1. **Creation of templates for the formation of documents.**

Templates are created in docx format in MS-Word editor. The data is uploaded in json format to files.

To display data fields, their names are framed with two curly braces: {{DocN}}

You can also use control structures:

1. Conditions

{% if isTel==’X’ %}

<text1>

{% else %}

<text2>

{% endif %}

1. Cycles

{%tr for i in inet\_svcs %}

< output of arbitrary text and fields of the inet\_svcs array. For example, to display the tp field from the inet\_svcs array, you need to specify {{i.tp}} >

{%tr endfor %}

You can also use csv format, but it will not be possible to use tables with a set of rows inside the document (one-to-many relationship)

1. **Launching the program for generating contracts in docx and pdf.**

To generate documents based on the created templates and uploaded data, you need to run the gen\_contracts.exe program with a set of parameters (if you run it without parameters, you will be prompted in a dialog to confirm the default value of each parameter or replace it with a new one):

|  |  |  |
| --- | --- | --- |
| parameter | Default value | description |
| --data\_path | data | Path to data files |
| --data\_mask | \*.json | Data file mask (\*.json or \*.csv) |
| --templ\_path | templates | Path to docx templates |
| --output\_path | output | Folder for output docx and pdf files and execution log file |
| --no-pdf |  | --no-pdf - don't create pdf (docx only) --pdf - create pdf |
| --no-replace |  | --no-replace - do not recreate previously created files |
| --log\_file | output.log | --replace - recreate files |
| --encode | ansi | Log file name |
| --csv\_delimiter | ; | Delimiter in csv file |
|  |  |  |

The program works according to the following algorithm

1) Open json/csv files with data one by one

2) Parses json/csv fields,

3) for each line creates a docx file with the specified name in the \_filename field according to the template from the \_docx\_template field

4) creates a pdf from the created docx (if the --pdf parameter is specified)

Run example:

>gen\_contracts.exe --data\_path data --data\_mask \*.json --templ\_path templates --output\_path output --no-pdf --no-replace --log\_file output.log --encode ansi --csv\_delimiter ;

Log example:

2022-04-02 22:18:02,755 - INFO - Open data file: data\test1.csv

2022-04-02 22:18:02,833 - INFO - File generated: "output/100005".docx

2022-04-02 22:18:02,912 - INFO - File generated: "output/100006".docx

2022-04-02 22:19:03,112 - INFO - Open data file: data\test.json

2022-04-02 22:19:03,206 - INFO - File generated: "output/100001".docx

2022-04-02 22:19:03,284 - INFO - File generated: "output/100002".docx

2022-04-02 22:19:03,362 - INFO - File generated: "output/100003".docx