

state macro

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Overview

The state macro is used to define a state in a [workflow macro](#). Every workflow requires at least one state macro. State macros are used to automatically set tasks and approvals on a page.

Where to use it?

Required – at least one.

One or more `{state}` macros can be put in a `{workflow}` macro.

Parameters

Parameter	Required	Default	Notes	Ver
<i>unnamed first parameter or name</i>	✓		Name of the workflow state: <ul style="list-style-type: none"> • Within a <code>{workflow}</code> macro, each <code>{state}</code> macro must be given a unique name • The name can use any character set supported by your Confluence server – except some reserved characters. In addition to being used for transitions , event triggers , etc., the state name is also shown in many aspects of the user interface and reporting .	
<i>macro body</i>			Can be empty, or one or more of the following macros: <ul style="list-style-type: none"> • approval macro — Add content-focussed reviews to states • state-selection macro — Specify direct state transitions • task macro — Add tasks to workflow states 	

Transitions

Define the **name** of target state for common [transitions](#).

If required, custom transitions can be implemented by using [Events](#) to `{trigger}` a `{set-state}` transition.

approved		<i>see notes</i>	If a content review is Approved, which state should the workflow transition to? <ul style="list-style-type: none"> • Advanced different-space publishing • Advanced remote-space publishing • Communardo Metadata for Confluence app • Customise Approval Buttons • Fast-tracked Rejections and Approvals • Reviewer Authentication Concepts: Transitions , Reviews	
rejected		<i>see notes</i>	If a content review is Rejected, which state should the workflow transition to? <ul style="list-style-type: none"> • Advanced different-space publishing • Advanced remote-space publishing • Communardo Metadata for Confluence app • Customise Approval Buttons • Fast-tracked Rejections and Approvals • Reviewer Authentication Concepts: Transitions , Reviews	

submit			<p>Define a single state to transition to from the current state.</p> <p>Note: This causes a drop-down menu to appear in the Workflow Popup to allow direct transition to that state.</p> <p>See also: <code>hideselection</code> parameter, {state-selection} macro</p> <ul style="list-style-type: none"> • Adding Multiple Reviews • Advanced different-space publishing • Advanced remote-space publishing • Fast-tracked Rejections and Approvals • Require Parameters on State Transitions • State expiry dates <p>Concepts: Transitions</p>	
updated			<p>If the associated content is edited (updated), which state should the workflow transition to?</p> <ul style="list-style-type: none"> • Moving the page will not trigger the <code>updated</code> transition (v4.5+) – you can use the pagemoved event if you require such functionality. • Link updates due to moving pages (eg. to another space) or renaming of other pages will not trigger the <code>updated</code> transition (v4.5+) <ul style="list-style-type: none"> • Advanced different-space publishing • Advanced remote-space publishing • Communardo Metadata for Confluence app • Fast-tracked Rejections and Approvals • State expiry dates • StiltSoft Talk app <p>Concepts: Transitions</p> <p>If used on a state that is <code>final=true</code> (published), the Workflow Popup will show a message about the content having gone through an approval process and a button linking to the Activity Report will be displayed.</p>	
requiredparams			<p>Require a given list of workflow parameters to be set before transitioning into this state.</p> <ul style="list-style-type: none"> • Comma separated list of parameter names • Workflow parameters must be defined in the existing workflow and have the <code>edit=true</code> condition set to be valid. • Note that users will only be prompted to enter parameters when the workflow transitions via a user action, like an approval or state submission. Internal state changes from triggers will not prompt for the required parameters. 	

Expiry

States can be set to expire on either an explicit date, or, more commonly, a time period from when the state was transitioned in to.

If a state expires *while it is active*, the state specified by the `expired` parameter, if present, will be transitioned to.

