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// ==UserScript==
// @name          百度网盘高速下载插件 2018 年 3 月 28 日修复版
// @version       2018.03.28
// @description   # 我的网盘内和分享链接页面内显示下载助手按钮;
// @author        ivesjay、DieMoe、zd423、网友们
// @match         *://pan.baidu.com/disk/home*
// @match         *://yun.baidu.com/disk/home*
// @match         *://pan.baidu.com/s/*
// @match         *://yun.baidu.com/s/*
// @match         *://pan.baidu.com/share/link*
// @match         *://yun.baidu.com/share/link*
// @require       https://code.jquery.com/jquery-latest.js
// @run-at        document-start
// @grant         unsafeWindow
// @grant         GM_setClipboard
// @namespace     undefined
// ==/UserScript==

(function() {
    'use strict';

    var $ = $ || window.$;
    var log_count = 1;
    var wordMapHttp = {
        'list-grid-switch': 'yvgb9XJ',
        'list-switched-on': 'ksbXZm',
        'grid-switched-on': 'tch6W25',
        'list-switch': 'lrbo9a',
        'grid-switch': 'xh6poL',
        'checkbox': 'EOGexf',
        'col-item': 'Qxyfvg',
        'check': 'fydGNC',
        'checked': 'EzubGg',
        'list-view': 'vdAfKmb',
        'item-active': 'ngb906',
        'grid-view': 'JKvHJMb',
        'bar-search': 'OFaPa0',
        'list-tools': 'QDDOQB'
    };
    $( function() {
        wordMapHttp['default-dom'] = ($('.icon-upload').parent().parent().parent().parent().attr('class')) ;
        wordMapHttp['bar'] = ($('.icon-upload').parent().parent().parent().parent().attr('class')) ;
    } ) ;
    var wordMapHttps = {
        'list-grid-switch': 'qobmXB1q',
        'list-switched-on': 'ewXm1e',
        'grid-switched-on': 'kxhkX2Em',
        'list-switch': 'rvpXm63',
        'grid-switch': 'mxgdJgww',
        'checkbox': 'EOGexf',
        'col-item': 'Qxyfvg',
        'check': 'fydGNC',
        'checked': 'EzubGg',
        'list-view': 'vdAfKmb',
        'item-active': 'pcamXBRX',
        'grid-view': 'JKvHJMb',
    };

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        'bar-search': '0FaPa0',
        'default-dom': 'nyztJqWE',
        'bar': 'mkseJqKQ',
        'list-tools': 'QDDOQB'
    };
    var wordMap = location.protocol == 'http:' ? wordMapHttp : wordMapHttps;

    //console.log(wordMap);

    function slog(c1,c2,c3){
        c1 = c1?c1:'';
        c2 = c2?c2:'';
        c3 = c3?c3:'';
        console.log('#'+ log_count++ + '-BaiduNetdiskHelper-log:',c1,c2,c3);
    }

    $(function(){
        switch(detectPage()){
            case 'disk':
                var panHelper = new PanHelper();
                panHelper.init();
                return;
            case 'share':
            case 's':
                var panShareHelper = new PanShareHelper();
                panShareHelper.init();
                return;
            default:
                return;
        }
    });

    //网盘页面的下载助手
    function PanHelper(){
        var yunData,sign,timestamp,bdstoken,logid,fid_list;
        var
fileList=[],selectFileList=[],batchLinkList=[],batchLinkListAll=[],linkList=[],
        list_grid_status='list';
        var observer,currentPage,currentPath,currentCategory,dialog,searchKey;
        var panAPIUrl = location.protocol + "://" + location.host + "/api/";
        var restAPIUrl = location.protocol + "://pcs.baidu.com/rest/2.0/pcs/";
        var clientAPIUrl = location.protocol + "://d.pcs.baidu.com/rest/2.0/pcs/";

        this.init = function(){
            yunData = unsafeWindow.yunData;
            slog('yunData:',yunData);
            if(yunData === undefined){
                slog('页面未正常加载，或者百度已经更新! ');
                return;
            }
            initParams();
            registerEventListener();
            createObserver();
            addButton();
            createIframe();
            dialog = new Dialog({addCopy:true});

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        slog('网盘直接下载助手加载成功! ');
    };

    function initParams(){
        sign = getSign();
        timestamp = getTimestamp();
        bdstoken = getBDStoken();
        logid = getLogID();
        currentPage = getCurrentPage();
        slog('Current display mode:',currentPage);

        if(currentPage == 'list')
            currentPath = getPath();

        if(currentPage == 'category')
            currentCategory = getCategory();

        if(currentPage == 'search')
            searchKey = getSearchKey();

        refreshListGridStatus();
        refreshFileList();
        refreshSelectList();
    }

    function refreshFileList(){
        if (currentPage == 'list') {
            fileList = getFileList();
        } else if (currentPage == 'category'){
            fileList = getCategoryFileList();
        } else if (currentPage == 'search') {
            fileList = getSearchFileList();
        }
    }

    function refreshSelectList(){
        selectFileList = [];
    }

    function refreshListGridStatus(){
        list_grid_status = getListGridStatus();
    }

