

## Table Of Contents

Table Of Contents .....	1
OVERVIEW .....	2
SCENARIO 1 Create Specification .....	2
SCENARIO 2 Add comments .....	2
SCENARIO 3 See and update specification .....	2
SCENARIO 4 Script .....	2
SCENARIO 5 Import and export .....	2
SCENARIO 6 View as HTML and markdown .....	2
SCENARIO 7 Filter for documentation .....	2
SCENARIO 8 Filter for implementation .....	2
DEFINITION 1 All definitions of the speclib apply .....	2
DEFINITION 2 -name .....	3
DEFINITION 3 -usage .....	3
DEFINITION 4 Current Spec .....	4
FEATURE 1 create a new spec .....	4
FEATURE 2 validate a spec .....	4
FEATURE 3 recreate HTML and markdown export based on current spec.json .....	4
FEATURE 4 export markdown to stdout without overwriting json.md .....	5
FEATURE 5 export HTML to stdout without overwriting json.html .....	5
FEATURE 6 print property of spec .....	5
FEATURE 7 set property of spec .....	5
FEATURE 8 unset property of spec .....	5
FEATURE 9 add markdown text to a section .....	6
FEATURE 10 show list of paragraphs of a section .....	6
FEATURE 11 show content of a paragraphs of a section .....	6
FEATURE 12 change content of a paragraph of a section .....	6
FEATURE 13 see, add and change comment to a paragraph of a section .....	7
FEATURE 14 move a paragraph of a section .....	8
FEATURE 15 delete a paragraph of a section .....	8
FEATURE 16 see and change meta data of a paragraph of a section .....	8
FEATURE 17 shortcuts .....	8
General .....	9
Markdown export .....	9
HTML export .....	9
Spec property getters .....	9
Spec property unsetters .....	9
Spec property setters .....	10
Add Sections .....	10
Show Sections .....	10
Show Sections with comments and meta .....	10
Get list of Paragraphs for all section .....	10
Get list of Paragraphs for a section .....	10
Get Comments of Paragraphs for a section .....	11
Set Comment of Paragraph for a section .....	11
Replace Sections .....	11
Move Sections .....	11
Remove Sections .....	11
Get Meta Data of Overview / Spec .....	12
Get Meta Data of Section .....	12
Set Meta Data of Overview / Spec .....	13
Set Meta Data of Section .....	13

## OVERVIEW

[speccer](#) is a CLI tool for dealing with specs.

It is a frontend to the [speclib](#).

## SCENARIO 1 Create Specification

Mike wants to create a specification. He gets a clean starting point with `speccer`.

---

## SCENARIO 2 Add comments

Mike receives comments for his specification. He wants to add them without hassle.

---

## SCENARIO 3 See and update specification

Mike wants to update his specification with is editor.

---

## SCENARIO 4 Script

Gill wants to change specifications with a script.

---

## SCENARIO 5 Import and export

Gill wants to read import and export specifications from different places.

---

## SCENARIO 6 View as HTML and markdown

Sue wants to read the specifications in HTML and be able to mail them as markdown.

---

## SCENARIO 7 Filter for documentation

Peter wants to create a documentation from the spec and wants the unnecessary informations to be filtered.

---

## SCENARIO 8 Filter for implementation

Anne wants to implement parts of the specification. She just wants to read the parts that are ready to be implemented.

---

## DEFINITION 1 All definitions of the `speclib` apply

---

## DEFINITION 2 `-name`

The parameter passed via `-name` is the name of a spec property (like `TRANSLATIONS` with the command `property`) or the name of a paragraph property (like `STATE` with the command `meta`).

---

## DEFINITION 3 `-usage`

The parameter passed via `-usage` is the name of a filter provided by `speccer` for typical usage scenarios.

