

# Cast2cloud - a new way to learn Cast3M

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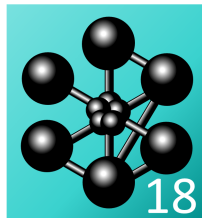
November 30, 2018

**Cast2cloud**

<https://cast2cloud.com/>

# Key idea of Cast2cloud

- Powerful solvers
- Flexibility in use
- Reliability of calculations

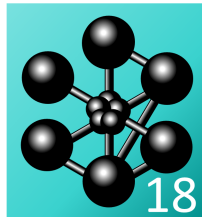


# Key idea of Cast2cloud

- New users
- Users not familiar with programming

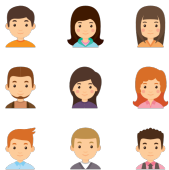


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- Particular programming language (Gibiane)



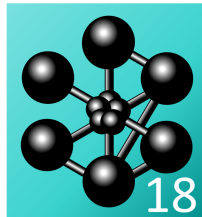
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**UI, Web-app !**

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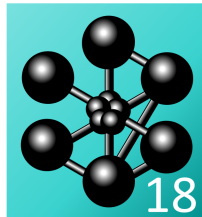


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# Cast2cloud for All



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Engineers



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Students



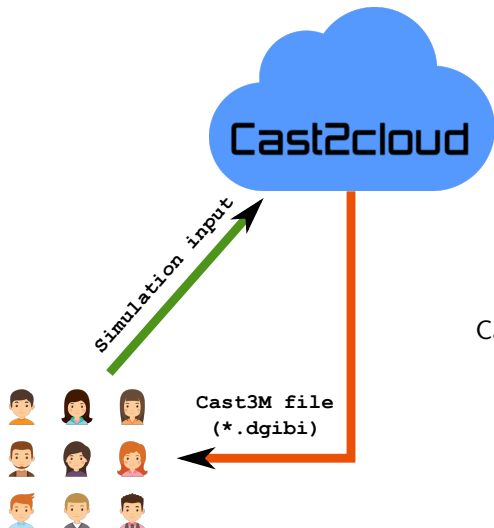
Engineers



Researchers



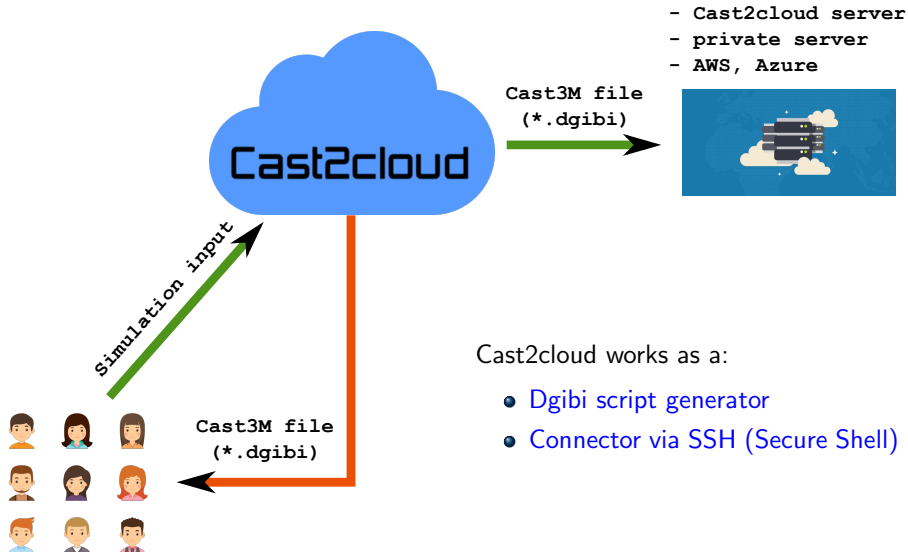
# Workflow



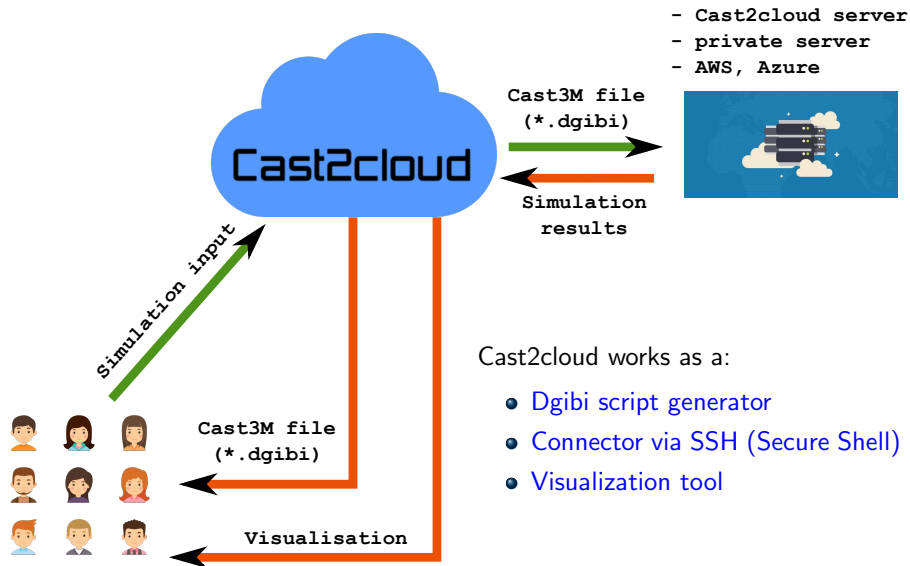
Cast2cloud works as a:

- Dgibi script generator

