

Rapport de travail

Rendu intermédiaire

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1^{er} novembre 2021

Résumé

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Chapitre 1

Introduction

A partir d'un document Markdown, obtenir un fichier en PDF ou DOCX de qualité scientifique en passant par Latex avec Pandoc, pour des rapports, des travaux de fin d'étude ou des supports de cours.

- Liste des :
 - listing de codes,
 - figures,
 - tableaux,
 - références bibliographiques.
- Mermaid.
- Mathjax.
- Notes de bas de page.
- Mise en page :
 - book,
 - report,
 - article.

1.1 Citation

Blah blah.¹

Blah blah F.-E. Goffinet²

Blah blah³

1.2 Math

Lorem ipsum dolor sit amet,

$$f(x) = \sum_{n=0}^{\infty} \frac{f^{(n)}(a)}{n!} (x - a)^n$$

consectetur adipiscing elit.

1.2.1 Superscript/Subscript

H₂O is a liquid. 2¹⁰ is 1024.

1.3 Multi columns

¹J.D. Watson et F.H.C. Crick, « Molecular structure of nucleic acids : a structure for deoxyribose nucleic acid », *Nature*, 1953, 171, 4356, p. 737-738.

²Chiffement des mots de passes locaux en Cisco IOS, <https://cisco.goffinet.org/ccna/gestion-infrastructure/chiffement-des-mots-de-passes-locaux-cisco-ios/>, 2021.

³F.-E. Goffinet, *Ibid.*

1.3.1 H3 - a

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1.3.2 H3 - b

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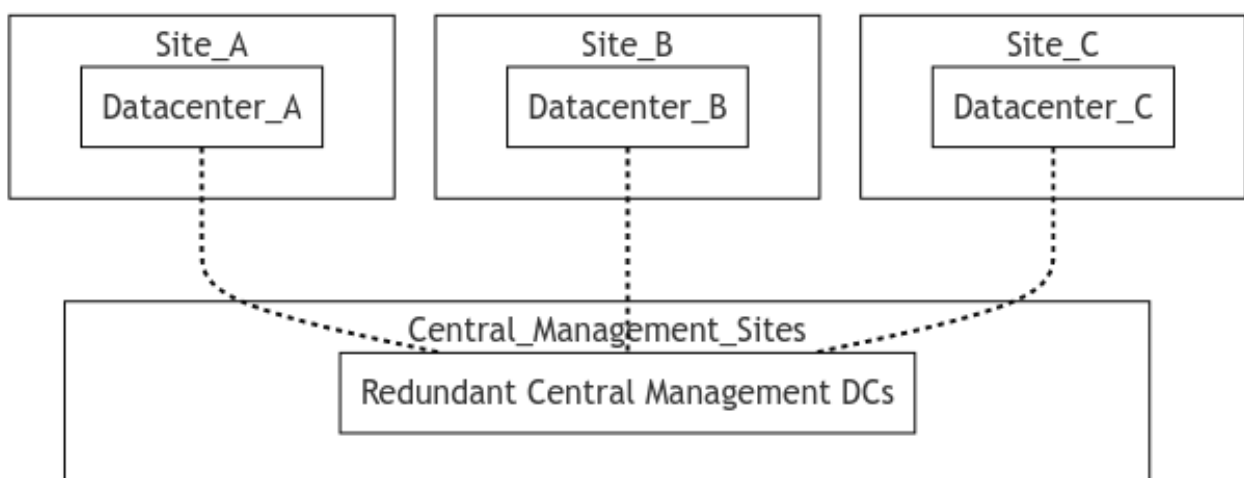
1.3.3 H3 - c

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1.4 Diagramme Mermaid

Diagramme Mermaid⁴.



⁴Mermaid lets you create diagrams and visualizations using text and code.

Chapitre 2

Examples

2.1 Skeleton of a dog

Skeleton of a dog ¹.

A – Cervical or Neck Bones (7 in number). **B** – Dorsal or Thoracic Bones (13 in number, each bearing a rib). **C** – Lumbar Bones (7 in number). **D** – Sacral Bones (3 in number). **E** – Caudal or Tail Bones (20 to 23 in number).

