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# Modul:Message box/Doku

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**Dies ist die Dokumentationsseite für [Modul:Message box](#)**

Vorlage:Lua

This is a meta-module that implements the message box templates [Vorlage:TI](#), [Vorlage:TI](#), [Vorlage:TI](#), [Vorlage:TI](#), [Vorlage:TI](#), [Vorlage:TI](#), and [Vorlage:TI](#). It is intended to be used from Lua modules, and should not be used directly from wiki pages. If you want to use this module's functionality from a wiki page, please use the individual message box templates instead.

## Usage

---

To use this module from another Lua module, first you need to load it.

```
local messageBox = require('Module:Message box')
```

To create a message box, use the main function. It takes two parameters: the first is the box type (as a string), and the second is a table containing the message box parameters.

```
local box = messageBox.main( boxType, {  
    param1 = param1,  
    param2 = param2,  
    -- More parameters...  
})
```

There are seven available box types:

Box type	Template	Purpose
mbox	<a href="#">Vorlage:TI</a>	For message boxes to be used in multiple namespaces
ambox	<a href="#">Vorlage:TI</a>	For article message boxes
cmbox	<a href="#">Vorlage:TI</a>	For category message boxes
fmbox	<a href="#">Vorlage:TI</a>	For interface message boxes
imbox	<a href="#">Vorlage:TI</a>	For file namespace message boxes
tmbox	<a href="#">Vorlage:TI</a>	For talk page message boxes
ombox	<a href="#">Vorlage:TI</a>	For message boxes in other namespaces

See the template page of each box type for the available parameters.

## Usage from #invoke

---

As well as the main function, this module has separate functions for each box type. They are accessed using the code `{{#invoke:Message box|mbox|...}}`, `{{#invoke:Message box|ambox|...}}`, etc. These will work when called from other modules, but they access code used to process arguments passed from #invoke, and so calling them will be less efficient than calling main.

## Technical details

---

The module uses the same basic code for each of the templates listed above; the differences between each of them are configured using the data at [Module:Message box/configuration](#). Here are the various configuration options and what they mean:

- `types` - a table containing data used by the type parameter of the message box. The table keys are the values that can be passed to the type parameter, and the table values are tables containing the class and the image used by that type.
- `default` - the type to use if no value was passed to the type parameter, or if an invalid value was specified.
- `showInvalidTypeError` - whether to show an error if the value passed to the type parameter was invalid.
- `allowBlankParams` - usually blank values are stripped from parameters passed to the module. However, whitespace is preserved for the parameters included in the allowBlankParams table.
- `allowSmall` - whether a small version of the message box can be produced with "small=yes".
- `smallParam` - a custom name for the small parameter. For example, if set to "left" you can produce a small message box using "small=left".
- `smallClass` - the class to use for small message boxes.
- `substCheck` - whether to perform a subst check or not.
- `classes` - an array of classes to use with the message box.
- `imageEmptyCell` - whether to use an empty **Vorlage:Tag** cell if there is no image set. This is used to preserve spacing for message boxes with a width of less than 100% of the screen.
- `imageEmptyCellStyle` - whether empty image cells should be styled.
- `imageCheckBlank` - whether "image=blank" results in no image being displayed.
- `imageSmallSize` - usually, images used in small message boxes are set to 30x30px. This sets a custom size.
- `imageCellDiv` - whether to enclose the image in a div enforcing a maximum image size.
- `useCollapsibleTextFields` - whether to use text fields that can be collapsed, i.e. "issue", "fix", "talk", etc. Currently only used in ambox.
- `imageRightNone` - whether `imageright=none` results in no image being displayed on the right-hand side of the message box.
- `sectionDefault` - the default name for the "section" parameter. Depends on `useCollapsibleTextFields`.
- `allowMainspaceCategories` - allow categorisation in the main namespace.
- `templateCategory` - the name of a category to be placed on the template page.



