

# IQreport :: CHEAT SHEET



**IQreport** enables to easily generate **submission-ready reports** in the **word (.docx) format**, using the **template** of your choice via a simple and syntax derived from markdown.

## Getting started

### INSTALLATION

#### • Local installation

**IQreport** is compatible with windows (Windows logo), macOS (Apple logo) and linux (Tux logo). Follow the installation instructions for your operating system on [iqreport.intiquan.com](http://iqreport.intiquan.com)

#### • IQDesktop

**IQreport** comes pre-installed and validated on any of our **IQDesktop** images. Learn more on [iqdesktop.intiquan.com](http://iqdesktop.intiquan.com)

### EDITING DOCUMENTS

**IQreports** are simple text files typically with the extension **RMD** which can be created and edited in any text editor.

*Note: we recommend using **Visual Studio Code** or **Notepad++** for which **IQreport** extensions bring syntax highlighting and snippets*

### COMPILING DOCUMENTS

Through this step the RMD file is converted into a word report. During the compilation, informative error messages are returned to the console to help fixing issues in the RMD.

#### • Via R

```
library(IQReportAPI)
IQReport("example.RMD")
```

#### • Via the command line

```
IQReport.bat "example.RMD"
IQReport.sh "example.RMD"
```

### FINALIZING DOCUMENTS

Select all the word document text (Windows logo: ctrl + A, Apple logo: cmd + A) and press **F9** to update all hyperlinks.

Save the word document, done !

## Sections

### Document header

*IQreports must start by a header defining: title, date, author template (.rmdt) name and more depending on the template used.*

```
=====
TITLE:    My first report
DATE:     2020-05-13
AUTHOR:   Bruce Wayne, IntiQuan GmbH
TEMPLATE: DefaultStyle.rmdt
=====
```

### Section Headers

```
# Level 1                1. Level 1
## Level 2 {#ref_label}  1.1. Level 2
### Level 3              1.1.1 Level 3

#* Unnumbered level 1    Unnumbered level 1
```

### Special keywords

```
!APPENDIX Placeholder for the appendix section
!APPROVALS Placeholder for the approval/signature page

!NOINTRO Remove the title page, table of contents, lists of
          tables and figures

!NEWPAGE Insert a page break
!LANDSCAPE Landscape page orientation (includes a page break)
!PORTRAIT Portrait page orientation (includes a page break)
```

### Insert comments

```
% Comment Comment the report (not visible in word document)
!COM(text) Insert a comment in word
```

### Insert footnotes

```
A footnote reference [^1].
[^1]: The footnote content
```

### Insert tables, figures and documents

*Note: arguments in grey are optional.*

```
!TABINLINE[caption, label] Insert inline table
| Left | Center | Right |
|:---- |:-----|:-----|
| A    | B      | C      |
{footnote} size (points), ignoreCaption (true/false),
style (word style), valueTable (true/false),
Vtlabel (label col), Vtvalue (value col)
```

```
!TAB[caption, label] (path) Insert table (from file)
size (points), ignoreCaption (true/false),
style (word style), valueTable (true/false),
Vtlabel (label col), Vtvalue (value col)
```

```
!FIG[caption, label] (path) Insert figure
{legend} crop (true/false), scale (0-100), center (true/false),
pages (1-last), repeatLegend (true/false),
ignoreCaption (true/false)
```

```
!PDF[caption, label] (path) Insert PDF file
crop (true/false), scale (0-100), center (true/false),
pages (1-last), repeatLegend (true/false),
ignoreCaption (true/false)
```

```
!TXT[caption, label] (path) Insert text file (e.g. model code)
size (points), style (word style)
```

### Cross referencing

```
@URL[text] (url)          Insert URL link
@SEC[text] (label)        Reference a section
                           Note: [@SEC[Author Year](references)] can be used to
                           add references
@TAB[text] (label)        Reference a table or inline table
@FIG[text] (label)        Reference a figure
@TXT[text] (label)        Reference a text file
@VAL[Vtable label] (label) Use a value from a value table
```

## Text formatting

### Base formatting

*Note: to create paragraphs simply leave empty rows between blocs of text. The effect of special characters such as !, ~, ^, \* can be escaped if they are preceded by a \ e.g. \\**

```
Plain text                Plain text
Nonbreaking!~!~!~spaces Nonbreaking spaces
En !- dash                En - dash
E = mc^2^                 E = mc^2
C~max~                    C_max
~~strikethrough~~        strikethrough
*italic* and **bold**    italic and bold
---- (horizontal rule)
```

### Size and Color

```
!BLUE(Blue text)         Blue text
!GREEN(Green text)       Green text
!RED(Red text)            Red text

!TEXTSTYLE[size, color](text)
size (points), color (name or hexadecimal)
!TEXTSTYLE[size:7,color:#ED7D31](Tiny orange text)
```

### Style a block of text

*Note: additional xml formatting options can be found [here](#)*

```
!BLOCKSTART[options] (label)
text
!BLOCKEND (label)
options (e.g. justify:center, style:mystyle, indent:left=100 right=200, color:blue),
label (block label, match start and end),
text (text, lists, sections, figures, tables, etc.)
```

### Equations

*Note: equations can be formatted using the Tex math syntax*

```
$$block equation$$
$inline equation$
$CL_i = TVCL * exp(\eta_i)$
CL_i = TVCL * exp(\eta_i)
```

### Lists

*Note: each sub-level must be indented by 2 additional spaces. A blank line should always precede a list. Symbols \*, + or - can be used*

```
* Item 1
* Item 2
  + Sub-item
1. Item 1
1. Item 2

• Item 1
• Item 2
  - Sub-item
1. Item 1
2. Item 2
```