_prefix + "tab_index = " + tab_index);

// addtabsync 가 ,
// 가 .
link_screen = this.tab_link.getchildscreeninstance(tab_index);

```

```
    if (factory.isobject(link_screen)) {
        factory.consoleprint(log_prefix + "screen = " +
link_screen.getscreenurl());
    }
}

// "addportlettab portlet" ( )
function btn_addportlettab_on_mouseup(objInst)
{
    var log_prefix, tab_index;

    log_prefix = "mainscreen:addportlettab> ";

    // ASYNC
    factory.consoleprint(log_prefix + "before addportlettab");
    tab_index = this.tab_link.addportlettab("ASYNC_PORTLET", 1, 160,
        SCREEN_BASE_DIR + "business_screen", "", true);
    factory.consoleprint(log_prefix + "after addportlettab");
    factory.consoleprint(log_prefix + "tab_index = " + tab_index);
}

// "addportlettabsync portlet" ( )
async function btn_addportlettabsync_on_mouseup(objInst)
{
    var log_prefix, tab_index, link_screen;

    log_prefix = "mainscreen:addportlettabsync> ";

    // SYNC
    factory.consoleprint(log_prefix + "before addportlettabsync");
    tab_index = await this.tab_link.addportlettabsync("SYNC_PORTLET", 1,
160,
        SCREEN_BASE_DIR + "business_screen", "", true);
    factory.consoleprint(log_prefix + "after addportlettabsync");
    factory.consoleprint(log_prefix + "tab_index = " + tab_index);

    // addportlettabsync 가 ,
// 가 ,
    link_screen = this.tab_link.getchildscreeninstance(tab_index);
    if (factory.isobject(link_screen)) {
        factory.consoleprint(log_prefix + "screen = " +
link_screen.getscreenurl());
    }
}

////////////////////////////////////
//
////////////////////////////////////

// "addportlettab portlet frame" ( )
function btn_addportlettab_portletframe_on_mouseup(objInst)
```

```
{
    var log_prefix, tab_index;

    log_prefix = "mainscreen:addportlettab_portletframe> ";

    factory.consoleprint(log_prefix + "before l");
    tab_index = this.LoadTabFramePortletAsync(this.tab_link,
        SCREEN_BASE_DIR + "tab_frame_screen", "frame_screen_extra_data",
        SCREEN_BASE_DIR + "business_screen", "business_screen_extra_data");
    factory.consoleprint(log_prefix + "after l");
    factory.consoleprint(log_prefix + "tab_index = " + tab_index);
}

// "addportlettabsync portlet frame" ( )
async function btn_addportlettabsync_portletframe_on_mouseup(objInst)
{
    var log_prefix, tab_index;

    log_prefix = "mainscreen:addportlettabsync_portletframe> ";

    factory.consoleprint(log_prefix + "before LoadTabFramePortletSync");
    tab_index = await this.LoadTabFramePortletSync(this.tab_link,
        SCREEN_BASE_DIR + "tab_frame_screen", "frame_screen_extra_data",
        SCREEN_BASE_DIR + "business_screen", "business_screen_extra_data");
    factory.consoleprint(log_prefix + "after LoadTabFramePortletSync");
    factory.consoleprint(log_prefix + "tab_index = " + tab_index);
}

// "addtab screen frame" ( )
function btn_addtab_screenframe_on_mouseup(objInst)
{
    var log_prefix, tab_index;

    log_prefix = "mainscreen:addportlettab_screenframe> ";

    factory.consoleprint(log_prefix + "before LoadTabFrameScreenAsync");
    tab_index = this.LoadTabFrameScreenAsync(this.tab_link,
        SCREEN_BASE_DIR + "tab_frame_screen", "frame_screen_extra_data",
        SCREEN_BASE_DIR + "business_screen", "business_screen_extra_data");
    factory.consoleprint(log_prefix + "after LoadTabFrameScreenAsync");
    factory.consoleprint(log_prefix + "tab_index = " + tab_index);
}