- `templateCategoryRequireName` - whether the `name` parameter is required to display the template category.
- `templateErrorCategory` - the name of the error category to be used on the template page.
- `templateErrorParamsToCheck` - an array of parameter names to check. If any are absent, the `templateErrorCategory` is applied to the template page.

# Modul:Message box

---

## Vorlage:Lua

This is a meta-module that implements the message box templates [Vorlage:TI](#), [Vorlage:TI](#), [Vorlage:TI](#), [Vorlage:TI](#), [Vorlage:TI](#), and [Vorlage:TI](#). It is intended to be used from Lua modules, and should not be used directly from wiki pages. If you want to use this module's functionality from a wiki page, please use the individual message box templates instead.

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tmbox	<a href="#">Vorlage:TI</a>	For talk page message boxes
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See the template page of each box type for the available parameters.

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- `types` - a table containing data used by the type parameter of the message box. The table keys are the values that can be passed to the type parameter, and the table values are tables containing the class and the image used by that type.
- `default` - the type to use if no value was passed to the type parameter, or if an invalid value was specified.
- `showInvalidTypeError` - whether to show an error if the value passed to the type parameter was invalid.
- `allowBlankParams` - usually blank values are stripped from parameters passed to the module. However, whitespace is preserved for the parameters included in the allowBlankParams table.
- `allowSmall` - whether a small version of the message box can be produced with "small=yes".
- `smallParam` - a custom name for the small parameter. For example, if set to "left" you can produce a small message box using "small=left".
- `smallClass` - the class to use for small message boxes.
- `substCheck` - whether to perform a subst check or not.
- `classes` - an array of classes to use with the message box.
- `imageEmptyCell` - whether to use an empty **Vorlage:Tag** cell if there is no image set. This is used to preserve spacing for message boxes with a width of less than 100% of the screen.
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- `sectionDefault` - the default name for the "section" parameter. Depends on `useCollapsibleTextFields`.
- `allowMainspaceCategories` - allow categorisation in the main namespace.
- `templateCategory` - the name of a category to be placed on the template page.