There are currently:

- **documentation** filters
    - PROPERTIES
    - META
    - COMMENTS
    - NONGOALS
    - CONTRADICTIONS
    - UNDECIDED
    - SPEC\_END
    - RESOURCES
    - PLANNING
    - APPROVED
    - PARTLY\_IMPLEMENTED
    - OBSOLET
  - **approval** filters
    - META
    - COMMENTS
    - CONTRADICTIONS
    - UNDECIDED
    - SPEC\_END
    - RESOURCES
    - PLANNING
    - OBSOLET
  - **discussion** filters
    - OVERVIEW
    - APPROVED
    - PARTLY\_IMPLEMENTED
    - OBSOLET
    - SPEC\_END
  - **implementation** filters
    - UNDECIDED
    - PLANNING
    - FULLY\_IMPLEMENTED
    - OBSOLET
-

---

## DEFINITION 4 Current Spec

The current spec is the spec that is loaded from a special file in the current directory (`pwd`).

If the `-language` option is set, the spec is loaded from the file `spec_[language].json`, e.g.

```
spec_en_US.json
```

Otherwise it is looking for any files matching the regular expression

```
spec*.json
```

If there is just one file matching, the spec is loaded from this file. Otherwise an error is thrown mentioning that the language option should probably be set.

## FEATURE 1 create a new spec

Go into a folder that should contain your spec and run

```
speccer -cmd create
```

Creates a file `spec.json` in the current folder and exports it as `spec.md` (Markdown) and `spec.html` (HTML).

If the `-language` parameter is set (to e.g. `en_US`) it creates the following files instead:

- `spec_en_US.json`
- `spec_en_US.md`
- `spec_en_US.html`

Be aware that the new spec is not valid since there are missing properties. You can validate a spec to see them:

```
speccer -cmd validate
```

---

## FEATURE 2 validate a spec

Go into a folder that contains your spec and run

```
speccer -cmd validate
```

It it returns nothing your spec is valid.

---

## FEATURE 3 recreate HTML and markdown export based on current spec.json

Go into a folder that contains your spec and run

```
speccer -cmd save
```

---

## FEATURE 4 export markdown to stdout without overwriting json.md

Go into a folder that contains your spec and run

```
speccer -cmd markdown
```

You might also pass the usage option to filter out some data, e.g.

```
speccer -cmd markdown -usage "documentation"
```

---

## FEATURE 5 export HTML to stdout without overwriting json.html

Go into a folder that contains your spec and run

```
speccer -cmd html
```

You might also pass the usage option to filter out some data, e.g.

```
speccer -cmd html -usage "documentation"
```

---

## FEATURE 6 print property of spec

Go into a folder that contains your spec and run

```
speccer -cmd property -name COMPANY
```

to print the COMPANY property. The properties are all written in high caps and defined in `speclib`.

---

## FEATURE 7 set property of spec

Go into a folder that contains your spec and run

```
speccer -cmd property -name COMPANY -set acme
```

to set the `COMPANY` property to `acme`. The properties are all written in high caps and defined in `speclib`.

---

## FEATURE 8 unset property of spec

Go into a folder that contains your spec and run

```
speccer -cmd property -name PARENT -unset
```

to unset the `PARENT` property. Only the following properties can be unset:

- REQUESTEDBY
  - RELATED
  - TRANSLATIONS
  - SUPERSEDEDBY
  - RESOURCES
  - PARENT
  - PERSONS
- 

## FEATURE 9 add markdown text to a section

Go into a folder that contains your spec and write your text into a file, let's say `new.md`.

Put the title of the paragraph in the first line and the body in the next lines. Then run

```
speccer -cmd add -sec SCENARIO -resp 'Your Name' -set new.md
```

to add title and body to the SCENARIO sections. The available sections are defined in the `speclib`.

---

## FEATURE 10 show list of paragraphs of a section

Go into a folder that contains your spec and run

```
speccer -cmd positions -sec SCENARIO
```

to see a list of all paragraphs of the SCENARIO section. Each paragraph has the first line printed preceeded by a number indicating the position of the paragraph inside the section. This position can be used to print or change the paragraph.

