Xgen Docs
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Deploy XgenPlus-office doc web Application on

Data Xgen Technologies Private limited

By

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Revision History

Date	Reason For Changes	Created	Version	Reviewed By	Action
13thMay-2021	Initial Draft	Brijesh Tiwari	1.0	Mr.Ram and Brijesh	Initial Draft

Installing XGENPLUS OFFICE for Debian, Ubuntu, and derivatives

install **XGENPLUS OFFICE Docs** on your local server and integrate online with XGENPLUS OFFICE collaboration platform or other popular systems.

XGENPLUS OFFICE Docs is an online office suite comprising viewers and editors for texts, spreadsheets and presentations, fully compatible with Office Open XML formats: .docx, .xlsx, .pptx and enabling collaborative editing in real time.

Functionality

- Document Editor
- Spreadsheet Editor
- Presentation Editor
- Mobile web viewers
- Collaborative editing
- Support for all the popular formats: DOC, DOCX, TXT, ODT, RTF, ODP, EPUB, ODS, XLS, XLSX, CSV, PPTX, HTML

Integrating it with **XGENPLUS OFFICE Groups** you will be able to:

- share files;
- manage access rights to documents;
- embed documents on a website;

System requirements

- **CPU**

  dual core **2 GHz** or better

- **RAM**

  2 GB or more

- **HDD**

  at least **40 GB** of free space

- **Additional requirements**

  at least **4 GB** of swap

- **OS**

  64-bit **Debian**, **Ubuntu** or other compatible distribution with kernel version 3.13 or later

- **Additional requirements**

  o **PostgreSQL**: version **9.1** or later

  o **NGINX**: version **1.3.13** or later

  o **libstdc++6**: version **4.8.4** or later

  o **RabbitMQ**

Installing XGENPLUS OFFICE Docs

Installation with Debian based distributives also requires the presence of `libstdc++6`, `NGINX` and `PostgreSQL` in the system.

All the necessary instrutions for these components and their dependencies installation can be found at their official websites.

There are other dependencies installed together with **XGENPLUS OFFICE Docs**:

- libcurl3
- libxml2
- supervisor
- fonts-dejavu
- fonts-liberation
- ttf-mscorefonts-installer
- fonts-crosextra-carlito
- fonts-takao-gothic
- fonts-opensymbol

These dependencies are installed automatically when you use **Ubuntu 20.04 LTS** or later. Earlier distributions might require their manual installation.
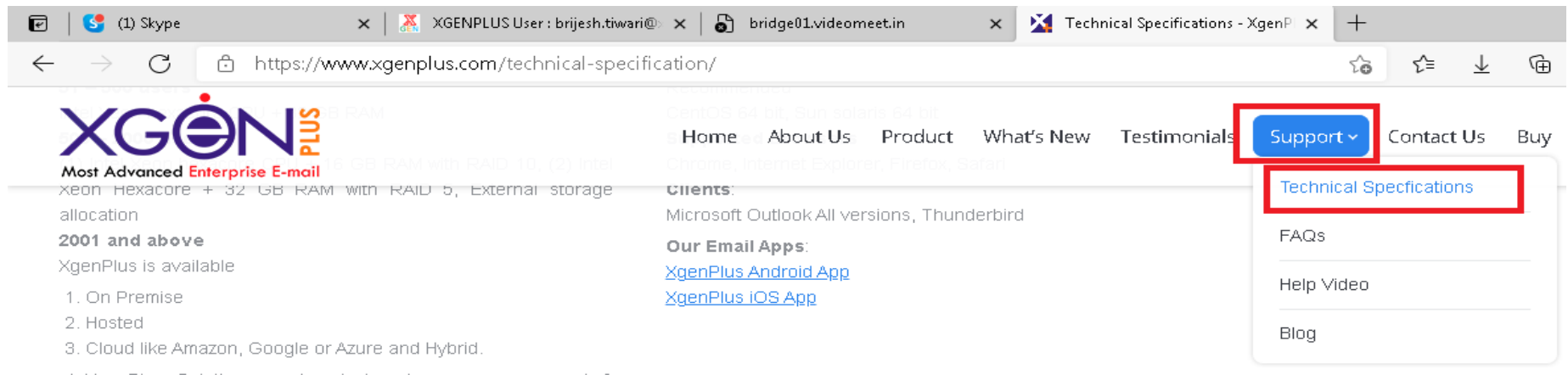
Installing dependencies

XGENPLUS OFFICE Docs uses **NGINX** and **PostgreSQL** as database. Dependencies found in the system repository will be installed automatically at **XGENPLUS OFFICE Docs** installation using the **Docker** command.

Download the Setup from the our official website **https://xgen.in** and then click on **Technical Specification** under the **Support button**.

Now you can see the **XgenPlus Office Setup** click to download on your local machine.

Or down the **XgenPlus Office Setup** form below command

```
wget https://www.xgenplus.com/feature/download/XgenPlus-Installation/XgenPlus_Office-final.tar.gz
```

Checking the default XGENPLUS OFFICE Docs port

By default **XGENPLUS OFFICE Docs** listens to the incoming connections using port **80**. Starting with version **4.3** you can change the port for **XGENPLUS OFFICE Docs** if you plan to use it

instead of the default one.

If you are going to change the default port, make sure that it is open for the incoming/outgoing connections. See the complete list of the ports used by **XGENPLUS OFFICE Docs** after installation.

