

# File Directory

This covers how to load all documents in a directory.

Under the hood, by default this uses the [UnstructuredLoader](#)

```
from langchain.document_loaders import DirectoryLoader
```

We can use the `glob` parameter to control which files to load. Note that here it doesn't load the `.rst` file or the `.html` files.

```
loader = DirectoryLoader('../', glob="**/*.md")
```

```
docs = loader.load()
```

```
len(docs)
```



```
1
```

## Show a progress bar

By default a progress bar will not be shown. To show a progress bar, install the `tqdm` library (e.g. `pip install tqdm`), and set the `show_progress` parameter to `True`.

```
loader = DirectoryLoader('../', glob="**/*.md", show_progress=True)
docs = loader.load()
```

```
Requirement already satisfied: tqdm in /Users/jon/.pyenv/versions/3.9.16/envs/microbiome-
app/lib/python3.9/site-packages (4.65.0)
```

```
0it [00:00, ?it/s]
```

## Use multithreading

---

By default the loading happens in one thread. In order to utilize several threads set the `use_multithreading` flag to true.

```
loader = DirectoryLoader('../', glob="**/*.md", use_multithreading=True)
docs = loader.load()
```

## Change loader class

---

By default this uses the `UnstructuredLoader` class. However, you can change up the type of loader pretty easily.

```
from langchain.document_loaders import TextLoader
```

```
loader = DirectoryLoader('../', glob="**/*.md", loader_cls=TextLoader)
```

```
docs = loader.load()
```

```
len(docs)
```

```
1
```

If you need to load Python source code files, use the `PythonLoader`.

```
from langchain.document_loaders import PythonLoader
```

```
loader = DirectoryLoader('../.../.../.../...', glob="**/*.py", loader_cls=PythonLoader)
```

```
docs = loader.load()
```

```
len(docs)
```

691

# Auto detect file encodings with TextLoader

In this example we will see some strategies that can be useful when loading a big list of arbitrary files from a directory using the `TextLoader` class.

First to illustrate the problem, let's try to load multiple text with arbitrary encodings.

```
path = '../../../tests/integration_tests/examples'
loader = DirectoryLoader(path, glob="**/*.txt", loader_cls=TextLoader)
```

