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Search and redact PDFs in Java



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Searching and redacting in Nutrient Java SDK can be done using the

`RedactionProcessor`.

Simple text search

The `RedactionProcessor` lets you create redactions using simple text search rules — any piece of text matching a provided query is covered by the redaction annotations. For example, you could use the following to redact any occurrence of the phrase “ACME Bank”:

```
final PdfDocument document = PdfDocument.open(new FileDataProvider(new File("Document.pdf")));  
// Create a redaction processor, search for and redact all instances of "ACME Bank"  
RedactionProcessor.create()  
    .addRedactionTemplates(new RedactionRegEx.Builder("ACME Bank").build())  
    .redact(document);
```

The example above will add the redactions and apply them to the original document using the basic `redact` method, which takes the original document as an argument.



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add the redactions and save to a different document, you can use the `redact` method that takes a `WritableDataProvider`:

```
// Create a redaction processor, search for and redact all instances of "ACME Bank"
RedactionProcessor.create()
    .addRedactionTemplates(new RedactionRegex.Builder("ACME Bank").build())
    .redact(document, new FileDataProvider(new File("OutputDocument.pdf")));
```

To only add the redaction annotations without applying them, use `identifyAndAddRedactionAnnotations`. You can also customize the redaction annotation color:

```
// Create a redaction processor, and search for and add redaction annotations for "ACME Bank"
RedactionProcessor.create()
    .addRedactionTemplates(new RedactionRegex.Builder("ACME Bank").setFillColor(Color.RED).build())
    .identifyAndAddRedactionAnnotations(document);

// You can then save and apply redactions separately:
document.save(new DocumentSaveOptions.Builder().applyRedactionAnnotations(true).build());
```


Regular expression search

`RedactionRegex` can also take regular expressions. The following example searches for any four-digit code that's followed by three letters:

```
RedactionProcessor.create()
    .addRedactionTemplates(new RedactionRegex.Builder("\\d{4}[A-Za-z]{3}").build())
    .redact(document);
```

Note: To provide any regular expression escape sequence, it's necessary to double escape the character for the literal string to be valid — just like with `'\\d'`, which

is equivalent to '\d' in regular expressions.

 **Note:** Nutrient uses ICU regular expressions, which are a derivative of Perl regular expressions. See the [ICU Regular Expressions guide](#) for details.

Was this helpful?

 YES

 NO
