

# 10

Version 10

nutrient.io

Welcome to  
Nutrient Android  
SDK



T|



# Welcome

---

It's great to have you here! We can't wait for you to discover all the things possible with our SDK. Our primary focus is you, the developer, and how we can assist you in building incredible experiences.

Below you'll see a breakdown of all the products we offer and what they're capable of — from viewing, enabling markup, and helping your users collaborate, to support for more advanced PDF features and different file types.

Come discover why we're the most widely used commercial Android SDK. And always remember: We're here to help!

---

## • Viewing

Viewer  
Indexed Search  
Form Viewing  
Reader View

## • Markup

Annotations  
Electronic Signatures  
Digital Signatures  
Document Editor  
Form Filling

## • Collaboration

Instant  
Instant Comments  
Replies

## • Advanced

Redaction  
Comparison  
OCR  
Measurement Tools  
Content Editor

## • File types

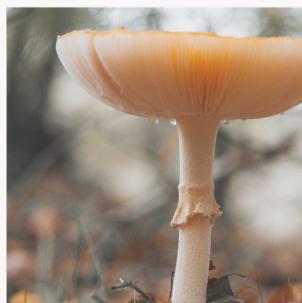
Office Files  
Image Documents



# View documents

Our goal: the best document viewing and reading experience for your users.

**Mushrooms & Health**



Science Co.

**Biology Quiz**

CHALLENGE YOUR MIND, UNLOCK YOUR POTENTIAL

Select the correct answer of the following questions:

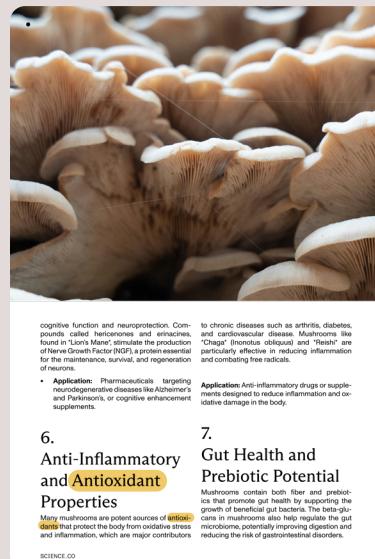
01 What is the natural compound present in green plants that gives them their color?	02 What is the scientific term for the study of mushrooms?
<input type="checkbox"/> Chlorine <input type="checkbox"/> Chloroforin <input type="checkbox"/> Chlorophyll <input type="checkbox"/> Chlorine dioxide <input type="checkbox"/> Chloride	<input type="checkbox"/> Mycology <input type="checkbox"/> Mycology <input type="checkbox"/> Mycology <input type="checkbox"/> Micrology
03 Where would one find the smallest bone in the human body?	04 What gas is released during photosynthesis?
<input type="checkbox"/> The hand <input type="checkbox"/> The nose <input type="checkbox"/> The foot <input type="checkbox"/> The ear	<input type="checkbox"/> Carbon dioxide <input type="checkbox"/> Oxygen <input type="checkbox"/> Nitrogen
05 How many livers are there in a tree trunk?	06 In °C, what is the average body temperature of a healthy human?
<input type="checkbox"/> 5 <input type="checkbox"/> 6 <input type="checkbox"/> 7	<input type="checkbox"/> 36 <input type="checkbox"/> 37 <input type="checkbox"/> 38

SCIENCE.CO.UK/QUIZ PAGE 1/1

Science Co.

**VIEW**

**SEARCH**



## Viewer

Our viewer is easy to use and offers quick document navigation and rendering, including the ability to incorporate multimedia content.

## Indexed Search

Enables your users to search across multiple documents, languages, and encoding types with near-instant results.

## Form Viewing

Access the values of objects in filled-out PDF AcroForms for additional processing.

## Reader View

No more zooming or swiping around when trying to read a PDF document. Reader View puts content front and center in a simple and elegant format.



# Enable markup

Provide a true paper replacement with our document annotation and editing tools.

