SerpAPI

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This notebook goes over how to use the SerpAPI component to search the web.

```python
from langchain.utilities import SerpAPIWrapper
```

```python
search = SerpAPIWrapper()
```

```python
search.run("Obama's first name?")
```

```
'Barack Hussein Obama II'
```

Custom Parameters

You can also customize the SerpAPI wrapper with arbitrary parameters. For example, in the below example we will use `bing` instead of `google`.

```python
params = {
    "engine": "bing",
    "gl": "us",
    "hl": "en",
}
search = SerpAPIWrapper(params=params)
```

```python
search.run("Obama's first name?")
```

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'Barack Hussein Obama II is an American politician who served as the 44th
president of the United States from 2009 to 2017. A member of the Democratic
Party, Obama was the first African-American presi…New content will be added above
the current area of focus upon selectionBarack Hussein Obama II is an American
politician who served as the 44th president of the United States from 2009 to
2017. A member of the Democratic Party, Obama was the first African-American
president of the United States. He previously served as a U.S. senator from
Illinois from 2005 to 2008 and as an Illinois state senator from 1997 to 2004, and
previously worked as a civil rights lawyer before entering
politics.Wikipediabarackobama.com'