- `templateCategoryRequireName` - whether the name parameter is required to display the template category.
- `templateErrorCategory` - the name of the error category to be used on the template page.
- `templateErrorParamsToCheck` - an array of parameter names to check. If any are absent, the `templateErrorCategory` is applied to the template page.

```
-- This is a meta-module for producing message box templates, including
-- {{mbox}}, {{ambox}}, {{imbox}}, {{tmbox}}, {{ombox}}, {{cmbox}} and {{fmbox}}

-- Load necessary modules.
require('Module:No globals')
local getArgs
local yesno = require('Module:Yesno')

-- Get a language object for formatDate and ucfirst.
local lang = mw.language.getContentLanguage()

-- Define constants
local CONFIG_MODULE = 'Module:Message box/configuration'
local DEMOSPACES = {talk = 'tmbox', image = 'imbox', file = 'imbox', category = }

-----
-- Helper functions
-----

local function getTitleObject(...)
    -- Get the title object, passing the function through pcall
    -- in case we are over the expensive function count limit.
    local success, title = pcall(mw.title.new, ...)
    if success then
        return title
    end
end

local function union(t1, t2)
    -- Returns the union of two arrays.
    local vals = {}
    for i, v in ipairs(t1) do
        vals[v] = true
    end
    for i, v in ipairs(t2) do
        vals[v] = true
    end
    local ret = {}
    for k in pairs(vals) do
        table.insert(ret, k)
    end
    table.sort(ret)
    return ret
end

local function getArgNums(args, prefix)
    local nums = {}
    for k, v in pairs(args) do
        local num = mw.ustring.match(tostring(k), '^' .. prefix .. '([1-9])')
        if num then
            table.insert(nums, tonumber(num))
        end
    end
    table.sort(nums)
end
```

```
        return nums
    end

-----
-- Box class definition
-----

local MessageBox = {}
MessageBox.__index = MessageBox

function MessageBox.new(boxType, args, cfg)
    args = args or {}
    local obj = {}

    -- Set the title object and the namespace.
    obj.title = getTitleObject(args.page) or mw.title.getCurrentTitle()

    -- Set the config for our box type.
    obj.cfg = cfg[boxType]
    if not obj.cfg then
        local ns = obj.title.namespace
        -- boxType is "mbox" or invalid input
        if args.demospace and args.demospace ~= '' then
            -- implement demospace parameter of mbox
            local demospace = string.lower(args.demospace)
            if DEMOSPACES[demospace] then
                -- use template from DEMOSPACES
                obj.cfg = cfg[DEMOspaces[demospace]]
            elseif string.find( demospace, 'talk' ) then
                -- demo as a talk page
                obj.cfg = cfg.tmbox
            else
                -- default to ombox
                obj.cfg = cfg.ombox
            end
        elseif ns == 0 then
            obj.cfg = cfg.ambox -- main namespace
        elseif ns == 6 then
            obj.cfg = cfg.imbox -- file namespace
        elseif ns == 14 then
            obj.cfg = cfg.cmbox -- category namespace
        else
            local nsTable = mw.site.namespaces[ns]
            if nsTable and nsTable.isTalk then
                obj.cfg = cfg.tmbox -- any talk namespace
            else
                obj.cfg = cfg.ombox -- other namespaces or invalid
            end
        end
    end
end

-- Set the arguments, and remove all blank arguments except for the ones
-- listed in cfg.allowBlankParams.
do
    local newArgs = {}
    for k, v in pairs(args) do
        if v ~= '' then
            newArgs[k] = v
        end
    end
    for i, param in ipairs(obj.cfg.allowBlankParams or {}) do
        newArgs[param] = args[param]
    end
    obj.args = newArgs
end
```

```
end

-- Define internal data structure.
obj.categories = {}
obj.classes = {}
-- For lazy loading of [[Module:Category handler]].
obj.hasCategories = false

return setmetatable(obj, MessageBox)
end

