

# SmallSketch Note User Guide

SmallSketch Note

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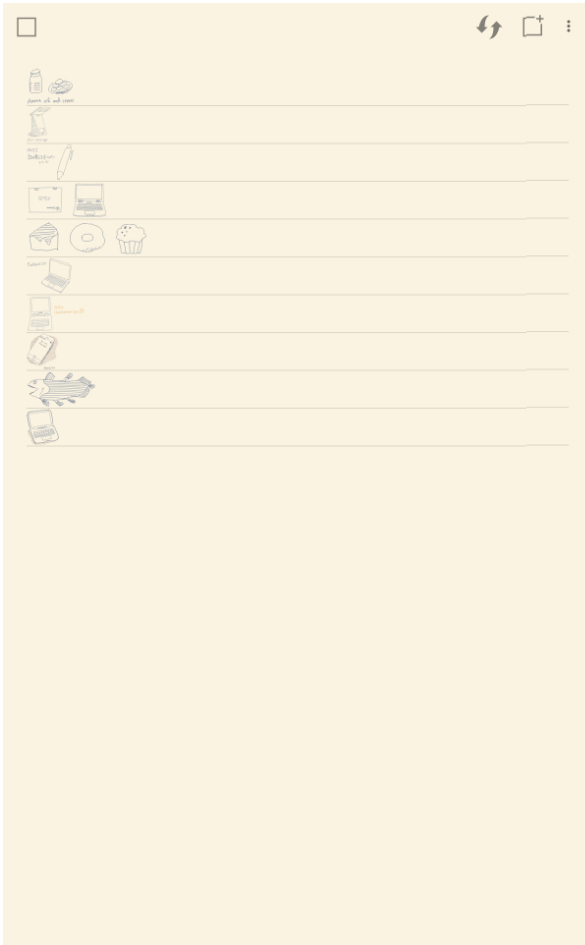
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This document explains SmallSketch Note Version 1.1.2.

# SmallSketch Note User Guide

# Chapter 1. Introduction

SmallSketch Note is a simple handwriting and S Pen centric application for Android tablets.



## 1.1. Key Features

- Hand writing with S Pen
- Pen centric interaction design
- No frills UI for focusing on your thinking
- Backup and sync notes with [Apache CouchDB](#)
- [Digital Ink Recognition](#)

## 1.2. Requirements

- Android 6.0 (Marshmallow) or newer
- **S Pen** or Native Android Stylus

## 1.3. Installation

You can install this app from [google play store](#).

## 1.4. Getting help

If you have any questions, please [make contact](#). And also your feedback will be much appreciated.

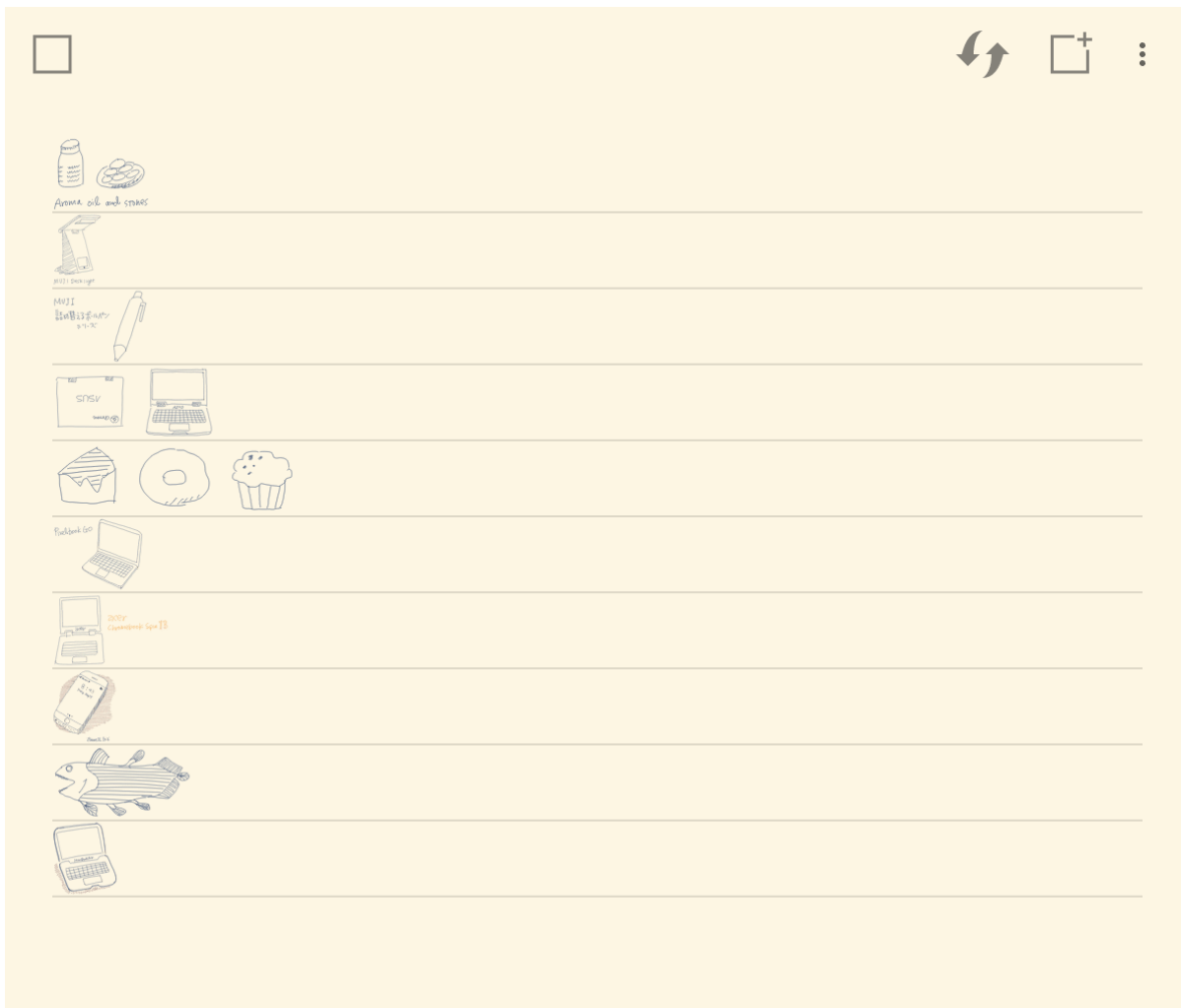
To get update information, see [Facebook](#) / [Twitter](#).