    //获取当前的视图模式
    function getListGridStatus(){
        //return $('div.list-grid-switch').hasClass('list-switched-on')?'list':($('div.list-grid-switch').hasClass('grid-switched-on')?'grid':'list');
        //return $('div.itiWzPY').hasClass('kudtWY46')?'list':($('div.itiWzPY').hasClass('nytAL9w')?'grid':'list');
        return $('div.'+wordMap['list-grid-switch']).hasClass(wordMap['list-switched-on'])?'list':($('div.'+wordMap['list-grid-switch']).hasClass(wordMap['grid-switched-on'])?'grid':'list');
    }

    function registerEventListener(){
        registerHashChange();
    }

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registerListGridStatus();
registerCheckbox();
registerAllCheckbox();
registerFileSelect();
}

//监视地址栏#标签的变化
function registerHashChange(){
    window.addEventListener('hashchange',function(e){
        refreshListGridStatus();
        if(getCurrentPage() == 'list') {
            if(currentPage == getCurrentPage()){
                if(currentPath == getPath()){
                    return;
                } else {
                    currentPath = getPath();
                    refreshFileList();
                    refreshSelectList();
                }
            } else {
                currentPage = getCurrentPage();
                currentPath = getPath();
                refreshFileList();
                refreshSelectList();
            }
        } else if (getCurrentPage() == 'category') {
            if(currentPage == getCurrentPage()){
                if(currentCategory == getCategory()){
                    return;
                } else {
                    currentPage = getCurrentPage();
                    currentCategory = getCategory();
                    refreshFileList();
                    refreshSelectList();
                }
            } else {
                currentPage = getCurrentPage();
                currentCategory = getCategory();
                refreshFileList();
                refreshSelectList();
            }
        } else if(getCurrentPage() == 'search') {
            if(currentPage == getCurrentPage()){
                if(searchKey == getSearchKey()){
                    return;
                } else {
                    currentPage = getCurrentPage();
                    searchKey = getSearchKey();
                    refreshFileList();
                    refreshSelectList();
                }
            } else {
                currentPage = getCurrentPage();
                searchKey = getSearchKey();
                refreshFileList();
                refreshSelectList();
            }
        }
    });
}

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    }
  }
});
}

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//监视视图变化

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function registerListGridStatus(){
  //var $a_list = $('a[node-type=list-switch]');
  //var $a_list = $('a[node-type=eepWzkk]');
  var $a_list = $('a[node-type='+wordMap['list-switch']+']');
  $a_list.click(function(){
    list_grid_status = 'list';
  });

  //var $a_grid = $('a[node-type=grid-switch]');
  //var $a_grid = $('a[node-type=ytnvWY7q]');
  var $a_grid = $('a[node-type='+wordMap['grid-switch']+']');
  $a_grid.click(function(){
    list_grid_status = 'grid';
  });
}

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//文件选择框

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function registerCheckbox(){
  //var $checkbox = $('span.checkbox');
  //var $checkbox = $('span.EOGexf');
  var $checkbox = $('span.'+wordMap['checkbox']);
  $checkbox.each(function(index,element){
    $(element).bind('click',function(e){
      var $parent = $(this).parent();
      var filename;
      if(list_grid_status == 'list') {
        //filename = $('div.file-name div.text a',
$parent).attr('title');
        filename = $('div.file-name div.text a',
$parent).attr('title');
      }else if(list_grid_status == 'grid'){
        //filename = $('div.file-name a',$parent).attr('title');
        filename = $('div.file-name a',$parent).attr('title');
      }
      //if($parent.hasClass('item-active')){
      //if($parent.hasClass('prWzXA')){
      if($parent.hasClass(wordMap['item-active'])){
        slog('取消选中文件: '+filename);
        for(var i=0;i<selectFileList.length;i++){
          if(selectFileList[i].filename == filename){
            selectFileList.splice(i,1);
          }
        }
      }else{
        slog('选中文件: '+filename);
        $.each(fileList,function(index,element){
          if(element.server_filename == filename){
            var obj = {
              filename:element.server_filename,
              path:element.path,

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        fs_id:element.fs_id,
        isdir:element.isdir
    };
    selectFileList.push(obj);
    }
    });
    }
    });
    });
}

function unregisterCheckbox(){
    //var $checkbox = $('span.checkbox');
    //var $checkbox = $('span.EOGexf');
    var $checkbox = $('span.'+wordMap['checkbox']);
    $checkbox.each(function(index,element){
        $(element).unbind('click');
    });
}