---

## FEATURE 11 show content of a paragraphs of a section

Go into a folder that contains your spec. You will need to know the position of the paragraph you want to see. Therefor you might want to first print all positions of the section (here SCENARIO) with

```
speccer -cmd positions -sec SCENARIO
```

then you can run

```
speccer -cmd text -sec SCENARIO -at 3
```

to see the text for the 3rd paragraph in the SCENARIO section.

If you want to include comments and meta data, run

```
speccer -cmd text -sec SCENARIO -at 3 -with-comments -with-meta
```

---

## FEATURE 12 change content of a paragraph of a

## section

Go into a folder that contains your spec. You will need to know the position of the paragraph you want to see. Therefor you might want to first print all positions of the section (here SCENARIO) with

```
speccer -cmd positions -sec SCENARIO
```

then you can run

```
speccer -cmd text -sec SCENARIO -at 3 > temp.md
```

to save the current text and comments for the 3rd paragraph in the SCENARIO section to the file `temp.md`.

Now fire up your editor to change the content. Then run

```
speccer -cmd text -sec SCENARIO -at 3 -set temp.md
```

to set the text of the 3rd paragraph in the SCENARIO section.

The comments and meta data (including the title) of the 3rd paragraph are not modified by this operation. So you may want to change them too.

## FEATURE 13 see, add and change comment to a paragraph of a section

Go into a folder that contains your spec. You will need to know the position of the paragraph you want to see. Therefor you might want to first print all positions of the section (here SCENARIO) with

```
speccer -cmd positions -sec SCENARIO
```

then you can run

```
speccer -cmd comment -sec SCENARIO -at 3
```

to see the current comments for the 3rd paragraph in the SCENARIO section.

Now if the author of your comment already made a comment to this paragraph and if you want to append to this old comment, you first have to save the old one.

To do this, run

```
speccer -cmd comment -sec SCENARIO -at 3 -author Jim > temp.md
```

to save the comment of `Jim` to the file `temp.md`. Then you can edit this file. If you just want to remove the old comment or if there was no comment you may simply start with an empty file `temp.md`.

After you edited the file, run

```
speccer -cmd comment -sec SCENARIO -at 3 -author Jim -set temp.md
```

to set the comment of `Jim` on the 3rd paragraph of the SCENARIO section to the

---

content of the file `temp.md`.

---

## FEATURE 14 move a paragraph of a section

Go into a folder that contains your spec. You will need to know the position of the paragraph you want to move. Therefor you might want to first print all positions of the section (here SCENARIO) with

```
speccer -cmd positions -sec SCENARIO
```

then you can run

```
speccer -cmd move -sec SCENARIO -at 3 -to 1
```

to move the 3rd paragraph in the SCENARIO section to be the first.

---

## FEATURE 15 delete a paragraph of a section

Go into a folder that contains your spec. You will need to know the position of the paragraph you want to delete. Therefor you might want to first print all positions of the section (here SCENARIO) with

```
speccer -cmd positions -sec SCENARIO
```

then you can run

```
speccer -cmd rm -sec SCENARIO -at 3
```

to remove the 3rd paragraph in the SCENARIO section.

---

## FEATURE 16 see and change meta data of a paragraph of a section

Go into a folder that contains your spec. You will need to know the position of the paragraph you want to see the meta data. Therefor you might want to first print all positions of the section (here SCENARIO) with

```
speccer -cmd positions -sec SCENARIO
```

then you can run

```
speccer -cmd meta -sec SCENARIO -at 3
```

to see all meta data of the 3rd paragraph in the SCENARIO section.