The screenshot displays two main interfaces. On the left, a document titled "Brand evolution" is shown with three pink circular annotations. One annotation has a black dot, another has an "X", and the third has a black dot. A callout bubble provides details about Net Revenue, Gross Profit, and Total Cost of Goods Sold. On the right, a "Credit Application" form is displayed with sections for "Applicant Information" and "Terms and Condition". A large handwritten signature "Fischer" is present. Buttons for "FILL FORMS", "EDIT", and "SIGN" are visible.

## Annotations

Nutrient Android SDK supports all common annotation types and comes with an intuitive style controller your users will love.

## Electronic Signatures

Quickly add drawn, scanned, or typed signatures to contracts, agreements, waivers, and more.

## Digital Signatures

Users can sign documents with a personal certificate, allowing instant identity verification by your app.

## Document Editor

Unlock features like page creation, duplication, reordering, rotation, and deletion for your users.

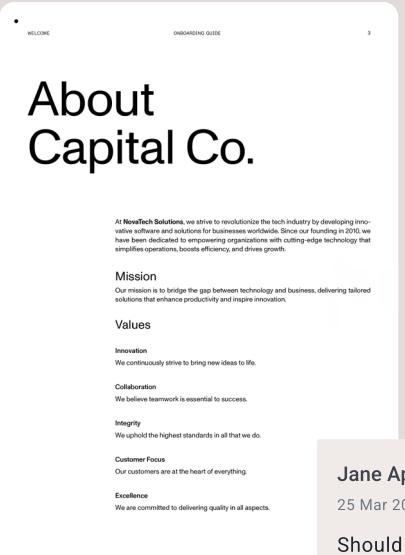
## Form Filling

With support for PDF AcroForms, the most commonly used form standard, your users can fill out forms with ease and save their changes in a document or submit them to a server.

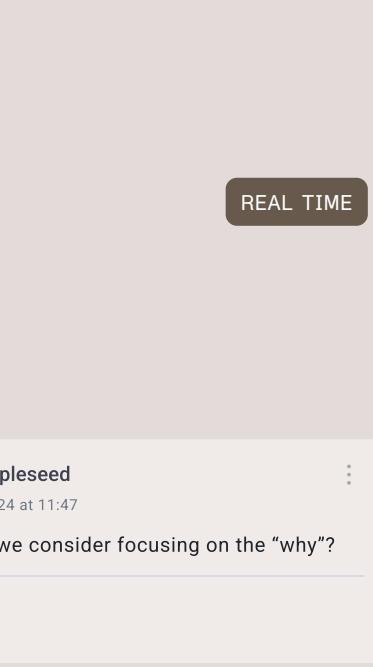


# Empower collaboration

Turbocharge the collaboration experience for your users with integrated productivity tools and document syncing.



REAL TIME
COMMENT



REAL TIME
REPLY

## Instant

Deploy effortless multi-user data synchronization that enables real-time collaboration, offline support, and data security in your apps.

## Instant Comments

A drop-in solution for adding real-time document discussions to Nutrient Android SDK.

## Replies

Make it easier for your users to start conversations right where they matter, without the need for external tools.



# Advanced tools

Not all PDFs are created equal — this is where our advanced document tools come into play.

OCR

LICENSE AGREEMENT

**7. Credit and Attribution:**  
For editorial, online, or social media uses, [REDACTED] must provide proper credit to the Licensee as follows: "Photo by John Doe Photography" unless otherwise agreed in writing.

**8. Indemnification:**  
[REDACTED] agrees to indemnify and hold the Licensee harmless from any claims, damages, liabilities, or expenses arising from [REDACTED]'s use of the Images, including any unauthorized use.

**9. Termination:**  
The Licensee reserves the right to terminate this agreement at any time if [REDACTED] breaches any of the terms outlined in this agreement. Upon termination, the Licensee must immediately cease all use of the Images and delete or destroy all copies in their possession.

**10. Governing Law:**  
This agreement will be governed by and construed in accordance with the laws of Ohio, USA, and any disputes arising from this agreement shall be resolved in the courts of Ohio.

