

# EveryonePrint for Linux Enterprise 4.0

## Installation and Configuration Guide

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# 1. EveryonePrint for Linux Enterprise Overview

This guide covers the requirements and procedures for installing EveryonePrint on Linux Enterprise.

EveryonePrint for Windows and EveryonePrint for Linux are essentially identical, except not all features in EveryonePrint are implemented in the Linux version.

This guide does not go into detail on the general configuration and usage of EveryonePrint, for that we refer to the main EveryonePrint Install Guide.

## 1.1 Features included in EveryonePrint for Linux Enterprise

The following outlines the overall features available in the EveryonePrint for Linux Enterprise edition.

- Web Print
- Email Print
- Driver Print (Simple Driver Print supported. Advanced Driver Print not supported)
- Mobile Print (Apple iOS, Android and Windows Phone Apps, and Apple Bonjour AirPrint)
- Wide Area Mobile Print (AirPrint without Bonjour)
- LDAP Authentication

## 1.2 Supported documents

The EveryonePrint for Linux supports the following document formats.

- Microsoft Office and OpenOffice using built-in Office conversion engine
- PDF, RTF and TXT
- Images (JPG, GIF, PNG, TIF, BMP)

## 2. Prerequisites and Requirements

The following are required for a successful EveryonePrint for Linux Enterprise installation:

- EveryonePrint for Linux Enterprise is supported on:
  - RedHat Enterprise Linux/CentOS 6.5 and 7
  - SUSE Linux Enterprise Server 11 SP3 or SLES 12
  - Only 64bit Linux versions supported
  - Linux on IBM System z mainframe platform (s390x and POWER supported)
- An EveryonePrint Enterprise license is required. Standalone, Connect and Connect Professional licenses cannot be used.
- A server with the following minimum specifications:
  - Recent generation server grade CPU processor. Desktop CPU's are not recommended.
  - Minimum 4 GB of RAM memory available to EveryonePrint (recommended 6–8 GB for higher volume processing)
  - Minimum 10 GB of free hard disk for print spooling and processing on both /opt and /tmp
- Root access for installation
- The following libraries/tools are required:
  - CUPS
  - CURL
  - Fontconfig
  - FreeType

For other specific requirements and recommendations, please refer to the general EveryonePrint Install Guide.

## 2.1 Known issues/limitations

The following are known limitations in EveryonePrint for Linux Enterprise version 4.0.

Reference	Summary	Priority/Notes
EOP-542	Slow performance converting MS Office PowerPoint files containing larger images	High
EOP-539	Some OpenOffice Slides ODP conversions fails with message "not an ODP file"	Very high
EOP-820	<p>The built-in IPP print server in EveryonePrint listens on port 8631, but the default instructions under EveryonePrint Admin -&gt; Settings -&gt; Driver Print says port "631".</p> <p>The port mentioned in the Admin Driver Print settings should be manually changed to 8631 if Driver Print feature is used, to get correct visual instructions for end-user UI.</p>	Normal
EOP-957	Not possible to configure applications default general print job settings, such as default BW, default duplex or if users are allowed to modify settings.	Normal
EOP-964	Printing via Google Cloud Print specifying BW in GCP UI, print jobs are still printed in color	High
EOP-976	Advanced Driver Print not enabled on Linux	Major

## 3. Installing EveryonePrint for Linux Enterprise

### 3.1 Install dependencies

Prior to installing EveryonePrint, install the required dependencies using either yum or zypper, ie

```
yum install cups
yum install curl
yum install fontconfig
yum install freetype
```

### 3.2 Prepare printers on server

EveryonePrint can support locally installed CUPS printer queues.

Install print queues in CUPS either by using the CUPS Web interface, or using the command line tool lpadmin.