Please check the Default Ports which must not be opened before installation

Port	Service/ Protocol	Internal in/out	External in	External out
80	HTTP	○	●	○
443	HTTPS	○	●*	○
5432	PostgreSQL	●**	○	○
5672	RabbitMQ	●**	○	○
6379	Redis	●**	○	○
8000	DocService	●	○	○
8080	Spellchecker	●	○	○

After that you can continue with **XGENPLUS OFFICE Docs** installation.

Installing XGENPLUS OFFICE Docs

All these command should be run in **root** user

```
wget https://www.xgenplus.com/feature/download/XgenPlus-Installation/XgenPlus_Office-final.tar.gz
```

```
tar –xvf XgenPlus_Office-final.tar.gz
```

```
cd Docker-DocumentServer
```

```
./docker-compose-intall.sh
```

Connecting Xgen-Email-office Application with XgenPlus Office API

Please download the latest code from datamail server and replace with existing web directory after that you need to change URL path into settings.properties where file located in /home/XgenPlus/web/WEB-INF/classes/

```
/home/XgenPlus/web/WEB-INF/classes/settings.properties
```

When you open the file "settings.properties" as look like as below given.

- **Replace the url as highlighted below with as per your Xgen-Office API**

```
=========================================================================================================
filesize-max=20971520
storage-folder=app_data
files.docservice.viewed-docs=.pdf|.djvu|.xps
files.docservice.edited-docs=.docx|.xlsx|.csv|.pptx|.txt
files.docservice.convert-
docs=.docm|.dotx|.dotm|.dot|.doc|.odt|.fodt|.ott|.xlsm|.xltx|.xltm|.xlt|.xls|.ods|.fods|.ots|.pptm|.ppt|.ppsx|.ppsm|.pps|.potx|.potm|.pot|.
odp|.fodp|.otp|.rtf|.epub
files.docservice.timeout=120000
files.docservice.url.converter=http://API-URL /ConvertService.ashx files.docservice.url.tempstorage=http://API-URL/ResourceService.ashx
files.docservice.url.api=http://API-URL /web-apps/apps/api/documents/api.js files.docservice.url.preloader=http://API-URL /web-
apps/apps/api/documents/cache-scripts.html
files.docservice.secret=secret
```

```
files.docservice.header=Authorization
```

==

Note : - Without public IP it is not possible to open Xgen office document from outside into Xgen web mail, callbackUrl address should be accessible from the Editors. And one more thing if Xgen Web mail running on ssl then Office API must be on SSL..

Configure XgenPlus Office API on SSL

1. Run the following command to list all running **Docker containers**.

```
docker ps -a
```

2. Locate the name of the target container in the **NAMES column**.

```
f71161031fd6   docker-documentserver_XgenPlus Office-documentserver   "/app/ds/run-documen…"   12 days ago   Up 11 days
0.0.0.0:80->80/tcp, 0.0.0.0:443->443/tcp            Xgenoffice-documentserver
```

3. Start a bash shell by running the following command with the target container name. For example, **docker exec -it <container_name> bash**.

```
docker exec -it  Xgenoffice-documentserver  /bin/bash
```

4. Open **ds.conf** file for ssl configuration, replace containt as give below into **dc.conf**. and make sure ssl file path should be change as your locate SSL path

```
vim /etc/nginx/conf.d/ds.conf
```

```
include /etc/nginx/includes/http-common.conf;
## Normal HTTP host
server {
  listen 0.0.0.0:80;
  listen [::]:80 default_server;
  server_name _;
  server_tokens off;
  ## Redirects all traffic to the HTTPS host
  root /nowhere; ## root doesn't have to be a valid path since we are redirecting
  rewrite ^ https://$host$request_uri? permanent;
}
#HTTP host for internal services
server {
  listen 127.0.0.1:80;
  listen [::1]:80;
  server_name localhost;
  server_tokens off;
```

```
  include /etc/nginx/includes/ds-common.conf;
  include /etc/nginx/includes/ds-docservice.conf;
}
## HTTPS host
server {
  listen 0.0.0.0:443 ssl;
  listen [::]:443 ssl default_server;
  server_tokens off;
  root /usr/share/nginx/html;
  ## Strong SSL Security
  ssl_certificate /var/www/onlyoffice/office.bvkgroup.crt;
  ssl_certificate_key /var/www/onlyoffice/office.bvkgroup.key;
  # Uncomment string below and specify the path to the file with the password if you use encrypted certificate key
  # ssl_password_file {{SSL_PASSWORD_PATH}}
  ssl_verify_client off;
  ssl_ciphers "EECDH+AESGCM:EDH+AESGCM:AES256+EECDH:AES256+EDH";
  ssl_protocols  TLSv1 TLSv1.1 TLSv1.2;
  ssl_session_cache  builtin:1000  shared:SSL:10m;
  ssl_prefer_server_ciphers   on;
  add_header Strict-Transport-Security max-age=31536000;
  add_header X-XSS-Protection "1; mode=block" always;
  add_header X-Content-Type-Options "nosniff" always;
  add_header Content-Security-Policy "default-src * data: 'unsafe-eval' 'unsafe-inline'" always;
  add_header 'Access-Control-Allow-Origin' '*';
  add_header Strict-Transport-Security "max-age=31536000; includeSubDomains; preload" always;
  add_header 'Referrer-Policy' 'same-origin';

  include /etc/nginx/includes/ds-*.conf;
}
```

5.   Restart nginx service and hit on browser using url https:// 0.0.0.0-ip/

```
/etc/init.d/nginx restart
```

"If you require any help than feel free to connect with Brijesh Tiwari"