

# Sncode

- Key concepts:
  - Sncode is a compiled language
  - Uses a virtual machine to execute code
  - Rich and extensible library
  - External modules
  - Simple syntax for non programmer
  - Power-full for professional programmer

compile, virtual machine etc.

- Interpreted language, PHP, Ruby
- Compile language : C
- Virtual machine : Java, C#, Sncode
- JIT : Just in Time
- Assembler
- Machine code

# Sncode concepts

- File with extension .sn are compile and execute
- File with extension .snc are file already compiled in binary
- Convention use in the naming of site:

<https://ssnode.sednove.com> for the staging version

<https://sncode.sednove.com> for the production version

## Sncode concepts #2

- staging require a login to modify the site
- Production deployment (or publishing) is the process of copying the file from staging to production
- Directory for staging is /staging
- Directory for html is /html

# Sncode

- In a page everything that is not between {{ and }} is print as-is
- {{ Start Sncode
- }} End Sncode
- All text outside of Sncode is returned to the browser without being parsed

# IDE

- Introduction to IDE in Extenso
- How to execute a program:
  - In staging : <https://ssncode.sednove.com/ex.sn>
  - In html : <https://sncode.sednove.com/ex.sn>

# Simple example

- ```
<html>
  <body>
    <h1>{{ "Date is "; datetime(); }}</h1>
  </body>
</html>
```

# Exercices

- Exercice #1 : try to reproduce the previous example.
  - Create a file in /staging/ex1.sn
  - Execute it with the URL <https://ssncode.sednove.com/ex1>
- Exercice #2 Only display the time not the date

PS : <https://extenso.live>

- PS #2 <https://getbootstrap.com/docs/4.5/getting-started/introduction/>



# Sncode's documentation

- All documentation under <https://extenso.live>
- <https://module.sednove.com>
- Man pages under Linux:

`man sql`