Macros: [{set-state-expiry}](#)

Events: `stateexpired`

changeduedate		false	<p>Can users set and/or change the <code>duedate</code> for this state?</p> <ul style="list-style-type: none"> • <code>true</code> – yes, they can change it – see: State expiry date • <code>false</code> – no, they can't <p>Note: Can be used with or without the <code>duedate</code> parameter. See Editing duedate section below parameter table for more information.</p> <ul style="list-style-type: none"> • State expiry dates <p>Concepts: Expiry Dates</p>	4.5+
duedate			<p>If defined, the state will be given an expiry date.</p> <ul style="list-style-type: none"> • Format can be either: <ul style="list-style-type: none"> • Explicit date in the format: <code>YYYY-MM-DD HH:mm</code> (v4.12+) • ISO 8601 Duration Period • See Expiry Dates for more information • Supports Value References <p>Note: The due date will be logged in the Activity Report - Content when the state is entered (v4.5.1+)</p> <ul style="list-style-type: none"> • Communardo Metadata for Confluence app • Expiry Dates • State expiry dates <p>Concepts: Expiry Dates</p>	3.2+
expired			<p>The state to change into if the page expires after its <code>duedate</code> (regardless of how the due date was set).</p> <ul style="list-style-type: none"> • Communardo Metadata for Confluence app • State expiry dates <p>Concepts: Transitions, Expiry Dates</p>	3.2+

If you're viewing the page when expiry occurs, you won't see the state update until you refresh the page.


Also, if the expiry date has already passed when entering the state, the transition won't occur. For best results always use an ISO 8601 duration rather than a specific date.

Tasks

Want to add tasks automatically when a state is transitioned to? See: [{task} macro](#).

When all tasks are completed, the state specified by the `completed` parameter, if present, will be transitioned to.




Events: `taskcreated`, `taskassigned`, `taskcompleted` and `taskexpired`.

<code>completed</code>			The state to change into if all the tasks in the state are completed. <h2>Content by label</h2> <p>There is no content with the specified labels</p> <p>Concepts: Transitions, Tasks</p>	
<code>taskable</code>		<code>false</code>	Whether or not tasks can be manually defined in this state via the Tasks button. Concepts: Tasks	

Publishing

Specify which state in your workflow is a final, published state.

See also: [Same-space publishing](#) and [Status Indicator Circles](#).

<code>final</code>		<code>false</code>	Should content in this state be considered "Published"? <ul style="list-style-type: none"><code>true</code> – yes, this state is published<code>false</code> – no, this state is draft (unpublished) Setting to <code>true</code> will cause all other non-final states in the workflow to be treated as drafts (unpublished content). By default, users with view-only permission can not see draft content, they can only see the most recently published version of content. <ul style="list-style-type: none">Advanced different-space publishingAdvanced remote-space publishingCommunardo Metadata for Confluence appFast-tracked Rejections and ApprovalsState expiry datesStiltSoft Talk app <p>Concepts: Publishing, Roles and Permissions</p> <p>If the <code>updated</code> parameter is applied to a <code>final=true</code> state, the Workflow Popup will display a message about the content going through an approvals process before being published, and an "Activity Report" button will also be shown.</p>	
<code>versioncompleted</code>		<code>false</code>	When using this parameter, the <code>final</code> parameter must be removed. <h2>Content by label</h2> <p>There is no content with the specified labels</p> <p>Concepts: Publishing</p> <p> This parameter is exclusively used for integration with the K15t Scroll Versions app, and is must be used for workflows in spaces where the Scroll Versions app is being used.</p>	

User Interface

The following parameters can be used to customise the user interface associated with workflow states.