# Workflow



# Workflow



# Features

|                                               | Guest users | Registered users |
|-----------------------------------------------|-------------|------------------|
| ■ Create mesh with simple geometries          | ✓           | ✓                |
| ■ Import MED MSH UNV mesh file                |             | ✓                |
| ■ Access to material library                  | ✓           | ✓                |
| ■ Access to all material behavior models      | ✓           | ✓                |
| ■ Edit and download the dgibi script          | ✓           | ✓                |
| ■ Download converted mesh                     |             | ✓                |
| ■ Run generated script with Cast2cloud server |             | ✓                |
| ■ Connect to custom computation server        |             | ✓                |
| ■ Visualize local vtu files                   | ✓           | ✓                |
| ■ Visualize remote results                    |             | ✓                |

# Portability

- Several web browsers (except IE)



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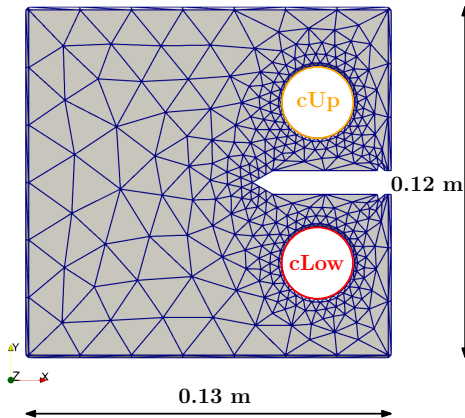
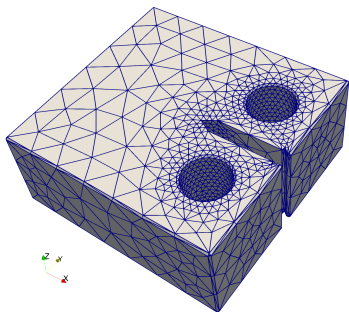


