



# Datetime parser

This OutputParser shows out to parse LLM output into datetime format.

```
from langchain.prompts import PromptTemplate
from langchain.output_parsers import DatetimeOutputParser
from langchain.chains import LLMChain
from langchain.llms import OpenAI
```

## API Reference:

- `PromptTemplate` from `langchain.prompts`
- `DatetimeOutputParser` from `langchain.output_parsers`
- `LLMChain` from `langchain.chains`
- `OpenAI` from `langchain.llms`

```
output_parser = DatetimeOutputParser()
template = """Answer the users question:
```

```
{question}
```

```
{format_instructions}"""
```

```
prompt = PromptTemplate.from_template(
    template,
    partial_variables={"format_instructions":
output_parser.get_format_instructions()},
)
```

```
chain = LLMChain(prompt=prompt, llm=OpenAI())
```

```
output = chain.run("around when was bitcoin founded?")
```

```
output
```

```
'\n\n2008-01-03T18:15:05.000000Z'
```

```
output_parser.parse(output)
```

```
datetime.datetime(2008, 1, 3, 18, 15, 5)
```