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# Modul:Effective protection expiry

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This module provides a way to retrieve the expiry of a restriction over a given action on a page.

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## Usage

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This module will use up to 1 expensive parser function call each time it is ran. It will not use any if [Module:Effective protection level](#) was already called.

## From other modules

---

To load this module:

```
local effectiveProtectionExpiry = require('Module:Effective protection expiry').
```

The function accepts two parameters. The first is a string containing the action to check, which must be one of "edit", "create", "move", "upload", or "autoreview". The second is optional, and can either be the name of the page to check, or a title returned from the mw.title functions. If the second parameter is omitted, the page being displayed is the one checked against.

The return value is either a date string in `YY-MM-DDThh:mm:ss` format, or one of the following strings:

- `infinity` - for pages protected indefinitely, or pages which exist and are not protected
- `unknown` - for pages where the expiry is unknown, or pages which do not exist and are not protected

Note that if an existing page is not protected for the requested action, this will return 'infinity'. You need to check separately with [Module:Effective protection level](#).

## From wikitext

---

The parameters are the same as when it is called directly.

```
Vorlage:Tlinv
```

## See also

- [Module:Effective protection level](#)

```
local p = {}

-- Returns the expiry of a restriction of an action on a given title, or unknown
-- If no title is specified, the title of the page being displayed is used.
function p._main(action, pagename)
    local title
    if type(pagename) == 'table' and pagename.prefixedText then
        title = pagename
    elseif pagename then
        title = mw.title.new(pagename)
    else
        title = mw.title.getCurrentTitle()
    end
    pagename = title.prefixedText
    if action == 'autoreview' then
        local stabilitySettings = mw.ext.FlaggedRevs.getStabilitySettings
        return stabilitySettings and stabilitySettings.expiry or 'unknown'
    elseif action ~= 'edit' and action ~= 'move' and action ~= 'create' and action ~= 'upload' then
        error( 'First parameter must be one of edit, move, create, upload' )
    end
    local rawExpiry = mw.getCurrentFrame():callParserFunction( 'PROTECTIONEXPIRE' , pagename )
    if rawExpiry == 'infinity' then
        return 'infinity'
    elseif rawExpiry == '' then
        return 'unknown'
    else
        local year, month, day, hour, minute, second = rawExpiry:match(
            '^(%d%d%d%d) (%d%d) (%d%d) (%d%d) (%d%d) (%d%d)$'
        )
        if year then
            return string.format(
                '%s-%s-%sT%s:%s:%s',
                year, month, day, hour, minute, second
            )
        else
            error('internal error in Module:Effective protection expiry')
        end
    end
end

setmetatable(p, { __index = function(t, k)
    return function(frame)
        return t._main(k, frame.args[1])
    end
end })

return p
```

## Modul:Effective protection level

---

This module provides a way to retrieve the group required to perform a given action on a page. It currently tests the following criteria:

- The page being pending-changes protected: autoconfirmed
- The page being a JavaScript or CSS subpage in userspace, or in the MediaWiki namespace: interfaceadmin
- The page being in the MediaWiki namespace: sysop
- The page being a JSON subpage in userspace: sysop
- The page being protected: sysop, templateeditor, extendedconfirmed, or autoconfirmed
- The page being used in a cascading-protected page: sysop
- The page's title matching the titleblacklist: templateeditor or autoconfirmed
- A file being moved: filemover
- A page being moved or a file being uploaded: autoconfirmed
- A non-Draft non-talk page being created: user
- Anything else: \*

Note that if a template-protected file is moved, both filemover and templateeditor are required, but this will return only templateeditor. This is not likely to be changed any time soon, since template protection currently shouldn't be used on files.

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## Usage

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**Warning:** This module will use up to 4 expensive parser function calls each time it is ran. It should only be used if the exact effective protection level is necessary. Otherwise, consider using `title.protectionLevels` instead.

## From other modules

---

To load this module:

```
local effectiveProtectionLevel = require('Module:Effective protection level')._m
```

The function accepts two parameters. The first is a string containing the action to check, which must be one of "edit", "create", "move", "upload", "undelete", or "autoreview". The second is optional, and can either be the name of the page to check, or a title returned from the mw.title functions. If the second parameter is omitted, the page being displayed is the one checked against. The return value is a string containing the name of the group required to perform the given action.

## From wikitext

The parameters are the same as when it is called directly.

**Vorlage:Tlinv**

## See also

- [Module:Effective protection expiry](#)

```
local p = {}

-- Returns the permission required to perform a given action on a given title.
-- If no title is specified, the title of the page being displayed is used.
function p._main(action, pagename)
    local title
    if type(pagename) == 'table' and pagename.prefixedText then
        title = pagename
    elseif pagename then
        title = mw.title.new(pagename)
    else
        title = mw.title.getCurrentTitle()
    end
    pagename = title.prefixedText
    if action == 'autoreview' then
        local level = mw.ext.FlaggerRevs.getStabilitySettings(title)
        level = level and level.autoreview
        if level == 'review' then
            return 'reviewer'
        elseif level ~= '' then
            return level
        else
            return nil -- not '*'. a page not being PC-protected is c
        end
    elseif action ~= 'edit' and action ~= 'move' and action ~= 'create' and a
        error( 'First parameter must be one of edit, move, create, upload
    end
    if title.namespace == 8 then -- MediaWiki namespace
        if title.text:sub(-3) == '.js' or title.text:sub(-4) == '.css' or
            return 'interfaceadmin'
        else -- any non-JS/CSS MediaWiki page
            return 'sysop'
        end
    elseif title.namespace == 2 and title.isSubpage then
        if title.contentModel == 'javascript' or title.contentModel == 'c
            return 'interfaceadmin'
        elseif title.contentModel == 'json' then -- user JSON page
            return 'sysop'
        end
    end
end
```

```
        end
    end
    if action == 'undelete' then
        return 'sysop'
    end
    local level = title.protectionLevels[action] and title.protectionLevels[a
    if level == 'sysop' or level == 'editprotected' then
        return 'sysop'
    elseif title.cascadingProtection.restrictions[action] and title.cascading
        return 'sysop'
    elseif level == 'templateeditor' then
        return 'templateeditor'
    elseif action == 'move' then
        local blacklistentry = mw.ext.TitleBlacklist.test('edit', pagename)
        if blacklistentry and not blacklistentry.params.autoconfirmed then
            return 'templateeditor'
        elseif title.namespace == 6 then
            return 'filemover'
        elseif level == 'extendedconfirmed' then
            return 'extendedconfirmed'
        else
            return 'autoconfirmed'
        end
    end
    local blacklistentry = mw.ext.TitleBlacklist.test(action, pagename)
    if blacklistentry then
        if not blacklistentry.params.autoconfirmed then
            return 'templateeditor'
        elseif level == 'extendedconfirmed' then
            return 'extendedconfirmed'
        else
            return 'autoconfirmed'
        end
    elseif level == 'editsemiprotected' then -- create-semiprotected pages re
        return 'autoconfirmed'
    elseif level then
        return level
    elseif action == 'upload' then
        return 'autoconfirmed'
    elseif action == 'create' and title.namespace % 2 == 0 and title.namespac
        return 'user'
    else
        return '*'
    end
end

setmetatable(p, { __index = function(t, k)
    return function(frame)
        return t._main(k, frame.args[1])
    end
end })

return p
```