// "addtabsync screen frame" ( )
async function btn_addtabsync_screenframe_on_mouseup(objInst)
{
    var log_prefix, tab_index;

    log_prefix = "mainscreen:addportlettabsync_screenframe> ";

    factory.consoleprint(log_prefix + "before LoadTabFrameScreenSync");
```

```
tab_index = await this.LoadTabFrameScreenSync(this.tab_link,
    SCREEN_BASE_DIR + "tab_frame_screen", "frame_screen_extra_data",
    SCREEN_BASE_DIR + "business_screen", "business_screen_extra_data");
factory.consoleprint(log_prefix + "after LoadTabFrameScreenSync");
factory.consoleprint(log_prefix + "tab_index = " + tab_index);

return tab_index;
}

// "addtab container frame" ( )
function btn_addtab_containerframe_on_mouseup(objInst)
{
    var log_prefix, tab_index;

    log_prefix = "mainscreen:addtab_containerframe> ";

    factory.consoleprint(log_prefix + "before LoadTabFrameContainerAsync");
    tab_index = this.LoadTabFrameContainerAsync(this.tab_link,
        SCREEN_BASE_DIR + "tab_frame_container",
        "container_screen_extra_data",
        SCREEN_BASE_DIR + "business_screen", "business_screen_extra_data");
    factory.consoleprint(log_prefix + "after LoadTabFrameContainerAsync");
    factory.consoleprint(log_prefix + "tab_index = " + tab_index);

    return tab_index;
}

// "addtabsync container frame" ( )
async function btn_addtabsync_containerframe_on_mouseup(objInst)
{
    var log_prefix, tab_index;

    log_prefix = "mainscreen:addtabsync_container> ";

    factory.consoleprint(log_prefix + "before LoadTabFrameContainerSync");
    tab_index = await this.LoadTabFrameContainerSync(this.tab_link,
        SCREEN_BASE_DIR + "tab_frame_container",
        "container_screen_extra_data",
        SCREEN_BASE_DIR + "business_screen", "business_screen_extra_data");
    factory.consoleprint(log_prefix + "after LoadTabFrameContainerSync");
    factory.consoleprint(log_prefix + "tab_index = " + tab_index);

    return tab_index;
}

////////////////////////////////////
/
//
//
////////////////////////////////////
```

```

/
/**
 *
 * @param tab_frame
 * @param frame_screen_url URL
 * @param frame_screen_extra_data Extra Data
 * @param business_screen_url URL
 * @param business_screen_extra_data Extra Data
 *
 * @returns frame_tab_index 가 , -1
 */
function LoadTabFramePortletAsync(tab_frame,
                                   frame_screen_url, frame_screen_extra_data,
                                   business_screen_url,
                                   business_screen_extra_data)
{
    var log_prefix, obj_extra_data, frame_tab_index;

    log_prefix = "mainscreen:LoadTabFramePortletAsync> ";

    obj_extra_data = {
        is_async_load: true,
        frame_screen_extra_data: frame_screen_extra_data,
        business_screen_url: business_screen_url,
        business_screen_extra_data: business_screen_extra_data
    };

    //
    factory.consoleprint(log_prefix + "before addportlettab framescreen");
    frame_tab_index = tab_frame.addportlettab("ASYNC_PORTLET", 1, 160,
        frame_screen_url, "", true, obj_extra_data);
    factory.consoleprint(log_prefix + "after addportlettab framescreen");
    factory.consoleprint(log_prefix + "frame_tab_index = " +
frame_tab_index);

    return frame_tab_index;
}

/**
 *
 * @param tab_frame
 * @param frame_screen_url URL
 * @param frame_screen_extra_data Extra Data
 * @param business_screen_url URL
 * @param business_screen_extra_data Extra Data
 *
 * @returns frame_tab_index 가 , -1
 */

```