function MessageBox:addCat(ns, cat, sort)
if not cat then
return nil
end
if sort then
cat = string.format('[[Category:%s|%s]]', cat, sort)
else
cat = string.format('[[Category:%s]]', cat)
end
self.hasCategories = true
self.categories[ns] = self.categories[ns] or {}
table.insert(self.categories[ns], cat)
end

function MessageBox:addClass(class)
if not class then
return nil
end
table.insert(self.classes, class)
end

function MessageBox:setParameters()
local args = self.args
local cfg = self.cfg

-- Get type data.
self.type = args.type
local typeData = cfg.types[self.type]
self.invalidTypeError = cfg.showInvalidTypeError
and self.type
and not typeData
typeData = typeData or cfg.types[cfg.default]
self.typeClass = typeData.class
self.typeImage = typeData.image

-- Find if the box has been wrongly substituted.
self.isSubstituted = cfg.substCheck and args.subst == 'SUBST'

-- Find whether we are using a small message box.
self.isSmall = cfg.allowSmall and (
cfg.smallParam and args.small == cfg.smallParam
or not cfg.smallParam and yesno(args.small)
)

-- Add attributes, classes and styles.
self.id = args.id
self.name = args.name
if self.name then
self:addClass('box-' .. string.gsub(self.name, ' ', '_'))
end
if yesno(args.plainlinks) ~= false then
self:addClass('plainlinks')
end
end
```

```
for _, class in ipairs(cfg.classes or {}) do
    self:addClass(class)
end
if self.isSmall then
    self:addClass(cfg.smallClass or 'mbox-small')
end
self:addClass(self.typeClass)
self:addClass(args.class)
self.style = args.style
self.attrs = args.attrs

-- Set text style.
self.textstyle = args.textstyle

-- Find if we are on the template page or not. This functionality is only
-- used if useCollapsibleTextFields is set, or if both cfg.templateCatego
-- and cfg.templateCategoryRequireName are set.
self.useCollapsibleTextFields = cfg.useCollapsibleTextFields
if self.useCollapsibleTextFields
    or cfg.templateCategory
    and cfg.templateCategoryRequireName
then
    if self.name then
        local templateName = mw.ustring.match(
            self.name,
            '^([tT][eE][mM][pP][lL][aA][tT][eE][%s_]*:[%s_]*('
        ) or self.name
        templateName = 'Template:' .. templateName
        self.templateTitle = getTitleObject(templateName)
    end
    self.isTemplatePage = self.templateTitle
    and mw.title.equals(self.title, self.templateTitle)
end

-- Process data for collapsible text fields. At the moment these are only
-- used in {{ambox}}.
if self.useCollapsibleTextFields then
    -- Get the self.issue value.
    if self.isSmall and args.smalltext then
        self.issue = args.smalltext
    else
        local sect
        if args.sect == '' then
            sect = 'This ' .. (cfg.sectionDefault or 'page')
        elseif type(args.sect) == 'string' then
            sect = 'This ' .. args.sect
        end
        local issue = args.issue
        issue = type(issue) == 'string' and issue ~= '' and issue
        local text = args.text
        text = type(text) == 'string' and text or nil
        local issues = {}
        table.insert(issues, sect)
        table.insert(issues, issue)
        table.insert(issues, text)
        self.issue = table.concat(issues, ' ')
    end

    -- Get the self.talk value.
    local talk = args.talk
    -- Show talk links on the template page or template subpages if t
    -- parameter is blank.
    if talk == ''
        and self.templateTitle
```

```
        and (
            mw.title.equals(self.templateTitle, self.title)
            or self.title:isSubpageOf(self.templateTitle)
        )
    then
        talk = '#'
    elseif talk == '' then
        talk = nil
    end
    if talk then
        -- If the talk value is a talk page, make a link to that
        -- assume that it's a section heading, and make a link to
        -- page of the current page with that section heading.
        local talkTitle = getTitleObject(talk)
        local talkArgIsTalkPage = true
        if not talkTitle or not talkTitle.isTalkPage then
