

### 04: Template languages (jinja2)

https://github.com/matthiaskoenig/itbtechtalks

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# Templates

#### Templating engine

- renders template with given data

### MVC (model-view-controller)

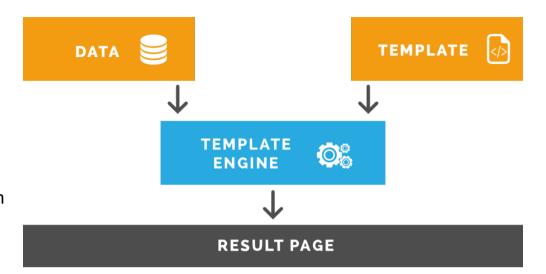
- separate internal representation of information from the ways information is presented (output formats)
- traditionally used in GUIs & web applications

#### Advantages

- code reuse (avoiding duplication)
- decoupling of data/content from output
- powerful pattern for many use cases

#### Applications

- create reports (HTML, XML)
- transform model/data in different formats & languages
- Jinja2 is a full featured Python template engine
  - Template inheritance makes it possible to use the same or a similar layout for all templates.
  - High performance with just in time compilation to Python bytecode.



```
{% extends "layout.html" %}
{% block body %}

    {% for user in users %}
        <a href="{{ user.url }}">{{ user.username }}</a>
    {% endfor %}

{% endblock %}
```

## References

 Jinja2 Template engine http://jinja.pocoo.org/