//全选框
function registerAllCheckbox(){
    //var $checkbox = $('div.col-item.check');
    //var $checkbox = $('div.Qxyfvg.fydGNC');
    var $checkbox = $('div.'+wordMap['col-item']+'.'+wordMap['check']);
    $checkbox.each(function(index,element){
        $(element).bind('click',function(e){
            var $parent = $(this).parent();
            //if($parent.hasClass('checked')){
            //if($parent.hasClass('EzubGg')){
            if($parent.hasClass(wordMap['checked'])){
                slog('取消全选');
                selectFileList = [];
            } else {
                slog('全部选中');
                selectFileList = [];
                $.each(fileList,function(index,element){
                    var obj = {
                        filename:element.server_filename,
                        path:element.path,
                        fs_id:element.fs_id,
                        isdir:element.isdir
                    };
                    selectFileList.push(obj);
                });
            }
        });
    });
}

function unregisterAllCheckbox(){
    //var $checkbox = $('div.col-item.check');
    //var $checkbox = $('div.Qxyfvg.fydGNC');
    var $checkbox = $('div.'+wordMap['col-item']+'.'+wordMap['check']);
    $checkbox.each(function(index,element){
        $(element).unbind('click');
    });
}

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    });
}

//单个文件选中，点击文件不是点击选中框，会只选中该文件
function registerFileSelect(){
    //var $dd = $('div.list-view dd');
    //var $dd = $('div.vdAfKmb dd');
    var $dd = $('div.'+wordMap['list-view']+' dd');
    $dd.each(function(index,element){
        $(element).bind('click',function(e){
            var nodeName = e.target.nodeName.toLowerCase();
            if(nodeName != 'span' && nodeName != 'a' && nodeName != 'em') {
                slog('shiftKey:'+e.shiftKey);
                if(!e.shiftKey){
                    selectFileList = [];
                    var filename = $('div.file-name div.text a',$
(this)).attr('title');
                    slog('选中文件: ' + filename);
                    $.each(fileList,function(index,element){
                        if(element.server_filename == filename){
                            var obj = {
                                filename:element.server_filename,
                                path:element.path,
                                fs_id:element.fs_id,
                                isdir:element.isdir
                            };
                            selectFileList.push(obj);
                        }
                    });
                }else{
                    selectFileList = [];
                    //var $dd_select = $('div.list-view dd.item-active');
                    //var $dd_select = $('div.vdAfKmb dd.prWzXA');
                    var $dd_select = $('div.'+wordMap['list-view']+'
dd.'+wordMap['item-active']);
                    $.each($dd_select,function(index,element){
                        var filename = $('div.file-name div.text a',$
(element)).attr('title');
                        slog('选中文件: ' + filename);
                        $.each(fileList,function(index,element){
                            if(element.server_filename == filename){
                                var obj = {
                                    filename:element.server_filename,
                                    path:element.path,
                                    fs_id:element.fs_id,
                                    isdir:element.isdir
                                };
                                selectFileList.push(obj);
                            }
                        });
                    });
                }
            }
        });
    });
}

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function unregisterFileSelect(){
    //var $dd = $('div.list-view dd');
    //var $dd = $('div.vdAfKmb dd');
    var $dd = $('div.'+wordMap['list-view']+' dd');
    $dd.each(function(index,element){
        $(element).unbind('click');
    });
}

//监视文件列表显示变化
function createObserver(){
    var MutationObserver = window.MutationObserver;
    var options = {
        'childList': true
    };
    observer = new MutationObserver(function(mutations){
        unregisterCheckbox();
        unregisterAllCheckbox();
        unregisterFileSelect();
        registerCheckbox();
        registerAllCheckbox();
        registerFileSelect();
    });

    //var list_view = document.querySelector('.list-view');
    //var grid_view = document.querySelector('.grid-view');

    //var list_view = document.querySelector('.vdAfKmb');
    //var grid_view = document.querySelector('.JKvHJMb');

    var list_view = document.querySelector('.'+wordMap['list-view']);
    var grid_view = document.querySelector('.'+wordMap['grid-view']);

    observer.observe(list_view,options);
    observer.observe(grid_view,options);
}

//添加下载助手按钮
function addButton(){
    //$('div.bar-search').css('width','18%');//修改搜索框的宽度，避免遮挡
    //$('div.0FaPa0').css('width','18%');
    $('div.'+wordMap['bar-search']).css('width','18%');
    var $dropdownbutton = $('<span class="g-dropdown-button"></span>');
    var $dropdownbutton_a = $('<a class="g-button"
href="javascript:void(0);"><span class="g-button-right"><em class="icon icon-
download" title="百度网盘高速下载"></em><span class="text" style="width: auto;">高
速下载</span></span></a>');
    var $dropdownbutton_span = $('<span class="menu"
style="width:96px"></span>');

    var $directbutton = $('<span class="g-button-menu"
style="display:block"></span>');
    var $directbutton_span = $('<span class="g-dropdown-button g-dropdown-
button-second" menulevel="2"></span>');
    var $directbutton_a = $('<a class="g-button"
href="javascript:void(0);"><span class="g-button-right"><span class="text"