            talkArgIsTalkPage = false
            talkTitle = getTitleObject(
                self.title.text,
                mw.site.namespaces[self.title.namespace]
            )
        end
        if talkTitle and talkTitle.exists then
            local talkText
            if self.isSmall then
                local talkLink = talkArgIsTalkPage and talk or (talkTitle.prefixText .. talk)
                talkText = string.format('[[%s|talk]]', talkLink)
            else
                talkText = 'Relevant discussion may be found on'
                if talkArgIsTalkPage then
                    talkText = string.format(
                        '%s [[%s|%s]].',
                        talkText,
                        talk,
                        talkTitle.prefixText
                    )
                else
                    talkText = string.format(
                        '%s the [[%s#%s|talk page]].',
                        talkText,
                        talkTitle.prefixText,
                        talk
                    )
                end
            end
        end
        self.talk = talkText
    end

-- Get other values.
self.fix = args.fix ~= '' and args.fix or nil
local date
if args.date and args.date ~= '' then
    date = args.date
elseif args.date == '' and self.isTemplatePage then
    date = lang:formatDate('F Y')
end
if date then
    self.date = string.format("<span class='date-container'>")
end
self.info = args.info
if yesno(args.removalnotice) then
    self.removalNotice = cfg.removalNotice
end
```



```
end

-- Set the non-collapsible text field. At the moment this is used by all
-- types other than ambox, and also by ambox when small=yes.
if self.isSmall then
    self.text = args.smalltext or args.text
else
    self.text = args.text
end

-- Set the below row.
self.below = cfg.below and args.below

-- General image settings.
self.imageCellDiv = not self.isSmall and cfg.imageCellDiv
self.imageEmptyCell = cfg.imageEmptyCell
if cfg.imageEmptyCellStyle then
    self.imageEmptyCellStyle = 'border:none;padding:0;width:1px'
end

-- Left image settings.
local imageLeft = self.isSmall and args.smallimage or args.image
if cfg.imageCheckBlank and imageLeft ~= 'blank' and imageLeft ~= 'none'
    or not cfg.imageCheckBlank and imageLeft ~= 'none'
then
    self.imageLeft = imageLeft
    if not imageLeft then
        local imageSize = self.isSmall
            and (cfg.imageSmallSize or '30x30px')
            or '40x40px'
        self.imageLeft = string.format('[[File:%s|link=|alt=]]'
            or 'Imbox notice.png', imageSize)
    end
end

-- Right image settings.
local imageRight = self.isSmall and args.smallimageright or args.imageright
if not (cfg.imageRightNone and imageRight == 'none') then
    self.imageRight = imageRight
end

end

function MessageBox:setMainspaceCategories()
    local args = self.args
    local cfg = self.cfg

    if not cfg.allowMainspaceCategories then
        return nil
    end

    local nums = {}
    for _, prefix in ipairs{'cat', 'category', 'all'} do
        args[prefix .. '1'] = args[prefix]
        nums = union(nums, getArgNums(args, prefix))
    end

    -- The following is roughly equivalent to the old {{Ambox/category}}.
    local date = args.date
    date = type(date) == 'string' and date
    local preposition = 'from'
    for _, num in ipairs(nums) do
        local mainCat = args['cat' .. tostring(num)]
            or args['category' .. tostring(num)]
        local allCat = args['all' .. tostring(num)]
    end
end
```



```
        mainCat = type(mainCat) == 'string' and mainCat
        allCat = type(allCat) == 'string' and allCat
        if mainCat and date and date ~= '' then
            local catTitle = string.format('%s %s %s', mainCat, prep
            self:addCat(0, catTitle)
            catTitle = getTitleObject('Category:' .. catTitle)
            if not catTitle or not catTitle.exists then
                self:addCat(0, 'Articles with invalid date param
