

# state

## Purpose

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

## Syntax

### {state} Syntax

```
{state:state_name[|approved=approved_state][|rejected=rejected_state][|updated=updated_state]
[|submit=submitted_state][|expired=expired_state][|duedate=ISO8601_duration][|completed=completed state]
[|final=true/false][|hideselection=true/false][|taskable=true/false][|hidefrompath=true/false]}
  <None or one state-selection macro>
  <None, one or more approval macros>
  <None, one or more task macros>
{state}
```

## Parameters

Parameters	Mandatory	Default	Description
<i>unnamed first parameter or name</i>	Yes		Name of the state. Names must be unique within a state macro and can use any character set supported by Confluence except the special characters used by the workflow syntax and Confluence (e.g. { },  , etc.).
approved	No		The state to change into if all the defined approvals are approved.
rejected	No		The state to change into if all the defined approvals are rejected.
updated	No		The state to change into if the page is updated (edited).
submit	No		The state to change into if the page is submitted (via the <b>Accept</b> button). Only applicable if there are no approvals in the state.
expired	No		The state to change into if the page expires based on duedate time range or the user set expiry date from changeduedate. For more details, please see <a href="#">Expiry Date</a> below.
completed	No		The state to change into if all the tasks in the state are completed
final	No	false	If set to true, when a page or blog post reaches this state, its version is marked as <i>Published</i> . Used for same space publishing. Refer to <a href="#">Understanding the Comala Workflow Engine</a> for more information on different publishing options.
description	No		The description to be shown in the page's state box.
hideselection	No	false	By default, if rejected, approved, updated, submit, expired or completed parameters are not set, then the engine will allow changing the state to any other state. If this value is set to true then no state selections are allowed. See also <a href="#">state-selection</a> .
taskable	No	false	Whether or not tasks can be manually defined in this state via the <b>Tasks</b> button.
duedate	No		Duration of time before the state expires following the ISO 8601 standard for <a href="#">duration</a> or exact date the state should expire. For more details, please see <a href="#">Expiry Date</a> below.
changeduedate	No	false	If set to true, the due date of the state can be adjusted by users. Can be used with or without duedate. For more details, please see <a href="#">Expiry Date</a> below.
hidefrompath	No	false	If set to true, this state will be hidden from the progress tracker for the workflow.
colour	No		Colour of the state in hexadecimal value (e.g., <b>#ff0000</b> ) or simple colour names (e.g., <b>red</b> ). Grey if the value is invalid. Default colors for states: <b>Blue</b> if there is not a final state in the workflow; <b>Green</b> if the state is set as final; <b>Yellow</b> if the workflow has a final state which is not the current state
<i>macro's body</i>	No		Can be empty, the <a href="#">state-selection</a> macro, or a combination of <a href="#">task</a> and/or <a href="#">approval</a> macros.

## State Transition

A page's state transitions based upon on of the parameters above (for example, approvals given or rejected, tasks completed, expiration date, etc.), or alternatively, be changed in a [{trigger}](#) macro using the [{set-state}](#) macro.

## Expiry Date

The `duedate` parameter can take a duration value based on the time the state was created, or an exact date.

Duration examples:

Duration	Value to use
1 year	P1Y
1 month	P1M
1 day	P1D
1 hour	PT1H
1 minute	PT1M

These values can be combined to create expiry date of any duration, such as `P1DT12H15M` for a duration of 1 day, 12 hours and 15 minutes.

To set the exact date use the following format: `YYYY-MM-dd HH:mm`

The `duedate` value can also be specified using a value reference that is read when the state is created.

## Using `duedate` and `changeduedate`

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

<code>duedate</code>	<code>changeduedate</code>	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 <code>duedate</code> 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 <code>duedate</code> parameter, but the user can change the expiry date.