- Several devices: PC, tablet, mobile



*Ex: Cast2cloud on Ipad*

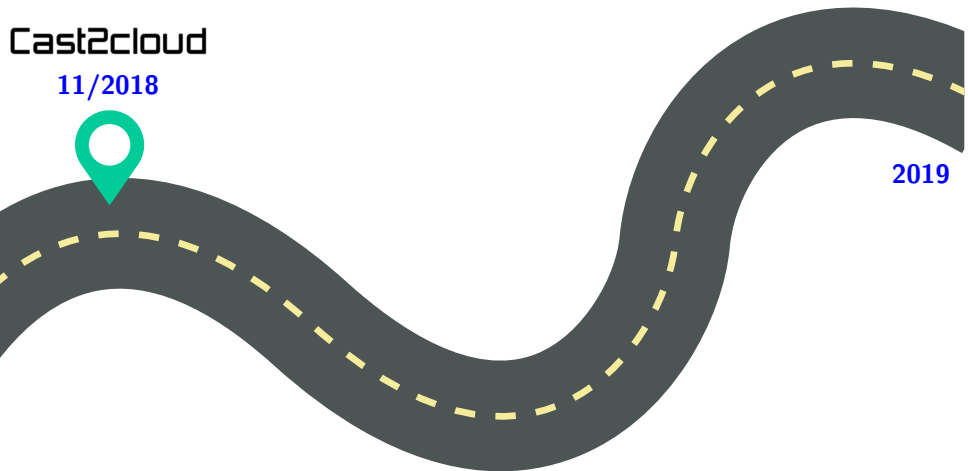
# Example



# Cast2cloud

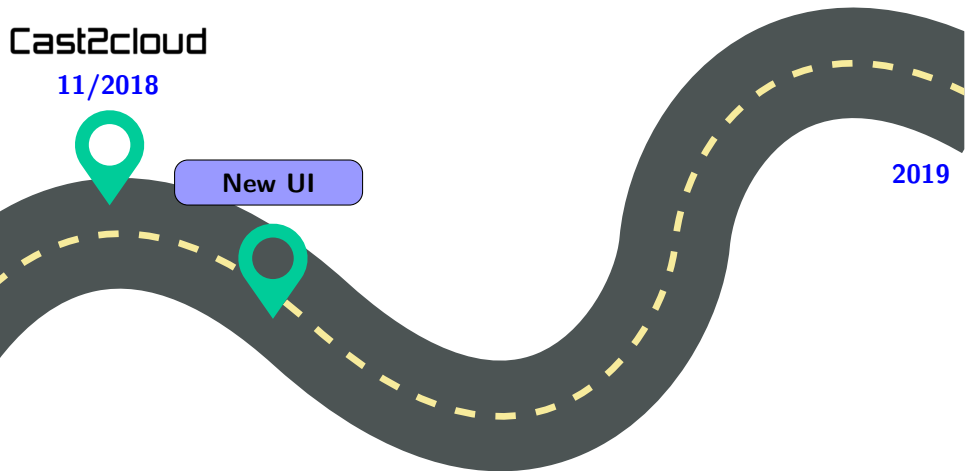
**cLow** fixed,  $UY(cUp) = f(T)$

# Roadmap

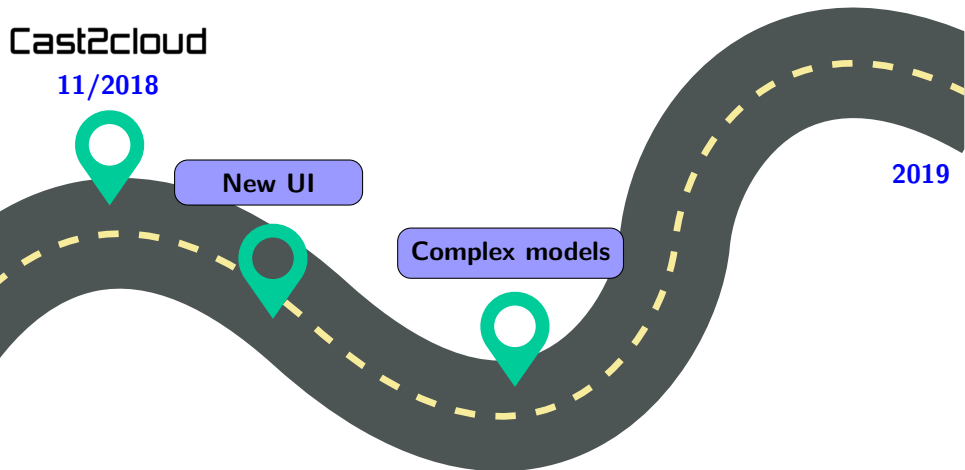




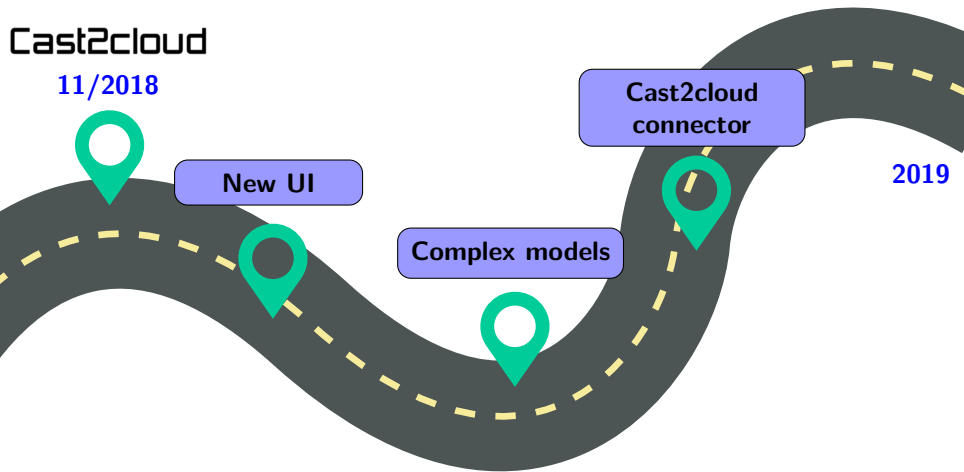