<code>colour</code>			By default, states are coloured as described in Status Indicator Circles , namely: <ul style="list-style-type: none">Blue – there is no <code>final=true</code> state in the workflowOrange – there is a <code>final=true</code> state, but the current state isn't that stateGreen – the current state is <code>final=true</code> If desired, you can override the colour of individual states by specifying a colour in one of the following formats: <ul style="list-style-type: none"><code>#rrggbb</code> – Hexadecimal representation of RGB (Red, Green, Blue) color space – see: Color Picker<code>name</code> – A valid HTML Color Name Note: Invalid colour specifications will default to Grey . See also: Confused States - Grey Circle . <p>Tip: Triadic colour schemes yield good visual colour segregation.</p> <ul style="list-style-type: none">Advanced different-space publishingAdvanced remote-space publishing	5.1+
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description			Add a plain text description to the Workflow Popup when this state is active. Supports Value References . <ul style="list-style-type: none"> • Advanced different-space publishing • Advanced remote-space publishing • State expiry dates 	
hidefrompath		false	Should the state be hidden from the Progress Tracker bar on the Workflow Popup ? <ul style="list-style-type: none"> • true – yes, hide it • false – no, show it <p>Note: The state will still appear in the tracker bar when the workflow is in that state.</p> <ul style="list-style-type: none"> • Advanced different-space publishing • Advanced remote-space publishing <p>See also: progresstracker parameter on {workflow} macro.</p>	
hideselection		false	By default, direct state transition buttons (to every other state in the workflow) will be added to the Workflow Popup , unless you specify any of the following parameters: approved , rejected , submit , updated , expired or completed . If none of those parameters are specified, should the default buttons be hidden? <ul style="list-style-type: none"> • true – hide default state transition buttons • false – show default state transition buttons, if applicable <p>Alternatively, you can use a {state-selection} macro to specify which direct state transition buttons should be shown.</p> <ul style="list-style-type: none"> • Advanced different-space publishing • Advanced remote-space publishing <p>Concepts: Transitions</p>	3.0+

Deprecated Parameters

These parameters are either deprecated or obsolete and should no longer be used.

assignable		false	OBSOLETE Use assignable parameter on {approval} macro instead.	3.2.2 4.2.1
style-of-css-style			OBSOLETE Use colour parameter instead.	3.0 4.0.2
class-of-css-class				

Editing due date

The **duedate** and **changeduedate** parameters can be used on their own or together. The following table describes what will happen with each possible combination:

duedate	changeduedate	Description
not set	false	State will not have an expiry date nor can users add an expiry date.
set	false	State will have an expiry date based on the duedate parameter that the user cannot change.
not set	true	State will not initially have an expiry date, but the user can add an expiry date.
set	true	State will initially have an expiry date based on the duedate parameter, but the user can change the expiry date.

Events

The following [Events](#) are applicable to transitions between states:

- **statechanged**
- **pagestatechanged**
- **newsstatechanged**

Example

```
{workflow:name=States}
  {state:Start|submit=Stop}
  {state}
  {state:Stop|submit=Start}
  {state}
{workflow}
```

All examples

- [Adding Multiple Reviews](#) — Add multiple reviews to a content review, set assignee requirements and review dependencies
- [Adding page activity to email](#) — Include page activity report, or a link to it, in custom email notifications
- [Advanced different-space publishing](#)
- [Advanced remote-space publishing](#)
- [Assignment Examples](#) — Define who can take part in, or be assigned to, a content review.
- [Attachment events](#) — Triggering events when attachments are created, updated or removed.
- [Blog Post Events](#) — Workflow events associated with blog posts
- [Communardo Metadata for Confluence app](#) — Using the Communardo metadata as value references in a workflow - including use in a custom condition for a trigger macro
- [Customise Approval Buttons](#) — How to change captions of the Approve and Reject buttons created by the `{approval}` macro.
- [Expiry Dates](#) — States, tasks, and messages can be set to expire on a certain date or after a certain amount of time
- [Fast-tracked Rejections and Approvals](#) — How to require everyone to Approve, but only need one person to Reject
- [Message notification styles](#) — Test the `style` parameter of the `{set-message}` macro
- [Require Parameters on State Transitions](#) — Require workflow parameter values to be set before moving into a workflow state.
- [Reviewer Authentication](#) — This example shows how to authenticate reviewers during a content review.
- [State expiry dates](#) — Using state expiry dates, defining them with metadata, and making them editable
- [StiltSoft Talk app](#)

See also

Workflow Authoring Guide:

- [States](#)
- [Transitions](#)
- [Events](#)
- [Triggers](#)
- [Actions](#)
- [Conditions](#)
- [Value References](#)

User Guide:

- [Workflow Status Bar](#)
- [Workflow Popup](#)

Reporting Guide:

- [Report on states](#)

Integration Guides:

- [Workflow Supplier](#)

Developer Guides:

- [CQL REST API](#)
- [Java API](#)
- [REST API](#)