```

async function LoadTabFramePortletSync(tab_frame,
                                       frame_screen_url,
                                       frame_screen_extra_data,
                                       business_screen_url,
                                       business_screen_extra_data)
{
    var log_prefix, obj_extra_data, frame_tab_index, business_tab_index,
        frame_screen, frame_screen_member;

    log_prefix = "mainscreen:LoadTabFramePortletSync> ";

    obj_extra_data = {
        is_async_load: false,
        frame_screen_extra_data: frame_screen_extra_data,
        business_screen_url: business_screen_url,
        business_screen_extra_data: business_screen_extra_data
    };

    // Frame
    factory.consoleprint(log_prefix + "before addportlettabsync
framescreen");
    frame_tab_index = await tab_frame.addportlettabsync("SYNC_PORTLET", 1,
160,
        frame_screen_url, "", true, obj_extra_data);
    factory.consoleprint(log_prefix + "after addportlettabsync
framescreen");
    factory.consoleprint(log_prefix + "frame_tab_index = " +
frame_tab_index);

    if (frame_tab_index < 0) { return frame_tab_index; }

    //
    frame_screen = tab_frame.getchildscreeninstance(frame_tab_index);
    if (!factory.isobject(frame_screen)) { return frame_tab_index; }

    frame_screen_member = frame_screen.getmembers();
    if (!factory.isobject(frame_screen_member)) { return frame_tab_index; }

    //          LoadBusinessScreen          async          .
    factory.consoleprint(log_prefix + "before SyncLoadBusinessScreen");
    await frame_screen_member.SyncLoadBusinessScreen(obj_extra_data);
    factory.consoleprint(log_prefix + "after SyncLoadBusinessScreen");

    return frame_tab_index;
}

/**
 *
 *
 * @param tab_frame
 * @param frame_screen_url          URL

```

```

* @param frame_screen_extra_data      Extra Data
* @param business_screen_url          URL
* @param business_screen_extra_data   Extra Data
*/
* @returns frame_tab_index   가      ,      -1
*/
function LoadTabFrameScreenAsync(tab_frame,
                                  frame_screen_url, frame_screen_extra_data,
                                  business_screen_url,
                                  business_screen_extra_data)
{
    var log_prefix, obj_extra_data, frame_tab_index;

    log_prefix = "mainscreen:LoadTabFrameScreenAsync> ";

    obj_extra_data = {
        is_async_load: true,
        frame_screen_extra_data: frame_screen_extra_data,
        business_screen_url: business_screen_url,
        business_screen_extra_data: business_screen_extra_data
    };

    //
    factory.consoleprint(log_prefix + "before addtab");
    frame_tab_index = this.tab_link.addtab("ASYNC_CONTAINER", 1, 160,
        frame_screen_url, true, obj_extra_data);
    factory.consoleprint(log_prefix + "after addtab");
    factory.consoleprint(log_prefix + "frame_tab_index = " +
frame_tab_index);

    return frame_tab_index;
}

/**
*
*
* @param tab_frame
* @param frame_screen_url          URL
* @param frame_screen_extra_data   Extra Data
* @param business_screen_url          URL
* @param business_screen_extra_data   Extra Data
*
* @returns frame_tab_index   가      ,      -1
*/
async function LoadTabFrameScreenSync(tab_frame,
                                       frame_screen_url,
                                       frame_screen_extra_data,
                                       business_screen_url,
                                       business_screen_extra_data)
{
    var log_prefix, obj_extra_data, frame_tab_index, business_tab_index,

```

```

        frame_screen, frame_screen_member;

log_prefix = "mainscreen:LoadTabFrameScreenSync> ";

obj_extra_data = {
    is_async_load: false,
    frame_screen_extra_data: frame_screen_extra_data,
    business_screen_url: business_screen_url,
    business_screen_extra_data: business_screen_extra_data
};