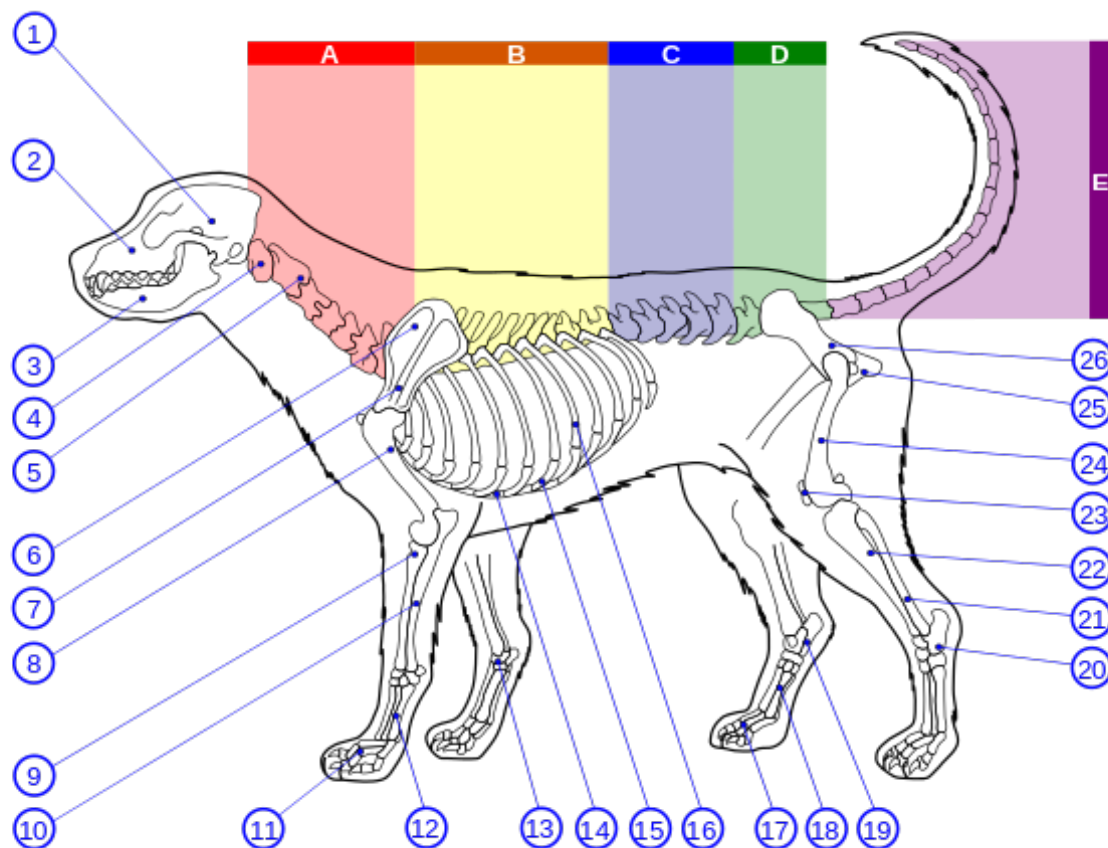


Fig. 2.1 : Skeleton of a dog

- 1 – Cranium, or Skull.
- 2 – Maxilla.
- 3 – Mandible, or Lower jaw .

¹Skeleton of a dog

- 4 – Atlas.
- 5 – Axis.
- 6 – Scapula, or Shoulder-blade.
- 7 – Spine of scapula.
- 8 – Humerus.
- 9 – Radius.
- 10 – Ulna.
- 11 – Phalanges.
- 12 – Metacarpal Bones.
- 13 – Carpal Bones or Wrist-bones.
- 14 – Sternum, or Breast-bone.
- 15 – Cartilaginous part of rib.
- 16 – Ribs (13 in number).
- 17 – Phalanges.
- 18 – Metatarsal Bones.
- 19 – Tarsal Bones.
- 20 – Calcaneus (os calcu).
- 21 – Fibula.
- 22 – Tibia.
- 23 – Patella, or Knee-cap.
- 24 – Femur.
- 25 – Ischium.
- 26 – Pelvis, or Hip-bone.