            end
        elseif mainCat and (not date or date == '') then
            self:addCat(0, mainCat)
        end
        if allCat then
            self:addCat(0, allCat)
        end
    end
end

function MessageBox:setTemplateCategories()
    local args = self.args
    local cfg = self.cfg

    -- Add template categories.
    if cfg.templateCategory then
        if cfg.templateCategoryRequireName then
            if self.isTemplatePage then
                self:addCat(10, cfg.templateCategory)
            end
        elseif not self.title.isSubpage then
            self:addCat(10, cfg.templateCategory)
        end
    end

    -- Add template error categories.
    if cfg.templateErrorCategory then
        local templateErrorCategory = cfg.templateErrorCategory
        local templateCat, templateSort
        if not self.name and not self.title.isSubpage then
            templateCat = templateErrorCategory
        elseif self.isTemplatePage then
            local paramsToCheck = cfg.templateErrorParamsToCheck or {}
            local count = 0
            for i, param in ipairs(paramsToCheck) do
                if not args[param] then
                    count = count + 1
                end
            end
            if count > 0 then
                templateCat = templateErrorCategory
                templateSort = tostring(count)
            end
            if self.categoryNums and #self.categoryNums > 0 then
                templateCat = templateErrorCategory
                templateSort = 'C'
            end
        end
        self:addCat(10, templateCat, templateSort)
    end
end

function MessageBox:setAllNamespaceCategories()
    -- Set categories for all namespaces.
    if self.invalidTypeError then
        local allSort = (self.title.namespace == 0 and 'Main:' or '') ..
```

```
        self:addCat('all', 'Wikipedia message box parameter needs fixing')
    end
    if self.isSubstituted then
        self:addCat('all', 'Pages with incorrectly substituted templates')
    end
end

function MessageBox:setCategories()
    if self.title.namespace == 0 then
        self:setMainspaceCategories()
    elseif self.title.namespace == 10 then
        self:setTemplateCategories()
    end
    self:setAllNamespaceCategories()
end

function MessageBox:renderCategories()
    if not self.hasCategories then
        -- No categories added, no need to pass them to Category handler
        -- if it was invoked, it would return the empty string.
        -- So we shortcut and return the empty string.
        return ""
    end
    -- Convert category tables to strings and pass them through
    -- [[Module:Category handler]].
    return require('Module:Category handler')._main{
        main = table.concat(self.categories[0] or {}),
        template = table.concat(self.categories[10] or {}),
        all = table.concat(self.categories.all or {}),
        nocat = self.args.nocat,
        page = self.args.page
    }
end

function MessageBox:export()
    local root = mw.html.create()

    -- Add the subst check error.
    if self.isSubstituted and self.name then
        root:tag('b')
            :addClass('error')
            :wikitext(string.format(
                'Template <code>%s[[Template:%s|%s]]%s</code> has
                mw.text.nowiki('{{', self.name, self.name, mw.te
            ))
    end

    -- Create the box table.
    local boxTable = root:tag('table')
    boxTable:attr('id', self.id or nil)
    for i, class in ipairs(self.classes or {}) do
        boxTable:addClass(class or nil)
    end
    boxTable
        :cssText(self.style or nil)
        :attr('role', 'presentation')

    if self.attrs then
        boxTable:attr(self.attrs)
    end

    -- Add the left-hand image.
    local row = boxTable:tag('tr')
    if self.imageLeft then
```

```
        local imageLeftCell = row:tag('td'):addClass('mbox-image')
        if self.imageCellDiv then
            -- If we are using a div, redefine imageLeftCell so that