If you want to change a datum you will have to pass the name:

```
speccer -cmd meta -sec SCENARIO -at 3 -name RESPONSIBLE -set Jim
```

---

## FEATURE 17 shortcuts



To use the `bash` / `zsh` shortcuts, copy the `aliases.sh` into your home directory

```
cp aliases.sh ~/.speccer_aliases.sh
```

and write the following into your `.bashrc`

```
. ~/.speccer_aliases.sh
```

Then you will have access to the following shortcuts (in bold is an example input to put after the alias).

## General

```
spec_create  
spec_validate  
spec_save
```

## Markdown export

```
spec_markdown  
spec_markdown-doc  
spec_markdown-approve  
spec_markdown-discuss  
spec_markdown-implement  
spec_markdown-clean
```

## HTML export

```
spec_html  
spec_html-doc  
spec_html-approve  
spec_html-discuss  
spec_html-implement  
spec_html-clean
```

## Spec property getters

```
spec-requestedby  
spec-related  
spec-translations  
spec-supersededby  
spec-resources  
spec-parent  
spec-company  
spec-project  
spec-persons  
spec-url  
spec-language  
spec-dateformat  
spec-approved
```

## Spec property unsetters

```
spec_uset-requestedby  
spec_uset-related  
spec_uset-translations  
spec_uset-supersededby  
spec_uset-resources
```

```
spec_uset-parent
spec_uset-persons
```

## Spec property setters

```
spec_set-requestedby Jim
spec_set-related '{"other": "http://other.com/spec"}'
spec_set-translations '{"de_DE": "http://de.other.com/spec"}'
spec_set-supersededby '{"v2": "http://other.com/v2/spec"}'
spec_set-resources '{"ER diagramm": "http://other.com/er.png"}'
spec_set-parent 'http://other.com/parent-spec'
spec_set-company acme
spec_set-project 'my project'
spec_set-url 'http://greatspec.com/spec'
spec_set-language en_US
spec_set-dateformat YYYY-MM-DD
spec_set-approved true
spec_set-persons '{"PP": "Paul Panther paul@panther.com"}'
```

## Add Sections

```
spec_add-SCENARIO new.md
spec_add-CONTRADICTION new.md
spec_add-DEFINITION new.md
spec_add-FEATURE new.md
spec_add-NONGOAL new.md
spec_add-UNDECIDED new.md
```

## Show Sections

```
spec-OVERVIEW
spec-SCENARIO-at 2
spec-CONTRADICTION-at 5
spec-DEFINITION-at 20
spec-FEATURE-at 1
spec-NONGOAL-at 2
spec-UNDECIDED-at 5
```

## Show Sections with comments and meta

```
spec-OVERVIEW-full
spec-SCENARIO-full-at 2
spec-CONTRADICTION-full-at 2
spec-DEFINITION-full-at 5
spec-FEATURE-full-at 2
spec-NONGOAL-full-at 7
spec-UNDECIDED-full-at 2
```

## Get list of Paragraphs for all section

```
spec_ls
```

## Get list of Paragraphs for a section

```
spec_ls-SCENARIO
spec_ls-CONTRADICTION
spec_ls-DEFINITION
spec_ls-FEATURE
spec_ls-NONGOAL
spec_ls-UNDECIDED
```

## Get Comments of Paragraphs for a section

```
spec_comment-OVERVIEW
spec_comment-SCENARIO-at 2
spec_comment-CONTRADICTION-at 2
spec_comment-DEFINITION-at 2
spec_comment-FEATURE-at 2
spec_comment-NONGOAL-at 2
spec_comment-UNDECIDED-at 2
```

## Set Comment of Paragraph for a section

```
spec_comment_replace-OVERVIEW new.md
spec_comment_replace-SCENARIO new.md -at 2
spec_comment_replace-CONTRADICTION new.md -at 2
spec_comment_replace-DEFINITION new.md -at 2
spec_comment_replace-FEATURE new.md -at 2
spec_comment_replace-NONGOAL new.md -at 2
spec_comment_replace-UNDECIDED new.md -at 2
```