## A. Default Behavior

```
loader.load()
```

```
<pre style="white-space:pre;overflow-x:auto;line-height:normal;font-family:Menlo,'DejaVu Sans Mono',consolas,'Courier New',monospace"><span style="color: #800000; text-decoration-color: #800000">Traceback </span><span style="color: #bf7f7f; text-decoration-color: #bf7f7f; font-weight: bold">(most recent call last)</span><span style="color: #800000; text-decoration-color: #800000">
</span>
<span style="color: #800000; text-decoration-color: #800000">|</span> <span style="color: #bfbf7f; text-decoration-color: #bfbf7f">/data/source/langchain/langchain/document_loaders/</span><span style="color: #808000; text-decoration-color: #808000; font-weight: bold">text.py</span><span style="color: #0000ff; text-decoration-color: #0000ff">:
</pre>
```

```

#0000ff">29</span> in <span style="color: #00ff00; text-decoration-color: #00ff00">load</span>
<span style="color: #800000; text-decoration-color: #800000">|</span>
<span style="color: #800000; text-decoration-color: #800000">|</span>
<span style="color: #800000; text-decoration-color: #800000">|</span>
<span style="color: #800000; text-decoration-color: #800000">|</span> <span style="color: #7f7f7f; text-
decoration-color: #7f7f7f">26 </span><span style="color: #7f7f7f; text-decoration-color: #7f7f7f">| |
</span>text = <span style="color: #808000; text-decoration-color: #808000">""</span>
<span style="color: #800000; text-decoration-color: #800000">|</span>
<span style="color: #800000; text-decoration-color: #800000">|</span> <span style="color: #7f7f7f; text-
decoration-color: #7f7f7f">27 </span><span style="color: #7f7f7f; text-decoration-color: #7f7f7f">| | </span>
<span style="color: #0000ff; text-decoration-color: #0000ff">with</span> <span style="color: #00ffff; text-
decoration-color: #00ffff">open</span>(<span style="color: #00ffff; text-decoration-color:
#00ffff">self</span>.file_path, encoding=<span style="color: #00ffff; text-decoration-color:
#00ffff">self</span>.encoding) <span style="color: #0000ff; text-decoration-color: #0000ff">as</span> f:
<span style="color: #800000; text-decoration-color: #800000">|</span>
<span style="color: #800000; text-decoration-color: #800000">|</span> <span style="color: #7f7f7f; text-
decoration-color: #7f7f7f">28 </span><span style="color: #7f7f7f; text-decoration-color: #7f7f7f">| | |
</span><span style="color: #0000ff; text-decoration-color: #0000ff">try</span>:
<span style="color: #800000; text-decoration-color: #800000">|</span>
<span style="color: #800000; text-decoration-color: #800000">|</span> <span style="color: #800000; text-decorati
color: #800000">> </span>29 <span style="color: #7f7f7f; text-decoration-color: #7f7f7f">| | | </span>
= f.read()
<span style="color: #800000; text-
decoration-color: #800000">|</span>
<span style="color: #800000; text-decoration-color: #800000">|</span> <span style="color: #7f7f7f; text-
decoration-color: #7f7f7f">30 </span><span style="color: #7f7f7f; text-decoration-color: #7f7f7f">| | |
</span><span style="color: #0000ff; text-decoration-color: #0000ff">except</span> <span style="color: #00ffff;
text-decoration-color: #00ffff">UnicodeDecodeError</span> <span style="color: #0000ff; text-decoration-color:
#0000ff">as</span> e:
<span style="color: #800000; text-decorati
color: #800000">|</span>
<span style="color: #800000; text-decoration-color: #800000">|</span> <span style="color: #7f7f7f; text-
decoration-color: #7f7f7f">31 </span><span style="color: #7f7f7f; text-decoration-color: #7f7f7f">| | |
</span><span style="color: #0000ff; text-decoration-color: #0000ff">if</span> <span style="color: #00ffff; text-
decoration-color: #00ffff">self</span>.autodetect_encoding:
<span style="color: #800000; text-decorati
color: #800000">|</span>

```

```

style="color: #800000; text-decoration-color: #800000">|</span>
<span style="color: #800000; text-decoration-color: #800000">|</span> <span style="color: #7f7f7f; text-
decoration-color: #7f7f7f">32 </span><span style="color: #7f7f7f; text-decoration-color: #7f7f7f">| | | |
</span>detected_encodings = <span style="color: #00ffff; text-decoration-color:
#00ffff">self</span>.detect_file_encodings() <span style="color: #800000; text-decoration-
color: #800000">|</span>
<span style="color: #800000; text-decoration-color: #800000">|</span>
<span style="color: #800000; text-decoration-color: #800000">|</span>
<span style="color: #800000; text-decoration-color: #800000">|</span> <span style="color: #bfbf7f; text-decorati
color: #bfbf7f">/home/spike/.pyenv/versions/3.9.11/lib/python3.9/</span><span style="color: #808000; text-
decoration-color: #808000; font-weight: bold">codecs.py</span>:<span style="color: #0000ff; text-decoration-colo
#0000ff">322</span> in <span style="color: #00ff00; text-decoration-color: #00ff00">decode</span>
<span style="color: #800000; text-decoration-color: #800000">|</span>
<span style="color: #800000; text-decoration-color: #800000">|</span>
<span style="color: #800000; text-decoration-color: #800000">|</span>
<span style="color: #800000; text-decoration-color: #800000">|</span> <span style="color: #7f7f7f; text-
decoration-color: #7f7f7f"> 319 </span><span style="color: #7f7f7f; text-decoration-color: #7f7f7f">| </span>
<span style="color: #0000ff; text-decoration-color: #0000ff">def</span> <span style="color: #00ff00; text-
decoration-color: #00ff00">decode</span>(<span style="color: #00ffff; text-decoration-color: #00ffff">self</span>
<span style="color: #00ffff; text-decoration-color: #00ffff">input</span>, final=<span style="color: #0000ff; te
decoration-color: #0000ff">False</span>): <span style="color:
#800000; text-decoration-color: #800000">|</span>
<span style="color: #800000; text-decoration-color: #800000">|</span> <span style="color: #7f7f7f; text-
decoration-color: #7f7f7f"> 320 </span><span style="color: #7f7f7f; text-decoration-color: #7f7f7f">| | </sp
<span style="color: #7f7f7f; text-decoration-color: #7f7f7f"># decode input (taking the buffer into account)</sp
<span style="color: #800000; text-decoration-color: #800000">|</span>
<span style="color: #800000; text-decoration-color: #800000">|</span> <span style="color: #7f7f7f; text-
decoration-color: #7f7f7f"> 321 </span><span style="color: #7f7f7f; text-decoration-color: #7f7f7f">| |
</span>data = <span style="color: #00ffff; text-decoration-color: #00ffff">self</span>.buffer + <span style="col
#00ffff; text-decoration-color: #00ffff">input</span> <sp
style="color: #800000; text-decoration-color: #800000">|</span>
<span style="color: #800000; text-decoration-color: #800000">|</span> <span style="color: #800000; text-decorati
color: #800000">> </span> 322 <span style="color: #7f7f7f; text-decoration-color: #7f7f7f">| | </span>(resul