# Chapter 2. Basic Usage

## 2.1. Activities

- [Page List](#)
- [Editor](#)
- [Pen and Page Settings](#)
- [Cloud Settings](#)

## 2.2. Page List



- ☐ Go to [Editor](#)
-  Backup and Sync
- ☐ Add New Page
- Menu
  - Import
  - Export
  - Export as PDF

- [Pen and Page Settings](#)
- [Cloud Settings](#)



Backup and Sync Icon appears only if Cloud Features ON [Cloud Settings](#)

### 2.2.1. Import / Export





You can import/export a page from/to Google Drive as [SSN format](#).



When import, this app support **SSF format** that is a [Small Sketch](#) native format.

## 2.3. Editor



-  Go back to [Page List](#)
-  Add New Page
-  Preview PDF
-  Fullscreen / Exit Fullscreen

Mode

-  Pen



-  Eraser
-  Selection

## Edit

-  Undo
-  Redo

Editor has 3 modes, Pen/Eraser/Selection. And under the pen mode, using double tap gesture switch to or back **Zoom Mode** and **Normal Pen Mode**.

### 2.3.1. Under Pen Mode

- Stylus:
  - Draw strokes
- Stylus(Eraser):
  - Delete strokes
- Two Finger:
  - Scroll
- One Finger double tap:
  - Entering **Zoom Mode**
    - Under zoom mode, you can use two finger pinch in out.
    - In order to exit **Zoom Mode**, double tap with one finger again.

### 2.3.2. Under Eraser Mode

- Stylus:
  - Delete strokes

### 2.3.3. Under Selection Mode

- Stylus:
  - Create a group: lasso and create a group
  - Ungroup groups: stroke groups in vertical
  - Delete groups: stroke groups in horizontal
  - Resize a group
  - Rotate a group

## Group

Lasso strokes with stylus and make them a group.

▶ [../images/videos/group.mp4](#) (video)

### Resize a Group

Drag a right-bottom resize handle of the group with stylus.

▶ [../images/videos/resize\\_group.mp4](#) (video)

### Rotate a Group

Drag a right-bottom rotate handle of the group with stylus.

▶ [../images/videos/rotate\\_group.mp4](#) (video)

### Ungroup Groups

Stroke a group as vertical with stylus.

▶ [../images/videos/ungroup.mp4](#) (video)



You can also ungroup **groups** at once.

### Delete Groups

Stroke a group as horizontal with stylus.

▶ [../images/videos/delete\\_group.mp4](#) (video)




You can also delete **groups** at once.

## 2.4. Pen and Page Settings



## Pen


Pen-1      Color:    # 4C6082      
Nib Width: M      ( EF / F / M / B )

## Page



Size:      A4      ( A1 / A2 / A3 / A4 / A5 )  
Orientation: landscape      ( landscape / portrait )  
Type:      grid      ( grid / dotted / ruled / blank )




This settings change will be applied to a new page.

-  Go back to [Page List](#)
- Pen
  - Pen1 Color and Nib Width
- Page
  - Size
  - Orientation
  - Type

## 2.5. Cloud Settings



Enable Cloud Features 

Endpoint


URL:

Username:

Pasword:

Digital Ink Recognition

Lang Code:  ( Use 'BCP 47 language tag' )

-  Go back to [Page List](#)
- Menu
  - Import
  - Export
  - Sync Log

### 2.5.1. Endpoint

You can backup and sync your notes with [Apache CouchDB](#). See also the section [Setting up your own CouchDB Server](#).

### 2.5.2. Digital Ink Recognition

About [Digital Ink Recognition Lang Code](#), see [this page](#) in details.

# Chapter 3. Advanced Usage

## 3.1. Setting up your own CouchDB Server

It explains how to install CouchDB on Ubuntu 20.04.



