

Java Create [HOME](#)  [GUIDES](#)  [JAVA](#)  [ANNOTATIONS](#)  [CREATE](#)  [INK ANNOTATION](#)

# Add ink annotations to PDFs in Java



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Annotations are created using the `AnnotationProvider.AddAnnotationJson` method. To create an annotation on a page, use the annotation JSON format to add the annotation you want.

## Creating ink annotations

An ink annotation consists of a series of x,y coordinate `Points` (in pixels) starting from the top left of the page. Each point has a corresponding `Intensity` with a value from 0.0 to 1.0 (the default is 0.5).

Here's an example of adding an ink annotation with JSON:

```
{
  "id": "10",
  "v": 1,
  "pdfObjectId": 10,
  "pageIndex": 0,
  "bbox": [0, 0, 700, 900],
  "opacity": 1,
  "type": "pspdfkit/ink",
  "lines": {
```



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```
"points": [
  [
    [445.5, 503.9],
    [438.6, 503.1],
    [433.4, 500.5],
    [267.5, 435.2]
  ]
],
"intensities": [[0.5, 0.5, 0.5, 0.5]]
},
"lineWidth": 5,
"strokeColor": "#2483c7",
"isDrawnNaturally": false,
"isSignature": false
}
```

The JSON can be loaded from a file and added using `addAnnotationJson`:

```
String jsonString = Files.readAllBytes(Paths.get("path/to/my-annotation.json")).to
document.getAnnotationProvider().addAnnotationJson(new JSONObject(jsonString));
```

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## Was this helpful?

✓ YES

✗ NO



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