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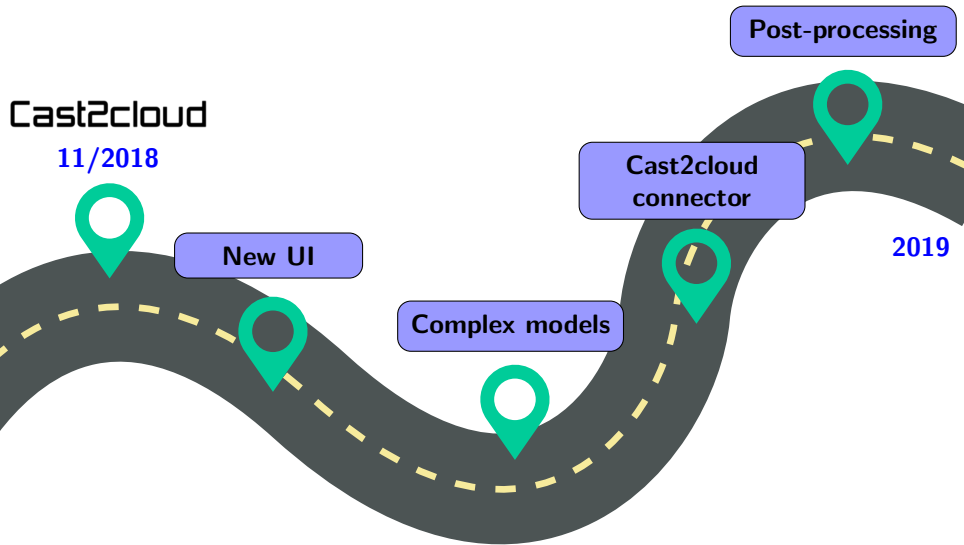
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# Cast2cloud

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- Mail: [contact@cast2cloud.com](mailto:contact@cast2cloud.com)
- Youtube : [Cast2cloud channel](#)

Thank you  
for your attention

