



Java



From in-memory data

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# Open PDFs from in-memory data in Java



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This guide explains how to open a PDF document from an in-memory data provider.

`PdfDocument` expects a `DataProvider` to read from. To open a file from application memory, you must extend the `InputStreamDataProvider`, which has an `openInputStream` method returning an object of type `InputStream` to provide the data.

This example creates a `ResourceDataProvider` that extends the `InputStreamDataProvider` to provide an `InputStream` from a local asset with a string name:

```
private static class ResourceDataProvider extends InputStreamDataProvider {  
    @NotNull  
    private String assetFilename;  
  
    // Constructs a resource data provider.  
    // @param assetFilename The name of the asset file.  
    ResourceDataProvider(@NotNull final String assetFilename) {  
        this.assetFilename = assetFilename;  
    }  
  
    // `openInputStream` must be overridden to provide the data stream.  
    // Here we also check the resource exists and throw if not.
```



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```

@NotNull
@Override
protected InputStream openInputStream() throws Exception {
    InputStream resource = getClass().getClassLoader().getResourceAsStream(assetFilename);
    if (resource == null) throw new FileNotFoundException("Unable to find resource: " + assetFilename);
    return resource;
}

@Override
public long getSize() {
    try {
        return openInputStream().available();
    } catch (Exception e) {
        e.printStackTrace();
        return 0;
    }
}

@Override
public @Nullable String getTitle() {
    return assetFilename;
}
}

```

You can use `ResourceDataProvider` to open a PDF document in your project asset folder:

```
PdfDocument document = PdfDocument.open(new ResourceDataProvider("documentInAssetsFolder.pdf"));
```

## Was this helpful?

✓ YES

✗ NO



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