Please also refer the official [CouchDB install document](#).

### 3.1.1. Install CouchDB

Enabling the Apache CouchDB package repository:

```
$ sudo apt-get install -y gnupg ca-certificates
$ echo "deb https://apache.bintray.com/couchdb-deb focal main" \
sudo tee /etc/apt/sources.list.d/couchdb.list
```

Installing the Apache CouchDB packages:

```
$ sudo apt-key adv --keyserver keyserver.ubuntu.com --recv-keys \
8756C4F765C9AC3CB6B85D62379CE192D401AB61
```

and

```
$ sudo apt update
$ sudo apt install -y couchdb
```

Under installing couchdb you have to answer for these questions:

- Server Type : standalone
- IP address : 127.0.0.1
- CouchdDB admin's password: *set up what you want*

After installing couchdb, check couchdb is running.

```
$ systemctl status couchdb
```

And you can use systemctl command options *stop*, *start*, *restart*.

An example when you stop CouchDB:

```
$ systemctl stop couchdb
```

### 3.1.2. Configure CouchDB

For using CouchDB as SmallSketch Note's server, just doing 4 steps under following.



It needs *curl* command. If necessary, do *sudo apt install curl*.

#### Preparing

Before start configuring, check CouchDB is running by curl.

```
$ curl http://admin:adminpasswd@127.0.0.1:5984/_up
```



Replace *adminpasswd* with yours.

If CouchDB is running, returning such a message:

```
{"status": "ok", "seeds": {}}
```

If not running, use systemctl command and make CouchDB running.

```
$ systemctl start couchdb
```

#### Step1 Add User

To add a CouchDB user, create a *user.json* file in current dir like this:

```
{
  "docs": [
    {
      "_id": "org.couchdb.user:alice",
      "name": "alice",
      "password": "aliceInWonderland",
      "roles": [],
      "type": "user"
    }
  ]
}
```



In this case, username is *alice* and password is *aliceInWonderland*. You can change them with what you want.

And do this:

```
$ curl -X POST -H "Content-Type:application/json" -d @user.json  
http://admin:adminpasswd@127.0.0.1:5984/_users/_bulk_docs
```

If this command works, you get the message like this:

```
[{"ok":true,"id":"org.couchdb.user:alice","rev":"1-18d335cdfa1c7df9f71fdab2e2ed0264"}]
```

The *alice* user has been added.

## Step2 Add Database

To add a CouchDB database, do this:

```
$ curl -X PUT http://admin:adminpasswd@127.0.0.1:5984/ssnote
```



This *ssnote* is database name. You can change another database name what you want.

If this command is successful, you get this message:

```
{"ok":true}
```

## Step3 Add Security

Next, update this *ssnote* database security for the *alice* user.

To get current the *ssnote* database security settings:

```
$ curl -X GET http://admin:adminpasswd@127.0.0.1:5984/ssnote/_security  
{"members":{"roles":["_admin"]},"admins":{"roles":["_admin"]}}
```

And a *create security.json* file in current dir:

```
{
  "members": {
    "roles": [
      "_admin"
    ]
  },
  "admins": {
    "roles": [
      "_admin"
    ],
    "names": [
      "alice"
    ]
  }
}
```



This json file, just adding the *alice* user into *admins.names* from the current security settings json.

To update the security, do this:

```
$ curl -X PUT -H "Content-Type:application/json" -d @security.json
http://admin:adminpasswd@127.0.0.1:5984/ssnote/_security
{"ok":true}
```

Check if the user *alice* is in *admins.names*, get the security again:

```
$ curl -X GET http://admin:adminpasswd@127.0.0.1:5984/ssnote/_security
```

## Step4 Httpd

This is the final step, make CouchDB as httpd.

Edit the CouchDB *local.ini* file. In Ubuntu 20.04, the *local.ini* is placed in */opt/couchdb/etc/local.ini*.

```
sudo vi /opt/couchdb/etc/local.ini
```

And uncommentout *port* and *bind\_address* settings in *chttpd* section, like this:

```
[chttpd]
port = 5984
bind_address = 192.168.10.100
```

This binding IP Address *192.168.10.100* is an example. Change this value with yours.



To apply this settings, restart CouchDB:

```
sudo systemctl restart couchdb
```

Let's check if it's works, access <http://192.168.10.100:5984/> with browser.

That is all to config CouchDB for SmallSketch Note.



If you want use CouchDB on the internet, you can use nginx and reverse proxy.

### 3.1.3. Cloud Settings

In order to use the CouchDB from SmallSketch Note, set up [Cloud Settings](#).

#### Endpoint

- URL: <http://192.168.10.100:5984/ssnote>
- Username: alice
- Password: aliceInWonderland

Of course, these parameters are just examples. Please change them with yours.



About URL: http:// + CouchDB IP address + : + port + / + CouchDB database name

## 3.2. ssn2svg

This app native data format is called **SSN**. SSN format data can be converted to SVG with [ssn2svg](#). And you can also download executable binary ssn2svg command from [github release](#). It is supported Linux/Windows/macOS.