```

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consumed) = <span style="color: #00ffff; text-decoration-color: #00ffff">self</span>._buffer_decode(data, <span
style="color: #00ffff; text-decoration-color: #00ffff">self</span>.errors, final) <span
style="color: #800000; text-decoration-color: #800000">|</span>
<span style="color: #800000; text-decoration-color: #800000">|</span> <span style="color: #7f7f7f; text-
decoration-color: #7f7f7f"> 323 </span><span style="color: #7f7f7f; text-decoration-color: #7f7f7f">| </sp
<span style="color: #7f7f7f; text-decoration-color: #7f7f7f"># keep undecoded input until the next call</span>
<span style="color: #800000; text-decoration-color: #800000">|</span>
<span style="color: #800000; text-decoration-color: #800000">|</span> <span style="color: #7f7f7f; text-
decoration-color: #7f7f7f"> 324 </span><span style="color: #7f7f7f; text-decoration-color: #7f7f7f">| </sp
<span style="color: #00ffff; text-decoration-color: #00ffff">self</span>.buffer = data[consumed:]
<span style="color: #800000; text-decoration-color: #800000">|</span>
<span style="color: #800000; text-decoration-color: #800000">|</span> <span style="color: #7f7f7f; text-
decoration-color: #7f7f7f"> 325 </span><span style="color: #7f7f7f; text-decoration-color: #7f7f7f">| </sp
<span style="color: #0000ff; text-decoration-color: #0000ff">return</span> result
<span style="color: #800000; text-decoration-color: #800000">|</span>
<span style="color: #800000; text-decoration-color: #800000">|</span>
#800000">_____</s
<span style="color: #ff0000; text-decoration-color: #ff0000; font-weight: bold">UnicodeDecodeError: </span><span
style="color: #008000; text-decoration-color: #008000">'utf-8'</span> codec can't decode byte <span style="color:
#008080; text-decoration-color: #008080; font-weight: bold">0xca</span> in position <span style="color: #008080;
text-decoration-color: #008080; font-weight: bold">0</span>: invalid continuation byte

<span style="font-style: italic">The above exception was the direct cause of the following exception:</span>