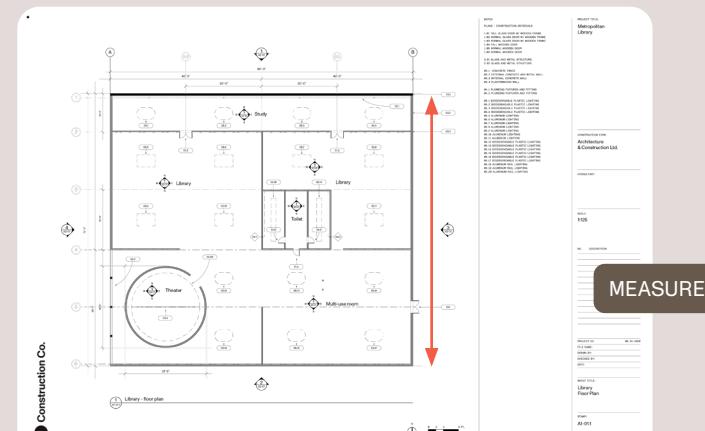
**11. Entire Agreement:**  
This agreement constitutes the entire understanding between the Licensee and the Licensee with respect to the licensed Images. Any amendments or modifications to this agreement must be in writing and signed by both parties.

LICENSOR:  
JOHN DOE PHOTOGRAPHY

LEESEE:  
[REDACTED]

Construction Co.

**MODIFY**



COMPARE

## Redaction

Enable your users to securely and irrecoverably remove sensitive text and image content from PDFs.

## Comparison

Recolor and overlay PDF pages with different blend modes — perfect for showcasing changes to the graphic elements of a page.

## OCR

Our optical character recognition processor enhances raster and vector PDFs to give you interactive text, unlocking the full suite of PDF tools available.

## Measurement Tools

Add different measuring tools to your toolbar to enable users to measure the distance, perimeter, and area of drawings on a page.

## Content Editor

Use the built-in content editing UI to select, delete, resize, change the font of, and modify the color of text.



# Additional file types

Extend the list of documents supported by our tools beyond PDFs.

POWERPOINT



JPEG

## Aspirin 325 mg Tablets

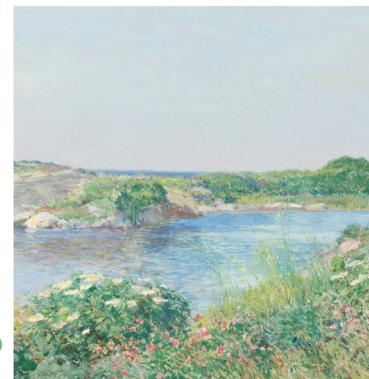
Batch No: ASP2025-B007  
Manufacturing Date: 15-Sep-2024  
Expiry Date: 15-Sep-2026  
Manufactured By: XYZ Pharmaceuticals Ltd.

EXCEL

### 1. Ingredients Used

RAW MATERIAL	SUPPLIER	LOT NUMBER	QUANTITY USED	DATE RECEIVED	EXPIRY DATE
Aspirin (API)	ABC Pharma	AP-ASP-3205	200 kg	15-Sep-2024	15-Mar-2025
Microcrystalline Cellulose	DEF Chemicals	EX-5007	100 kg	20-Sep-2024	20-Mar-2025
Starch	GHI Supplies	BT-2021	40 kg	18-Sep-2024	18-Mar-2025
Magnesium Stearate	JKL Ingredients	MR-3421	10 kg	25-Sep-2024	25-Mar-2025

## Canvas and Culture



PNG

WORD

## Office Files

Let your users open Office files as PDF documents and make use of all our supported tools.

## Image Documents

Collaborate on images as you would with PDFs by annotating, editing, and sharing in a non-destructive way.

# Get started

---

Integration

Configuring your build

Displaying a PDF

Want more help?

# Integration

Nutrient is supported on Android devices running API level 21 and newer and targeting the latest stable Android OS.