// Frame
factory.consoleprint(log_prefix + "before addtabsync framescreen");
frame_tab_index = await this.tab_link.addtabsync("SYNC_CONTAINER", 1,
160,
    frame_screen_url, true, obj_extra_data);
factory.consoleprint(log_prefix + "after addtabsync framescreen");
factory.consoleprint(log_prefix + "frame_tab_index = " +
frame_tab_index);

    if (frame_tab_index < 0) { return frame_tab_index; }

//
frame_screen = tab_frame.getchildscreeninstance(frame_tab_index);
if (!factory.isobject(frame_screen)) { return frame_tab_index; }

//
frame_screen_member = frame_screen.getmembers();
if (!factory.isobject(frame_screen_member)) { return frame_tab_index; }

//          LoadBusinessScreen          await
factory.consoleprint(log_prefix + "before SyncLoadBusinessScreen");
await frame_screen_member.SyncLoadBusinessScreen(obj_extra_data);
factory.consoleprint(log_prefix + "after SyncLoadBusinessScreen");

return frame_tab_index;
}

/**
 *
 *
 * @param tab_frame
 * @param container_screen_url          URL
 * @param container_screen_extra_data          Extra Data
 * @param business_screen_url          URL
 * @param business_screen_extra_data          Extra Data
 *
 * @returns frame_tab_index   가          ,          -1
 */
function LoadTabFrameContainerAsync(tab_frame,
                                container_screen_url,

```

```

container_screen_extra_data,
                                business_screen_url,
business_screen_extra_data)
{
    var log_prefix, obj_extra_data, frame_tab_index;

    log_prefix = "mainscreen:LoadTabFrameContainerAsync> ";

    obj_extra_data = {
        is_async_load: true,
        container_screen_extra_data: container_screen_extra_data,
        business_screen_url: business_screen_url,
        business_screen_extra_data: business_screen_extra_data
    };

    //
    factory.consoleprint(log_prefix + "before addtab");
    frame_tab_index = this.tab_link.addtab("ASYNC_CONTAINER", 1, 160,
        container_screen_url, true, obj_extra_data);
    factory.consoleprint(log_prefix + "after addtab");
    factory.consoleprint(log_prefix + "frame_tab_index = " +
frame_tab_index);

    return frame_tab_index;
}

/**
 *
 * @param tab_frame
 * @param container_screen_url          URL
 * @param container_screen_extra_data    Extra Data
 * @param business_screen_url          URL
 * @param business_screen_extra_data    Extra Data
 *
 * @returns frame_tab_index   가          ,          -1
 */
async function LoadTabFrameContainerSync(tab_frame,
                                container_screen_url,
container_screen_extra_data,
                                business_screen_url,
business_screen_extra_data)
{
    var log_prefix, obj_extra_data, frame_tab_index, business_screen;

    log_prefix = "mainscreen:LoadTabFrameContainerSync> ";

    obj_extra_data = {
        is_async_load: true,
        container_screen_extra_data: container_screen_extra_data,
        business_screen_url: business_screen_url,

```

```
        business_screen_extra_data: business_screen_extra_data
    };

    //
    //          addcontenttab API

    factory.consoleprint(log_prefix + "before addtabsync");
    frame_tab_index = await this.tab_link.addtabsync("SYNC_CONTAINER", 1,
160,
        container_screen_url, true, obj_extra_data);
    factory.consoleprint(log_prefix + "after addtabsync");
    factory.consoleprint(log_prefix + "frame_tab_index = " +
frame_tab_index);

    // addtabsync      가
    //      가
    business_screen = this.tab_link.getchildscreeninstance(frame_tab_index);
    if (factory.isobject(business_screen)) {
        factory.consoleprint(log_prefix + "screen = " +
business_screen.getscreenurl());
    }

    return frame_tab_index;
}
```

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

Permanent link:
http://technet.softbase.co.kr/wiki/guide/screen/sync/sync_addtab



Last update: **2023/10/30 18:06**