cmake.remark API Reference

https://github.com/train-it-eu/remark-cmake

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add_remark_engine()

```
# add_remark_engine(TargetName
#                    ENGINE file
#                    HTML_TEMPLATE file.html.in
#                    [RESOURCES resource...])
```

- Defines a *remark engine*

- `ENGINE` - path to a `remark.js` engine

- `HTML_TEMPLATE` - default HTML template to be used for slides generation

- `RESOURCES` - various dependencies used by your slide deck template (scripts, images, etc)

add_remark_engine() example

```
add_remark_engine(default_engine
    ENGINE scripts/remark-latest.min.js
    HTML_TEMPLATE template.html.in
    RESOURCES
        favicon.ico
        scripts/jquery.min.js
        scripts/laser_ptr.js
)
```

add_remark_style()

```
# add_remark_style(TargetName
#                   DEPENDS engine_or_parent_style
#                   [HTML_TEMPLATE file.html.in]
#                   [BASE_DIR dir]
#                   SOURCES src1 [src2...]
#                   [RESOURCES resource...])
```

- Defines *presentation style and slide layout*

- Hierarchical approach

- **DEPENDS** - name of a target created with **add_remark_engine()** or **add_remark_style()**

- **HTML_TEMPLATE** - style can overwrite a default HTML template defined by the engine

- **BASE_DIR** - subdirectory to prepend to every **SOURCE** and **RESOURCE**

- **SOURCES** - CSS files to use for the style

- **RESOURCES** - additional files used by the style (images, fonts, etc)

add_remark_style() example

```
add_remark_style(remark-style-base
    DEPENDS default_engine
    SOURCES
        css/base.css
)
```

```
add_remark_style(remark-style-default
    DEPENDS remark-style-base
    SOURCES
        css/default.css
        css/default_colors.css
)
```

add_remark_language()

```
# add_remark_language(TargetName
#                      [BASE_DIR dir]
#                      SOURCES src1 [src2...])
```

- Defines/Overwrites *highlighting* for specific language
- **BASE_DIR** - subdirectory to prepend to every **SOURCE**
- **SOURCES** - JavaScript files with highlighting definition

add_remark_language() example

```
add_remark_language(remark-language-cmake
    SOURCES
        scripts/cmake.language.js
)
```

add_remark_slides()

```
# add_remark_slides(TargetName [ALL] [HANDOUTS]
#                    NAME name
#                    [TITLE title]
#                    STYLE style
#                    [HTML_TEMPLATE file.html.in]
#                    [STYLE_TEMPLATE file.css.in]
#                    [SCRIPT java_script]
#                    [CHAPTERS chapter...]
#                    [MARKDOWN_SLIDES file.md...]
#                    [LANGUAGES language...])
#                    [RESOURCES resource...])
```

- Defines *one presentation*

add_remark_slides()

- **ALL** - defines that the CMake target should be built by default
- **HANDOUTS** - generates presentation handouts (no animations, some slides can be excluded)
- **NAME** - name of the output directory and HTML file
- **TITLE** - title visible in a tab browser
- **STYLE** - name of a style target created with **add_remark_style()**
- **HTML_TEMPLATE** - each presentation can overwrite a default HTML template
- **STYLE_TEMPLATE** - presentation specific customization of **STYLE**
- **SCRIPT** - custom JavaScript to be used with that presentation
- **CHAPTERS** - names of chapter targets created with **add_remark_chapter()**
- **MARKDOWN_SLIDES** - markdown files to aggregate in a presenation (if chapters are not used)
- **LANGUAGES** - name of language target created with **add_remark_language()**
- **RESOURCES** - resources used by the presentation (i.e. images)

add_remark_slides() example

```
add_remark_slides(example_presentation ALL
    NAME "Slides_about_CMake_with_CMake"
    TITLE "How to create slides about CMake with CMake?"
    STYLE remark-style-default
    STYLE_TEMPLATE style.css.in
    MARKDOWN_SLIDES slides.md
    LANGUAGES
        remark-language-cmake
    RESOURCES
        img/questions.jpg
        img/train-it.png
        img/warning.png
)
```

add_remark_chapter()

```
# add_remark_chapter(TargetName
#                     [BASE_DIR dir]
#                     MARKDOWN_SLIDES file.md [file2.md...]
#                     [RESOURCES resource...])
```

- **BASE_DIR** - subdirectory to prepend to every **MARKDOWN_SLIDE** and **RESOURCE**

- **MARKDOWN_SLIDES** - markdown files to be aggregated into a presentation chapter

- **RESOURCES** - resources used by the presentation chapter (i.e. images)

add_remark_chapter() example

```
set(TRAINING_NAME "api_reference")

add_remark_chapter(${TRAINING_NAME}_chapter_title
    BASE_DIR "1 - Title"
    MARKDOWN_SLIDES
        slides.md
)

add_remark_chapter(${TRAINING_NAME}_chapter_api
    BASE_DIR "2 - API Reference"
    MARKDOWN_SLIDES
        slides.md
)

add_remark_chapter(${TRAINING_NAME}_chapter_end
    BASE_DIR "3 - End"
    MARKDOWN_SLIDES
        slides.md
    RESOURCES
        img/warning.png
)
```

add_remark_chapter() example

```cmake
set(TRAINING_NAME "api_reference")

add_remark_chapter(${TRAINING_NAME}_chapter_title
    BASE_DIR "1 - Title"
    MARKDOWN_SLIDES
        slides.md
)

add_remark_chapter(${TRAINING_NAME}_chapter_api
    BASE_DIR "2 - API Reference"
    MARKDOWN_SLIDES
        slides.md
)

add_remark_chapter(${TRAINING_NAME}_chapter_end
    BASE_DIR "3 - End"
    MARKDOWN_SLIDES
        slides.md
    RESOURCES
        img/warning.png
)
```

```cmake
add_remark_slides(${TRAINING_NAME} ALL HANDOUTS
    NAME ${TRAINING_NAME}
    TITLE "cmake.remark API Reference"
    STYLE remark-style-default
    STYLE_TEMPLATE style.css.in
    LANGUAGES
        remark-language-cmake
    CHAPTERS
        ${TRAINING_NAME}_chapter_title
        ${TRAINING_NAME}_chapter_api
        ${TRAINING_NAME}_chapter_end
)
```

Handouts generation

Original

```
# Slide with animation

This part

--

and this part

--

will not generate separate slides in handouts

---

exclude: handouts
# Slide that should not be included in handouts

This slide wil not be included in handouts

---

# Next slide
```

Handouts

```
# Slide with animation

This part

and this part

will not generate separate slides in handouts

---

# Next slide
```

- Handouts generator removes
  - all `--` animation breaks
  - whole slides with `exclude: handouts`
- Useful for PDF files generation

More info?

https://github.com/train-it-eu/remark-cmake

- `remark.cmake` script
- Source of *that presentation*
- Presentation with *API Reference*
- Example *style and layout*
- Simple JavaScript scripts (i.e. *laser*)
- Custom *highlighting for CMake* language

CAUTION
Programming
is addictive
(and too much fun)