---

## Step 1

In the `settings.gradle.kts` file at the root of your project, add the Nutrient Maven repository:

```
dependencyResolutionManagement {  
    repositories {  
        maven {  
            url = uri("https://my.nutrient.io/maven")  
        }  
    }  
}
```

## Step 2

In your `app/build.gradle.kts` file, add the Nutrient dependency:

```
dependencies {  
    implementation("io.nutrient:nutrient:10.0.0")  
}
```

# Configuring your build

Nutrient is supported on Android devices running API level 21 and newer and targeting the latest stable Android OS.

---

Inside your `app/build.gradle.kts` file, we recommend the following configuration:

```
android {  
    compileSdk = <latest stable Android API version>  
  
    defaultConfig {  
        applicationId = "com.example.app"  
        minSdk = 21  
        targetSdk = compileSdk  
    }  
  
    compileOptions {  
        sourceCompatibility = JavaVersion.VERSION_17  
        targetCompatibility = JavaVersion.VERSION_17  
    }  
  
    kotlinOptions {  
        jvmTarget = "17"  
    }  
}
```

# Displaying a PDF

To verify that Nutrient was successfully integrated into your app, try opening a PDF file with the ready-to-use `PdfActivity`:

## Step 1

Copy a PDF document into the assets directory of your Android project — for example, to `src/main/assets/my-document.pdf`.

## Step 2

Add `PdfActivity` to your app's `AndroidManifest.xml` file:

```
<application>
    <activity
        android:name="com.pspdfkit.ui.PdfActivity"
        android:windowSoftInputMode="adjustNothing" />
</application>
```

## Step 3

You can now start `PdfActivity` with the document from your assets directory:



```
val uri = Uri.parse("file:///android_asset/my-document.pdf")
val config = PdfActivityConfiguration.Builder(context).build()
PdfActivity.showDocument(this, uri, config)
```



```
final Uri uri = Uri.parse("file:///android_asset/my-document.pdf");
final PdfActivityConfiguration config = new
PdfActivityConfiguration.Builder(context).build();
PdfActivity.showDocument(this, uri, config);
```

## Step 4

`PdfActivity` will now present the document from your assets directory.

# Want more help?

---

## Support

Support requests are handled directly by the engineers who built the product.

## Sales

Please contact our Sales team with questions related to licensing and sales.

## Blog

Explore the latest insights, products, tutorials, and more.

---

## Developers portal

# Playground

---

A quick overview of our UI

Try some annotation drawing tools

Additional annotation types

PDF forms

# A quick overview of our UI

## MAIN TOOLBAR

The screenshot displays the Nutrient Android UI interface. At the top is the Main Toolbar, which includes icons for Content editor, Search, Settings (Share, Document info), Annotation tools, Document overview, and Thumbnail View mode. Below the toolbar is a section titled "Canvas and Culture" containing the text "Canvas and Culture". To the left of this text is a logo for "ArtCo.". The main content area features a painting of a coastal landscape. A vertical sidebar on the right contains the "Annotation tools" menu with various icons and their descriptions:

- T ..... ● Text markup and redaction
- 💬 ..... ● Free text, note, callout text, and electronic signatures
- ✍ ..... ● Ink tool, smart ink, freeform highlighter, and shape
- 📏 ..... ● Measurement tools
- 🖼️ ..... ● Image, stamp, photo, and sound
- .getSelection ..... ● Selection
- ↶ ..... ● Undo action
- ↷ ..... ● Redo action
- ⓧ ..... ● Close annotation tools
- ⋮ ..... ● Move annotation tools