            -- is inside it. Divs use style="width: 52px;", which lin
            -- image width to 52px. If any images in a div are wider
            -- they may overlap with the text or cause other display
            imageLeftCell = imageLeftCell:tag('div'):css('width', '52px')
        end
        imageLeftCell:wikitext(self.imageLeft or nil)
    elseif self.imageEmptyCell then
        -- Some message boxes define an empty cell if no image is specifi
        -- some don't. The old template code in templates where empty cel
        -- specified gives the following hint: "No image. Cell with some
        -- or padding necessary for text cell to have 100% width."
        row:tag('td')
            :addClass('mbox-empty-cell')
            :cssText(self.imageEmptyCellStyle or nil)
    end

    -- Add the text.
    local textCell = row:tag('td'):addClass('mbox-text')
    if self.useCollapsibleTextFields then
        -- The message box uses advanced text parameters that allow thing
        -- collapsible. At the moment, only ambox uses this.
        textCell:cssText(self.textstyle or nil)
        local textCellDiv = textCell:tag('div')
        textCellDiv
            :addClass('mbox-text-span')
            :wikitext(self.issue or nil)
        if (self.talk or self.fix) then
            textCellDiv:tag('span')
                :addClass('hide-when-compact')
                :wikitext(self.talk and (' ' .. self.talk) or nil)
                :wikitext(self.fix and (' ' .. self.fix) or nil)
        end
        textCellDiv:wikitext(self.date and (' ' .. self.date) or nil)
        if self.info and not self.isSmall then
            textCellDiv
                :tag('span')
                :addClass('hide-when-compact')
                :wikitext(self.info and (' ' .. self.info) or nil)
        end
        if self.removalNotice then
            textCellDiv:tag('span')
                :addClass('hide-when-compact')
                :tag('i')
                    :wikitext(string.format(" (%s)", self.removalNotice))
        end
    end
else
    -- Default text formatting - anything goes.
    textCell
        :cssText(self.textstyle or nil)
        :wikitext(self.text or nil)
end

-- Add the right-hand image.
if self.imageRight then
    local imageRightCell = row:tag('td'):addClass('mbox-imageright')
    if self.imageCellDiv then
        -- If we are using a div, redefine imageRightCell so that
        -- is inside it.
        imageRightCell = imageRightCell:tag('div'):css('width', '52px')
    end
    imageRightCell
```

```

        :wikitext(self.imageRight or nil)
    end

    -- Add the below row.
    if self.below then
        boxTable:tag('tr')
            :tag('td')
                :attr('colspan', self.imageRight and '3' or '2')
                :addClass('mbox-text')
                :cssText(self.textstyle or nil)
                :wikitext(self.below or nil)
    end

    -- Add error message for invalid type parameters.
    if self.invalidTypeError then
        root:tag('div')
            :css('text-align', 'center')
            :wikitext(string.format(
                'This message box is using an invalid "type=%s" parameter',
                self.type or ''
            ))
    end

    end

    -- Add categories.
    root:wikitext(self:renderCategories() or nil)

    return tostring(root)
end

-----
-- Exports
-----

local p, mt = {}, {}

function p._exportClasses()
    -- For testing.
    return {
        MessageBox = MessageBox
    }
end

function p.main(boxType, args, cfgTables)
    local box = MessageBox.new(boxType, args, cfgTables or mw.loadData(CONFIG))
    box:setParameters()
    box:setCategories()
    return box:export()
end

function mt.__index(t, k)
    return function (frame)
        if not getArgs then
            getArgs = require('Module:Arguments').getArgs
        end
        return t.main(k, getArgs(frame, {trim = false, removeBlanks = false}))
    end
end

return setmetatable(p, mt)
```