<span style="color: #800000; text-decoration-color: #800000">_____</span><span
style="color: #800000; text-decoration-color: #800000; font-weight: bold">Traceback </span><span style="color:
#bf7f7f; text-decoration-color: #bf7f7f; font-weight: bold">(most recent call last)</span><span style="color:
#800000; text-decoration-color: #800000">_____</span>
<span style="color: #800000; text-decoration-color: #800000">|</span> in <span style="color: #00ff00; text-
decoration-color: #00ff00">&lt;module&gt;</span>:<span style="color: #0000ff; text-decoration-color:
#0000ff">1</span> <span style="color: #800000; text-decoration-color: #800000">|</span>
<span style="color: #800000; text-decoration-color: #800000">|</span>
<span style="color: #800000; text-decoration-color: #800000">|</span>

```

```

<span style="color: #800000; text-decoration-color: #800000">|</span>
<span style="color: #800000; text-decoration-color: #800000">|</span> <span style="color: #800000; text-decoration-color: #800000">|</span>
color: #800000">|</span>1 loader.load()
<span style="color: #800000; text-decoration-color: #800000">|</span>
<span style="color: #800000; text-decoration-color: #800000">|</span> <span style="color: #7f7f7f; text-decoration-color: #7f7f7f">2 </span>
<span style="color: #800000; text-decoration-color: #800000">|</span>
<span style="color: #800000; text-decoration-color: #800000">|</span>
<span style="color: #800000; text-decoration-color: #800000">|</span>
<span style="color: #800000; text-decoration-color: #800000">|</span> <span style="color: #bfbf7f; text-decoration-color: #bfbf7f">|</span><span style="color: #808000; text-decoration-color: #808000; font-weight: bold">directory.py</span>:<span style="color: #0000ff; text-decoration-color: #0000ff">84</span> in <span style="color: #00ff00; text-decoration-color: #00ff00">load</span>
<span style="color: #800000; text-decoration-color: #800000">|</span>
<span style="color: #800000; text-decoration-color: #800000">|</span>
<span style="color: #800000; text-decoration-color: #800000">|</span>
<span style="color: #800000; text-decoration-color: #800000">|</span> <span style="color: #7f7f7f; text-decoration-color: #7f7f7f">81 </span><span style="color: #7f7f7f; text-decoration-color: #7f7f7f">|</span> |</span><span style="color: #0000ff; text-decoration-color: #0000ff">if</span> <span style="color: #00ffff; text-decoration-color: #00ffff">self</span><span style="color: #800000; text-decoration-color: #800000">|</span>
<span style="color: #800000; text-decoration-color: #800000">|</span> <span style="color: #7f7f7f; text-decoration-color: #7f7f7f">82 </span><span style="color: #7f7f7f; text-decoration-color: #7f7f7f">|</span> |</span> |</span>
|</span><span style="color: #0000ff; text-decoration-color: #0000ff">logger.warning(e)</span> <span style="color: #800000; text-decoration-color: #800000">|</span>
<span style="color: #800000; text-decoration-color: #800000">|</span> <span style="color: #7f7f7f; text-decoration-color: #7f7f7f">83 </span><span style="color: #7f7f7f; text-decoration-color: #7f7f7f">|</span> |</span> |</span>
|</span><span style="color: #0000ff; text-decoration-color: #0000ff">else</span><span style="color: #800000; text-decoration-color: #800000">|</span>
<span style="color: #800000; text-decoration-color: #800000">|</span>
<span style="color: #800000; text-decoration-color: #800000">|</span> <span style="color: #800000; text-decoration-color: #800000">|</span> <span style="color: #800000; text-decoration-color: #800000">|</span>
</span><span style="color: #0000ff; text-decoration-color: #0000ff">raise</span> e
<span style="color: #800000; text-decoration-color: #800000">|</span>

```