2.2 Linux skeleton

Listing 2.1 Bash code

```
root@scw-sad-nash:~# tree -L 1 /
/
├── bin -> usr/bin
├── boot
├── data
├── dev
├── etc
├── home
├── lib -> usr/lib
├── lib32 -> usr/lib32
├── lib64 -> usr/lib64
├── libx32 -> usr/libx32
├── lost+found
├── media
├── mnt
├── opt
├── proc
├── root
├── run
├── sbin -> usr/sbin
├── snap
├── srv
├── sys
├── tmp
├── usr
└── var
```

24 directories, 0 files

2.3 Python code

Listing 2.2 Python code

```
def find_first_address(address):  
    """Find the network address.  
  
    :return: the network address  
    :rtype: str  
    """  
    first_address = self.integer & self.netmask_integer  
    return IPAddress(first_address).from_integer(self.version)
```

Chapitre 3

Markdown styles

3.1 Emphasis

This is bold text

This is bold text

This is italic text

This is italic text

~~Strikethrough~~

The `\newpage` latex tag create a page break.

3.2 Lists

3.2.1 Unordered

- Create a list by starting a line with -, or *
- Sub-lists are made by indenting 2 spaces :
 - Marker character change forces new list start :
 - * Ac tristique libero volutpat at
 - * Facilisis in pretium nisl aliquet
 - * Nulla volutpat aliquam velit
- Very easy!

3.2.2 Ordered

1. Lorem ipsum dolor sit amet
2. Consectetur adipiscing elit
3. Integer molestie lorem at massa
4. You can use sequential numbers...
5. ...or keep all the numbers as 1.

Start numbering with offset :

57. foo
58. bar

3.3 Code

Inline code

Indented code

```
// Some comments  
line 1 of code  
line 2 of code  
line 3 of code
```

Block code “fences”

Sample text here...

Syntax highlighting

```
var foo = function (bar) {  
  return bar++;  
};
```

```
console.log(foo(5));
```

Listing 3.1 Haskell code

```
main :: IO ()  
main = putStrLn "Hello World!"
```

3.4 Tables

Tab. 3.1 : Table 1

Item	Avantages	Inconvénient
Item 1	Avantage 1	Inconvénient 1
Item 2	Avantage 3	Inconvénient 2
Item 3	Avantage 3	Inconvénient 3
Item 4	Avantage 4	Inconvénient 4

Tab. 3.2 : Table 2

Option	Description
data	path to data files to supply the data that will be passed into templates. engine to be used for processing templates. Handlebars is the default.
engine	
ext	extension to be used for dest files.

Right aligned columns

Tab. 3.3 : Table 3

Option	Description
data	path to data files to supply the data that will be passed into templates.
engine	engine to be used for processing templates. Handlebars is the default.
ext	extension to be used for dest files.

3.5 Links

[link text](#)

[link with title](#)

Autoconverted link <https://github.com/nodeca/pica>

3.6 Images

Like links, Images also have a footnote style syntax

With a reference later in the document defining the URL location :

3.7 Boxes

NOTE

It works with almost all markdown flavours (the below blank line matters).

NOTE : The note content.



Fig. 3.1 : Minion



Fig. 3.2 : Alt text

Chapitre 4

Conclusion

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Chapitre 5

Liste des figures, tableaux et listings de code

Table des figures

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Liste des tableaux

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Bibliographie

Goffinet F.-E., *Chiffement des mots de passes locaux en Cisco IOS*, <https://cisco.goffinet.org/ccna/gestion-infrastructure/chiffrement-des-mots-de-passes-locaux-cisco-ios/> , 2021.

Watson J. D. et Crick F. H. C., « [Molecular structure of nucleic acids : a structure for deoxyribose nucleic acid](#) », *Nature*, 1953, 171, 4356, p. 737-738.