## Modul:Message box/configuration

```
-----
--                                     Message box configuration                                     --
--                                     -----                                     --
-- This module contains configuration data for [[Module:Message box]].           --
-----

return {
    ambox = {
        types = {
            speedy = {
                class = 'ambox-speedy',
                image = 'Ambox warning pn.svg'
            },
            delete = {
                class = 'ambox-delete',
                image = 'Ambox warning pn.svg'
            },
            content = {
                class = 'ambox-content',
                image = 'Ambox important.svg'
            },
            style = {
                class = 'ambox-style',
                image = 'Edit-clear.svg'
            },
            move = {
                class = 'ambox-move',
                image = 'Merge-split-transwiki default.svg'
            },
            protection = {
                class = 'ambox-protection',
                image = 'Semi-protection-shackle-keyhole.svg'
            },
            notice = {
                class = 'ambox-notice',
                image = 'Information icon4.svg'
            }
        },
        default = 'notice',
        allowBlankParams = {'talk', 'sect', 'date', 'issue'},
        allowSmall = true,
        smallParam = 'left',
        smallClass = 'mbox-small-left',
        substCheck = true,
        classes = {'metadata', 'ambox'},
        imageEmptyCell = true,
        imageCheckBlank = true,
        imageSmallSize = '20x20px',
        imageCellDiv = true,
        useCollapsibleTextFields = true,
        imageRightNone = true,
        sectionDefault = 'article',
        allowMainspaceCategories = true,
        templateCategory = 'Article message templates',
        templateCategoryRequireName = true,
        templateErrorCategory = 'Article message templates with mis',
        templateErrorParamsToCheck = {'issue', 'fix', 'subst'},
        removalNotice = '[[Help:Maintenance template removal|]]'
    }
}
```

```
    },
    cmbox = {
      types = {
        speedy = {
          class = 'cmbox-speedy',
          image = 'Ambox warning pn.svg'
        },
        delete = {
          class = 'cmbox-delete',
          image = 'Ambox warning pn.svg'
        },
        content = {
          class = 'cmbox-content',
          image = 'Ambox important.svg'
        },
        style = {
          class = 'cmbox-style',
          image = 'Edit-clear.svg'
        },
        move = {
          class = 'cmbox-move',
          image = 'Merge-split-transwiki default.svg'
        },
        protection = {
          class = 'cmbox-protection',
          image = 'Semi-protection-shackle-keyhole.svg'
        },
        notice = {
          class = 'cmbox-notice',
          image = 'Information icon4.svg'
        }
      },
      default = 'notice',
      showInvalidTypeError = true,
      classes = {'cmbox'},
      imageEmptyCell = true
    },
    fmbox = {
      types = {
        warning = {
          class = 'fmbox-warning',
          image = 'Ambox warning pn.svg'
        },
        editnotice = {
          class = 'fmbox-editnotice',
          image = 'Information icon4.svg'
        },
        system = {
          class = 'fmbox-system',
          image = 'Information icon4.svg'
        }
      },
      default = 'system',
      showInvalidTypeError = true,
      classes = {'fmbox'},
      imageEmptyCell = false,
      imageRightNone = false
    },
    imbox = {
      types = {
        speedy = {
```

```
        class = 'imbox-speedy',
        image = 'Ambox warning pn.svg'
    },
    delete = {
        class = 'imbox-delete',
        image = 'Ambox warning pn.svg'
    },
    content = {
        class = 'imbox-content',
        image = 'Ambox important.svg'
    },
    style = {
        class = 'imbox-style',
        image = 'Edit-clear.svg'
    },
    move = {
        class = 'imbox-move',
        image = 'Merge-split-transwiki default.svg'
    },
    protection = {
        class = 'imbox-protection',
        image = 'Semi-protection-shackle-keyhole.svg'
    },
    license = {
        class = 'imbox-license licensetpl',
        image = 'Imbox license.png' -- @todo We need an S
    },
    featured = {
        class = 'imbox-featured',
        image = 'Cscr-featured.svg'
    },
    notice = {
        class = 'imbox-notice',
        image = 'Information icon4.svg'
    }
},
default = 'notice',
showInvalidTypeError = true,
classes = {'imbox'},
imageEmptyCell = true,
below = true,
templateCategory = 'File message boxes'
},
ombox = {
    types = {
        speedy = {
            class = 'ombox-speedy',
            image = 'Ambox warning pn.svg'
        },
        delete = {
            class = 'ombox-delete',
            image = 'Ambox warning pn.svg'
        },
        content = {
            class = 'ombox-content',
            image = 'Ambox important.svg'
        },
        style = {
            class = 'ombox-style',
            image = 'Edit-clear.svg'
        },
        move = {
            class = 'ombox-move',
```

```
        image = 'Merge-split-transwiki default.svg'
    },
    protection = {
        class = 'ombox-protection',
        image = 'Semi-protection-shackle-keyhole.svg'
    },
    notice = {
        class = 'ombox-notice',
        image = 'Information icon4.svg'
    }
},
default = 'notice',
showInvalidTypeError = true,
classes = {'ombox'},
allowSmall = true,
imageEmptyCell = true,
imageRightNone = true
},
tmbox = {
    types = {
        speedy = {
            class = 'tmbox-speedy',
            image = 'Ambox warning pn.svg'
        },
        delete = {
            class = 'tmbox-delete',
            image = 'Ambox warning pn.svg'
        },
        content = {
            class = 'tmbox-content',
            image = 'Ambox important.svg'
        },
        style = {
            class = 'tmbox-style',
            image = 'Edit-clear.svg'
        },
        move = {
            class = 'tmbox-move',
            image = 'Merge-split-transwiki default.svg'
        },
        protection = {
            class = 'tmbox-protection',
            image = 'Semi-protection-shackle-keyhole.svg'
        },
        notice = {
            class = 'tmbox-notice',
            image = 'Information icon4.svg'
        }
    },
    default = 'notice',
    showInvalidTypeError = true,
    classes = {'tmbox'},
    allowSmall = true,
    imageRightNone = true,
    imageEmptyCell = true,
    imageEmptyCellStyle = true,
    templateCategory = 'Talk message boxes'
}
}
```