### 3.3 Install EveryonePrint

**All actions must be performed as root or a user with sudo rights.**

First extract the compressed file.

```
[root@lab4linuxdev1 Downloads]# ll
total 565860
-rwxrw-rw-. 1 root root 579436138 Jun 18 12:51 everyoneprint.tar.bz2
[root@lab4linuxdev1 Downloads]# tar -xjf everyoneprint.tar.bz2
```

Next, change to the EveryonePrint directory and run the install script.

```
[root@lab4linuxdev1 Downloads]# cd everyoneprint
[root@lab4linuxdev1 everyoneprint]# ./install.sh
```

The installer script will check for dependencies, create a user and copy files to /opt/everyoneprint. During the installer script, the license agreement is shown. Enter “yes” to accept and continue.

```
Init is SysV
CentOS release 6.5 (Final)
Checking for dependencies...
'cups' installed => OK
'curl' installed => OK
'fontconfig' installed => OK
'freetype' installed => OK
```

```
Accept license [yes/no]: yes
Checking for user eop
Creating user 'eop'...
Creating user 'eop'...done
Copying to /opt/everyoneprint...
Copying to /opt/everyoneprint...done
Setting permissions...
Setting permissions...done
Copying init scripts...
Copying init scripts...done
Installing services...
Installing services...done
Starting services...
Starting /opt/everyoneprint/system-init/database.sh start: Starting database...

Starting /opt/everyoneprint/system-init/web.sh start: Starting web server...
Jetty pid: 17161

Starting services...done
Installation finished!
```

### 3.4 Manually stopping and starting services

The EveryonePrint Web and database services can be stopped and started manually by calling the service command line tool. Such as:

```
[root@lab4linuxdev1 ~]# service eop-web start
```

Or the database service

```
[root@lab4linuxdev1 ~]# service eop-database start
```

## 4. Tips and Troubleshooting

### 4.1 Expand font support on Linux

Most of the DOC and DOCX documents submitted for conversion on the EveryonePrint Linux server were probably created using Microsoft Word on Windows or Mac OS. Those documents certainly use fonts that were available on the Windows or Mac OS: "Windows fonts" or "Office fonts", fonts that are installed with Microsoft Windows or with Microsoft Office. These fonts include Arial, Calibri, Cambria, Century Gothic, Courier New, Garamond, Tahoma, Verdana, Wingdings and many others.

The problem is that these TrueType fonts are not installed by default on Linux. Ex: a DOCX document that is formatted with the Cambria will be converted using a different font because

Cambria is not available on Linux. This will cause the printed document to look different compared to the original DOCX.

To make sure that documents converted by EveryonePrint Linux appear as close to the original as possible, you can install "Windows fonts" on your Linux system.

### **How to install additional True Type Fonts on Linux:**

#### **On Windows:**

How to copy .TTF and .TTC files from a Windows machine

1. Create a temp directory

```
C:\>md \temp\truetype
```

2. Copy \*.ttf and \*.ttc files

```
C:\>copy c:\windows\fonts\*.tt* c:\temp\truetype\
```

3. Zip content of directory c:\temp\truetype\ to truetype.zip

4. Copy truetype.zip file to your Linux box.

#### **On Linux box:**

1. Verify /usr/share/fonts/truetype directory exists:

```
$sudo find /usr/share/fonts/truetype -type f -name "*.ttf"
```

```
/usr/share/fonts/truetype/OpenSans-Bold.ttf  
/usr/share/fonts/truetype/OpenSans-BoldItalic.ttf  
/usr/share/fonts/truetype/OpenSans-CondBold.ttf
```

```
... / ...
```

```
/usr/share/fonts/truetype/luxisb.ttf  
/usr/share/fonts/truetype/luxisbi.ttf  
/usr/share/fonts/truetype/luxisr.ttf  
/usr/share/fonts/truetype/luxisri.ttf
```

2. If directory doesn't exist, create one

```
$sudo mkdir /usr/share/fonts/truetype/
```

3. Unzip to /usr/share/fonts/truetype/

```
$sudo unzip truetype.zip -d /usr/share/fonts/truetype/
```

4. Restart EveryonePrint Web service