```

<span style="color: #800000; text-decoration-color: #800000">|</span> <span style="color: #7f7f7f; text-
decoration-color: #7f7f7f">85 </span><span style="color: #7f7f7f; text-decoration-color: #7f7f7f">| | | |
</span><span style="color: #0000ff; text-decoration-color: #0000ff">finally</span>:
<span style="color: #800000; text-decoration-color: #800000">|</span>
<span style="color: #800000; text-decoration-color: #800000">|</span> <span style="color: #7f7f7f; text-
decoration-color: #7f7f7f">86 </span><span style="color: #7f7f7f; text-decoration-color: #7f7f7f">| | | |
| </span><span style="color: #0000ff; text-decoration-color: #0000ff">if</span> pbar:
<span style="color: #800000; text-decoration-color: #800000">|</span>
<span style="color: #800000; text-decoration-color: #800000">|</span> <span style="color: #7f7f7f; text-
decoration-color: #7f7f7f">87 </span><span style="color: #7f7f7f; text-decoration-color: #7f7f7f">| | | |
| | </span>pbar.update(<span style="color: #0000ff; text-decoration-color: #0000ff">1</span>)</span>
<span style="color: #800000; text-decoration-color: #800000">|</span>
<span style="color: #800000; text-decoration-color: #800000">|</span>
<span style="color: #800000; text-decoration-color: #800000">|</span>
<span style="color: #800000; text-decoration-color: #800000">|</span> <span style="color: #bfbf7f; text-decorati
color: #bfbf7f">/data/source/langchain/langchain/document_loaders/</span><span style="color: #808000; text-
decoration-color: #808000; font-weight: bold">directory.py</span>:<span style="color: #0000ff; text-decoration-
color: #0000ff">78</span> in <span style="color: #00ff00; text-decoration-color: #00ff00">load</span>
<span style="color: #800000; text-decoration-color: #800000">|</span>
<span style="color: #800000; text-decoration-color: #800000">|</span>
<span style="color: #800000; text-decoration-color: #800000">|</span>
<span style="color: #800000; text-decoration-color: #800000">|</span> <span style="color: #7f7f7f; text-
decoration-color: #7f7f7f">75 </span><span style="color: #7f7f7f; text-decoration-color: #7f7f7f">| | |
</span><span style="color: #0000ff; text-decoration-color: #0000ff">if</span> i.is_file():
<span style="color: #800000; text-decoration-color: #800000">|</span>
<span style="color: #800000; text-decoration-color: #800000">|</span> <span style="color: #7f7f7f; text-
decoration-color: #7f7f7f">76 </span><span style="color: #7f7f7f; text-decoration-color: #7f7f7f">| | | |
</span><span style="color: #0000ff; text-decoration-color: #0000ff">if</span> _is_visible(i.relative_to(p)) <span style="color: #ff00ff; text-decoration-color: #ff00ff">or</span> <span style="color: #00ffff; text-decoration-
color: #00ffff">self</span>.load_hidden: <span style="color: #800000; text-decoration-color: #800000">|</span>
<span style="color: #800000; text-decoration-color: #800000">|</span> <span style="color: #7f7f7f; text-
decoration-color: #7f7f7f">77 </span><span style="color: #7f7f7f; text-decoration-color: #7f7f7f">| | | |

```

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</span><span style="color: #0000ff; text-decoration-color: #0000ff">try</span>:
<span style="color: #800000; text-decoration-color: #800000">|</span>
<span style="color: #800000; text-decoration-color: #800000">|</span> <span style="color: #800000; text-decoration-color: #800000">|</span>
color: #800000">|</span>78 <span style="color: #7f7f7f; text-decoration-color: #7f7f7f">|</span> |</span> |</span> |</span> |</span>
</span>sub_docs = <span style="color: #00ffff; text-decoration-color: #00ffff">self</span>.loader_cls(<span
style="color: #00ffff; text-decoration-color: #00ffff">str</span>(i), **<span style="color: #00ffff; text-
decoration-color: #00ffff">self</span>.loader_kwargs).load() <span style="color: #800000; text-decoration-
color: #800000">|</span>
<span style="color: #800000; text-decoration-color: #800000">|</span> <span style="color: #7f7f7f; text-
decoration-color: #7f7f7f">79 </span><span style="color: #7f7f7f; text-decoration-color: #7f7f7f">|</span> |</span> |</span> |</span>
|</span> </span>docs.extend(sub_docs) <span style="color: #800000; text-
decoration-color: #800000">|</span>
<span style="color: #800000; text-decoration-color: #800000">|</span> <span style="color: #7f7f7f; text-
decoration-color: #7f7f7f">80 </span><span style="color: #7f7f7f; text-decoration-color: #7f7f7f">|</span> |</span> |</span> |</span>
</span><span style="color: #0000ff; text-decoration-color: #0000ff">except</span> <span style="color: #00ffff;
text-decoration-color: #00ffff">Exception</span> <span style="color: #0000ff; text-decoration-color:
#0000ff">as</span> e: <span style="color: #800000; text-
decoration-color: #800000">|</span>
<span style="color: #800000; text-decoration-color: #800000">|</span> <span style="color: #7f7f7f; text-
decoration-color: #7f7f7f">81 </span><span style="color: #7f7f7f; text-decoration-color: #7f7f7f">|</span> |</span> |</span> |</span>
|</span> </span><span style="color: #0000ff; text-decoration-color: #0000ff">if</span> <span style="color: #00ffff;
text-decoration-color: #00ffff">self</span>.silent_errors: <span
style="color: #800000; text-decoration-color: #800000">|</span>
<span style="color: #800000; text-decoration-color: #800000">|</span>
<span style="color: #800000; text-decoration-color: #800000">|</span>
<span style="color: #800000; text-decoration-color: #800000">|</span> <span style="color: #bfbf7f; text-decorati
color: #bfbf7f">|</span> </span><span style="color: #808000; text-
decoration-color: #808000; font-weight: bold">text.py</span>:<span style="color: #0000ff; text-decoration-color:
#0000ff">44</span> in <span style="color: #00ff00; text-decoration-color: #00ff00">load</span>
<span style="color: #800000; text-decoration-color: #800000">|</span>
<span style="color: #800000; text-decoration-color: #800000">|</span>
<span style="color: #800000; text-decoration-color: #800000">|</span>
<span style="color: #800000; text-decoration-color: #800000">|</span> <span style="color: #7f7f7f; text-

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decoration-color: #7f7f7f">41 </span><span style="color: #7f7f7f; text-decoration-color: #7f7f7f">| | | |
| </span><span style="color: #0000ff; text-decoration-color: #0000ff">except</span> <span style="color: #00ffff;
text-decoration-color: #00ffff">UnicodeDecodeError</span>: <span
style="color: #800000; text-decoration-color: #800000">|</span>
<span style="color: #800000; text-decoration-color: #800000">|</span> <span style="color: #7f7f7f; text-
decoration-color: #7f7f7f">42 </span><span style="color: #7f7f7f; text-decoration-color: #7f7f7f">| | | |
| | </span><span style="color: #0000ff; text-decoration-color: #0000ff">continue</span>
<span style="color: #800000; text-decoration-color: #800000">|</span>
<span style="color: #800000; text-decoration-color: #800000">|</span> <span style="color: #7f7f7f; text-
decoration-color: #7f7f7f">43 </span><span style="color: #7f7f7f; text-decoration-color: #7f7f7f">| | | |
</span><span style="color: #0000ff; text-decoration-color: #0000ff">else</span>:
<span style="color: #800000; text-decoration-color: #800000">|</span>
<span style="color: #800000; text-decoration-color: #800000">|</span> <span style="color: #800000; text-decorati
color: #800000">】</span>44 <span style="color: #7f7f7f; text-decoration-color: #7f7f7f">| | | | | </s
<span style="color: #0000ff; text-decoration-color: #0000ff">raise</span> <span style="color: #00ffff; text-
decoration-color: #00ffff">RuntimeError</span>(<span style="color: #808000; text-decoration-color: #808000">f"Er
loading {</span><span style="color: #00ffff; text-decoration-color: #00ffff">self</span>.file_path<span
style="color: #808000; text-decoration-color: #808000">}"</span>)<span style="color: #0000ff; text-decoration-
color: #0000ff">from</span> <span style="color: #00ffff; text-decoration-color: #00ffff; text-decoration:
underline">e</span> <span style="color: #800000; text-decoration-color: #800000">|</span>
<span style="color: #800000; text-decoration-color: #800000">|</span> <span style="color: #7f7f7f; text-
decoration-color: #7f7f7f">45 </span><span style="color: #7f7f7f; text-decoration-color: #7f7f7f">| | |
</span><span style="color: #0000ff; text-decoration-color: #0000ff">except</span> <span style="color: #00ffff;
text-decoration-color: #00ffff">Exception</span> <span style="color: #0000ff; text-decoration-color:
#0000ff">as</span> e: <span style="color: #800000; text-
decoration-color: #800000">|</span>
<span style="color: #800000; text-decoration-color: #800000">|</span> <span style="color: #7f7f7f; text-
decoration-color: #7f7f7f">46 </span><span style="color: #7f7f7f; text-decoration-color: #7f7f7f">| | | |
</span><span style="color: #0000ff; text-decoration-color: #0000ff">raise</span> <span style="color: #00ffff; te
decoration-color: #00ffff">RuntimeError</span>(<span style="color: #808000; text-decoration-color: #808000">f"Er
loading {</span><span style="color: #00ffff; text-decoration-color: #00ffff">self</span>.file_path<span
style="color: #808000; text-decoration-color: #808000">}"</span>)<span style="color: #0000ff; text-decoration-
color: #0000ff">from</span> <span style="color: #00ffff; text-decoration-color: #00ffff; text-decoration:

```

```

underline">e</span>                <span style="color: #800000; text-decoration-color: #800000">|</span>
<span style="color: #800000; text-decoration-color: #800000">|</span>    <span style="color: #7f7f7f; text-
decoration-color: #7f7f7f">47 </span>
<span style="color: #800000; text-decoration-color: #800000">|</span>
<span style="color: #800000; text-decoration-color:
#800000">|_____</s
<span style="color: #ff0000; text-decoration-color: #ff0000; font-weight: bold">RuntimeError: </span>Error loadi
..<span style="color: #800080; text-decoration-color:
#800080">../../../../../../tests/integration_tests/examples/</span><span style="color: #ff00ff; text-decoration-color
#ff00ff">example-non-utf8.txt</span>
</pre>

```

The file `example-non-utf8.txt` uses a different encoding the `load()` function fails with a helpful message indicating which file failed decoding.

With the default behavior of `TextLoader` any failure to load any of the documents will fail the whole loading process and no documents are loaded.

## B. Silent fail

We can pass the parameter `silent_errors` to the `DirectoryLoader` to skip the files which could not be loaded and continue the load process.

```

loader = DirectoryLoader(path, glob="**/*.txt", loader_cls=TextLoader, silent_errors=True)
docs = loader.load()

```

```
Error loading ../../../../tests/integration_tests/examples/example-non-utf8.txt
```

```
doc_sources = [doc.metadata['source'] for doc in docs]
doc_sources
```

```
['../../../../../tests/integration_tests/examples/whatsapp_chat.txt',
 '../../../../../tests/integration_tests/examples/example-utf8.txt']
```

## C. Auto detect encodings

We can also ask `TextLoader` to auto detect the file encoding before failing, by passing the `autodetect_encoding` to the loader class.

```
text_loader_kwargs={'autodetect_encoding': True}
loader = DirectoryLoader(path, glob="**/*.txt", loader_cls=TextLoader, loader_kwargs=text_loader_kwargs)
docs = loader.load()
```

```
doc_sources = [doc.metadata['source'] for doc in docs]
doc_sources
```

```
['../../../../../tests/integration_tests/examples/example-non-utf8.txt',
 '../../../../../tests/integration_tests/examples/whatsapp_chat.txt',
 '../../../../../tests/integration_tests/examples/example-utf8.txt']
```