## Replace Sections

```
spec_replace-OVERVIEW new.md
spec_replace-SCENARIO new.md -at 2
spec_replace-CONTRADICTION new.md -at 2
spec_replace-DEFINITION new.md -at 2
spec_replace-FEATURE new.md -at 2
spec_replace-NONGOAL new.md -at 2
spec_replace-UNDECIDED new.md -at 2
```

## Move Sections

```
spec_mv-SCENARIO-at 2 -to 5
spec_mv-CONTRADICTION-at 2 -to 5
spec_mv-DEFINITION-at 2 -to 5
spec_mv-FEATURE-at 2 -to 5
spec_mv-NONGOAL-at 2 -to 5
spec_mv-UNDECIDED-at 2 -to 5
```

## Remove Sections

```
spec_rm-SCENARIO-at 2
spec_rm-CONTRADICTION-at 2
```

spec\_rm-DEFINITION-at 2  
spec\_rm-FEATURE-at 2  
spec\_rm-NONGOAL-at 2  
spec\_rm-UNDECIDED-at 2

## Get Meta Data of Overview / Spec

spec-RESPONSIBLE  
spec-STATE  
spec-DEADLINE  
spec-LASTUPDATE  
spec-ESTIMATEDHOURS  
spec-TITLE

## Get Meta Data of Section

spec-SCENARIO-RESPONSIBLE-at 2  
spec-SCENARIO-STATE-at 2  
spec-SCENARIO-DEADLINE-at 2  
spec-SCENARIO-LASTUPDATE-at 2  
spec-SCENARIO-ESTIMATEDHOURS-at 2  
spec-SCENARIO-TITLE-at 2

spec-CONTRADICTION-RESPONSIBLE-at 2  
spec-CONTRADICTION-STATE-at 2  
spec-CONTRADICTION-DEADLINE-at 2  
spec-CONTRADICTION-LASTUPDATE-at 2  
spec-CONTRADICTION-ESTIMATEDHOURS-at 2  
spec-CONTRADICTION-TITLE-at 2

spec-DEFINITION-RESPONSIBLE-at 2  
spec-DEFINITION-STATE-at 2  
spec-DEFINITION-DEADLINE-at 2  
spec-DEFINITION-LASTUPDATE-at 2  
spec-DEFINITION-ESTIMATEDHOURS-at 2  
spec-DEFINITION-TITLE-at 2

spec-FEATURE-RESPONSIBLE-at 2  
spec-FEATURE-STATE-at 2  
spec-FEATURE-DEADLINE-at 2  
spec-FEATURE-LASTUPDATE-at 2  
spec-FEATURE-ESTIMATEDHOURS-at 2  
spec-FEATURE-TITLE-at 2

spec-NONGOAL-RESPONSIBLE-at 2  
spec-NONGOAL-STATE-at 2  
spec-NONGOAL-DEADLINE-at 2  
spec-NONGOAL-LASTUPDATE-at 2  
spec-NONGOAL-ESTIMATEDHOURS-at 2  
spec-NONGOAL-TITLE-at 2

spec-UNDECIDED-RESPONSIBLE-at 2  
spec-UNDECIDED-STATE-at 2

```
spec-UNDECIDED-DEADLINE-at 2
spec-UNDECIDED-LASTUPDATE-at 2
spec-UNDECIDED-ESTIMATEDHOURS-at 2
spec-UNDECIDED-TITLE-at 2
```

## Set Meta Data of Overview / Spec

```
spec_set-RESPONSIBLE 'Peter Pan'
spec_set-PLANNING
spec_set-APPROVED
spec_set-PARTLY_IMPLEMENTED
spec_set-FULLY_IMPLEMENTED
spec_set-OBSOLET
spec_set-DEADLINE '2014-12-24'
spec_set-ESTIMATEDHOURS 12
spec_set-TITLE 'my title'
```

