



UWP



Redaction



WINDOWS &gt; GUIDES &gt; REDACTION

# Automated document redaction tools for Windows

Nutrient lets you search the document for text matching predefined patterns and then create redactions on top of the matching text. After the redaction is applied, the text will be permanently and irreversibly removed.

Note that, by design, some of the preset patterns might overfit the criteria (i.e. include false positive results). This might happen since we strive for including all positive results and avoiding data loss. Make sure to review the matches found.

PATTERN NAME	DESCRIPTION
CREDIT_CARD_NUMBER	Catches credit card numbers with a number beginning with 1-6, and must be 13 or 16 digits anywhere in the number.
DATE	Matches date formats such as mm/dd/yyyy, mm/dd/yy, dd/mm/yyyy, and dd/mm/yy. It will match if a leading zero is or is not used for a single digit day or month.
TIME	Matches time formats such as 00:00:00, 00:00, 00:00 PM. 12- and 24-hour format denotation are both optional.
EMAIL_ADDRESS	Matches an email address with the format of <code>xyz@xyz.xyz</code> , where xyz can be any alphanumeric character. For more information, see <a href="#">about the email pattern</a> .
INTERNATIONAL_PHONE_NUMBER	Matches international-style phone numbers with a prefix of + or 00, containing between 10 and 15 digits anywhere within the number.
IP_V4	Matches an IPV4 address limited to number ranges of 0-255, with an optional port number.



ASK AI

PATTERN NAME	DESCRIPTION
IP_V6	Matches full and compressed IPv6 addresses as defined in RFC 2373.
MAC_ADDRESS	Matches a MAC address with delimiters of either <code>-</code> or <code>:</code>
NORTH_AMERICAN_PHONE_NUMBER	Matches an <u>NANP</u> style phone number. In general, this will match the US and Ca pattern will also match an optional international prefix of <code>+1</code> .
SOCIAL_SECURITY_NUMBER	Matches a US social security number (SSN). The format of the number should be denoting [0-9]. We expect the number to have word boundaries on either side, o
URL	Matches a URL with a prefix of http
US_ZIP_CODE	Matches a USA-style zip code. The format expected is 00000 or 00000-0000, w
VIN	Matches US and ISO 3779 standard VINs. The format expects 17 characters, with <code>Q</code> , <code>_</code> characters are not allowed in upper or lower case.

To create redactions that match a preset pattern, use a `Pdf.Document.CreateRedactionsBySearchAsync()` operation with a preset strategy, like so:

```
var annotationIds = await PDFView.Document.CreateRedactionsBySearchAsync(SearchStrategy.PresetStrategy);
```

To actually redact the document after all the redaction annotations are added, you can call the `Pdf.Document.ApplyRedactionsAsync()` API method. This will overwrite the existing document, removing content irreversibly:

```
await PDFView.Document.ApplyRedactionsAsync();
```

Was this helpful?

✓ YES

✗ NO