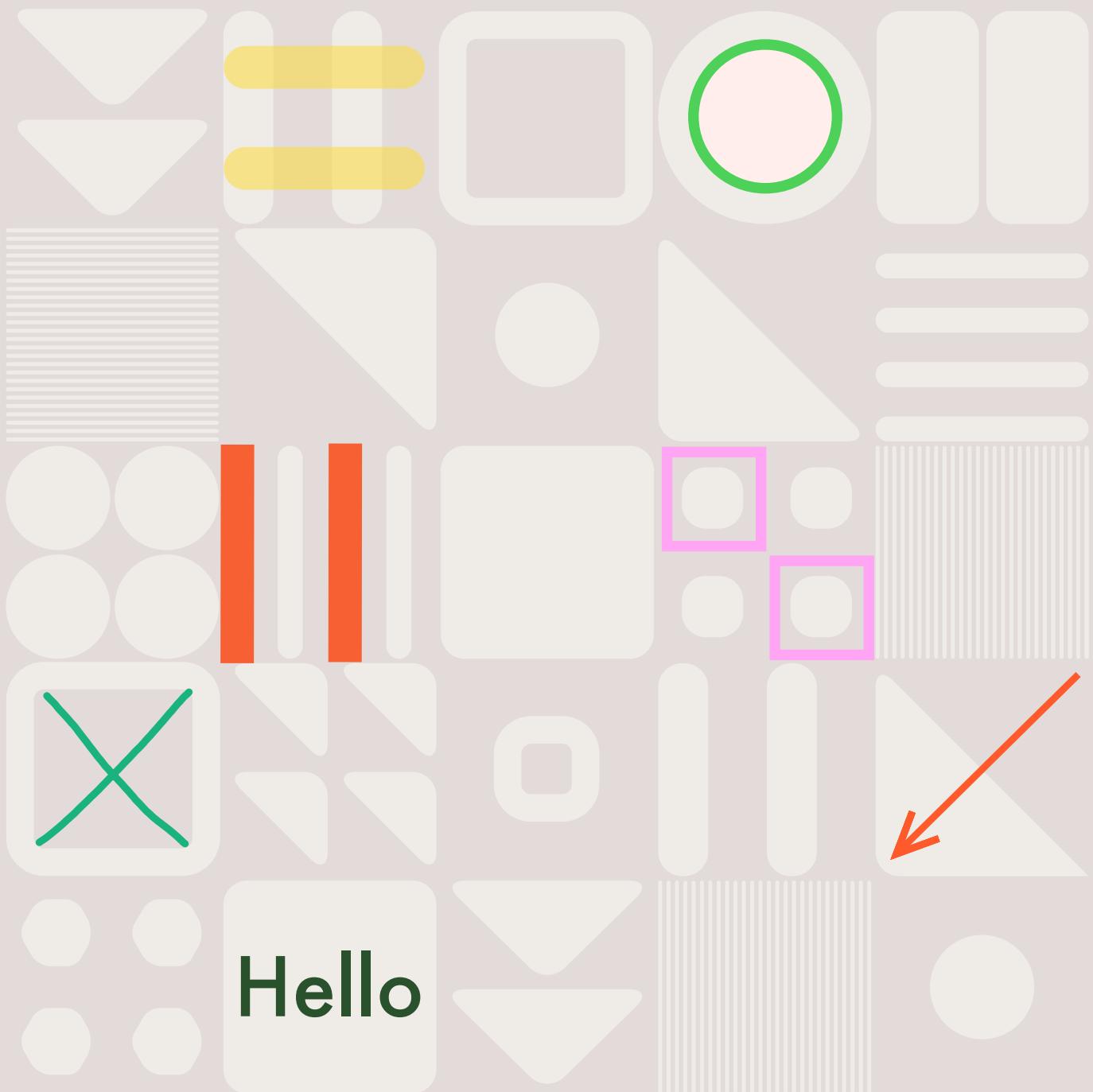
At the bottom of the screen is a page scrubber bar.

**Annotation tools**

- Text markup and redaction
- Free text, note, callout text, and electronic signatures
- Ink tool, smart ink, freeform highlighter, and shape
- Measurement tools
- Image, stamp, photo, and sound
- Selection
- Undo action
- Redo action
- Close annotation tools
- Move annotation tools

**Page scrubber bar**

# Try some annotation drawing tools



# Additional annotation types



Hello

# PDF forms

## Information

First name

Last name

Try out a multiline form field

Signature

## Do you like forms?

Yes      No

## Which form elements do you like?

Checkboxes

Radio buttons

Text fields

Signature fields

Find out more about forms in our documentation

PSPDFKit GmbH  
Kaiserstrasse 117/17  
1070 Vienna, Austria

nutrient.io

[Impressum](#)

[Company](#)

[Team](#)