## Set Meta Data of Section

```
spec_set-SCENARIO-RESPONSIBLE 'Peter Pan' -at 2
spec_set-SCENARIO-PLANNING -at 2
spec_set-SCENARIO-APPROVED -at 2
spec_set-SCENARIO-PARTLY_IMPLEMENTED -at 2
spec_set-SCENARIO-FULLY_IMPLEMENTED -at 2
spec_set-SCENARIO-OBSOLET -at 2
spec_set-SCENARIO-DEADLINE '2014-12-24' -at 2
spec_set-SCENARIO-ESTIMATEDHOURS 12 -at 2
spec_set-SCENARIO-TITLE 'my title' -at 3
```

```
spec_set-CONTRADICTION-RESPONSIBLE 'Peter Pan' -at 2
spec_set-CONTRADICTION-PLANNING -at 2
spec_set-CONTRADICTION-APPROVED -at 2
spec_set-CONTRADICTION-PARTLY_IMPLEMENTED -at 2
spec_set-CONTRADICTION-FULLY_IMPLEMENTED -at 2
spec_set-CONTRADICTION-OBSOLET -at 2
spec_set-CONTRADICTION-DEADLINE '2014-12-24' -at 2
spec_set-CONTRADICTION-ESTIMATEDHOURS 3 -at 2
spec_set-CONTRADICTION-TITLE 'my title' -at 3
```

```
spec_set-DEFINITION-RESPONSIBLE 'Peter Pan' -at 2
spec_set-DEFINITION-PLANNING -at 2
spec_set-DEFINITION-APPROVED -at 2
spec_set-DEFINITION-PARTLY_IMPLEMENTED -at 2
spec_set-DEFINITION-FULLY_IMPLEMENTED -at 2
spec_set-DEFINITION-OBSOLET -at 2
spec_set-DEFINITION-DEADLINE '2014-12-24' -at 2
spec_set-DEFINITION-ESTIMATEDHOURS 3 -at 2
spec_set-DEFINITION-TITLE 'my title' -at 3
```

```
spec_set-FEATURE-RESPONSIBLE 'Peter Pan' -at 2
spec_set-FEATURE-PLANNING -at 2
spec_set-FEATURE-APPROVED -at 2
spec_set-FEATURE-PARTLY_IMPLEMENTED -at 2
```

spec\_set-FEATURE-FULLY\_IMPLEMENTED -at 2

spec\_set-FEATURE-OBSOLET -at 2

spec\_set-FEATURE-DEADLINE '2014-12-24' -at 2

spec\_set-FEATURE-ESTIMATEDHOURS 3 -at 2

spec\_set-FEATURE-TITLE 'my title' -at 3

spec\_set-NONGOAL-RESPONSIBLE 'Peter Pan' -at 2

spec\_set-NONGOAL-PLANNING -at 2

spec\_set-NONGOAL-APPROVED -at 2

spec\_set-NONGOAL-PARTLY\_IMPLEMENTED -at 2

spec\_set-NONGOAL-FULLY\_IMPLEMENTED -at 2

spec\_set-NONGOAL-OBSOLET -at 2

spec\_set-NONGOAL-DEADLINE '2014-12-24' -at 2

spec\_set-NONGOAL-ESTIMATEDHOURS 3 -at 2

spec\_set-NONGOAL-TITLE 'my title' -at 3

spec\_set-UNDECIDED-RESPONSIBLE 'Peter Pan' -at 2

spec\_set-UNDECIDED-PLANNING -at 2

spec\_set-UNDECIDED-APPROVED -at 2

spec\_set-UNDECIDED-PARTLY\_IMPLEMENTED -at 2

spec\_set-UNDECIDED-FULLY\_IMPLEMENTED -at 2

spec\_set-UNDECIDED-OBSOLET -at 2

spec\_set-UNDECIDED-DEADLINE '2014-12-24' -at 2

spec\_set-UNDECIDED-ESTIMATEDHOURS 3 -at 2

spec\_set-UNDECIDED-TITLE 'my title' -at 3