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style="width:auto">高速下载</span></span></a>');
    var $directbutton_menu = $('<span class="menu"
style="width:120px;left:79px"></span>');
    var $directbutton_download_button = $('<a id="download-direct"
class="g-button-menu" href="javascript:void(0);">点击直接下载</a>');
    var $directbutton_link_button = $('<a id="link-direct" class="g-
button-menu" href="javascript:void(0);">高速下载链接</a>');

$directbutton_menu.append($directbutton_download_button).append($directbutton_li
nk_button);

$directbutton.append($directbutton_span.append($directbutton_a).append($directbu
tton_menu));
    $directbutton.hover(function(){
        $directbutton_span.toggleClass('button-open');
    });
    $directbutton_download_button.click(downloadClick);
    $directbutton_link_button.click(linkClick);

    var $apibutton = $('<span class="g-button-menu"
style="display:block"></span>');
    var $apibutton_span = $('<span class="g-dropdown-button g-dropdown-
button-second" menulevel="2"></span>');
    var $apibutton_a = $('<a class="g-button"
href="javascript:void(0);"><span class="g-button-right"><span class="text"
style="width:auto">其它外链</span></span></a>');
    var $apibutton_menu = $('<span class="menu"
style="width:120px;left:77px"></span>');
    var $apibutton_download_button = $('<a id="download-api" class="g-
button-menu" href="javascript:void(0);">点击直接下载</a>');
    var $apibutton_link_button = $('<a id="httplink-api" class="g-button-
menu" href="javascript:void(0);">其它下载外链</a>');

$apibutton_menu.append($apibutton_download_button).append($apibutton_link_button
);

$apibutton.append($apibutton_span.append($apibutton_a).append($apibutton_menu));
    $apibutton.hover(function(){
        $apibutton_span.toggleClass('button-open');
    });
    $apibutton_download_button.click(downloadClick);
    $apibutton_link_button.click(linkClick);

    var $outerlinkbutton = $('');
    $outerlinkbutton.hover(function(){
        $outerlinkbutton_span.toggleClass('button-open');
    });

$dropdownbutton_span.append($directbutton).append($apibutton).append($outerlinkb
utton);

$dropdownbutton.append($dropdownbutton_a).append($dropdownbutton_span);

    $dropdownbutton.hover(function(){
        $dropdownbutton.toggleClass('button-open');
    });

$('div.'+wordMap['list-tools']).append($dropdownbutton);

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}

function downloadClick(event){
    slog('选中文件列表: ',selectFileList);
    var id = event.target.id;
    var downloadLink;

    if(id == 'download-direct'){
        var downloadType;
        if(selectFileList.length === 0) {
            alert("获取选中文件失败, 请刷新重试! ");
            return;
        } else if (selectFileList.length == 1) {
            if (selectFileList[0].isdir === 1)
                downloadType = 'batch';
            else if (selectFileList[0].isdir === 0)
                downloadType= 'dlink';
            //downloadType = selectFileList[0].isdir==1?'batch':
(selectFileList[0].isdir===0?'dlink':'batch');
        } else if(selectFileList.length > 1){
            downloadType = 'batch';
        }
        fid_list = getFidList(selectFileList);
        var result = getDownloadLinkWithPanAPI(downloadType);
        if(result.errno === 0){
            if(downloadType == 'dlink')
                downloadLink = result.dlink[0].dlink;
            else if(downloadType == 'batch'){
                downloadLink = result.dlink;
                if(selectFileList.length === 1)
                    downloadLink = downloadLink + '&zipname=' +
encodeURIComponent(selectFileList[0].filename) + '.zip';
            }
            else{
                alert("发生错误! ");
                return;
            }
        } else if(result.errno == -1){
            alert('文件不存在或已被百度和谐, 无法下载! ');
            return;
        }else if(result.errno == 112){
            alert("页面过期, 请刷新重试! ");
            return;
        }else{
            alert("发生错误! ");
            return;
        }
    }else{
        if(selectFileList.length === 0) {
            alert("获取选中文件失败, 请刷新重试! ");
            return;
        } else if (selectFileList.length > 1) {
            alert("该方法不支持多文件下载! ");
            return;
        } else {
            if(selectFileList[0].isdir == 1){

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