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Linux - An Alternative PC Operating System

By

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What We Will Cover:

- What is Linux?
- Why Use Linux?
- Linux and Genealogy

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What is Linux?

- Alternative OS Created by Linus Torvalds in 1991
- Unix-Like Operating System for PCs
- Most Network Servers Run a Version of Linux
- Also for Embedded Systems and Cell Phones

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More About Linux...

- **Open Source OS - *Free to Download!***
- **Has Graphical User Interface like Windows, Mac**
- **Familiar Applications Are Included:**
  - **Word Processor, Spreadsheet, Text Editor, etc**
  - **Web Browser, File Manager**
  - **Many Other Programs and Utilities**

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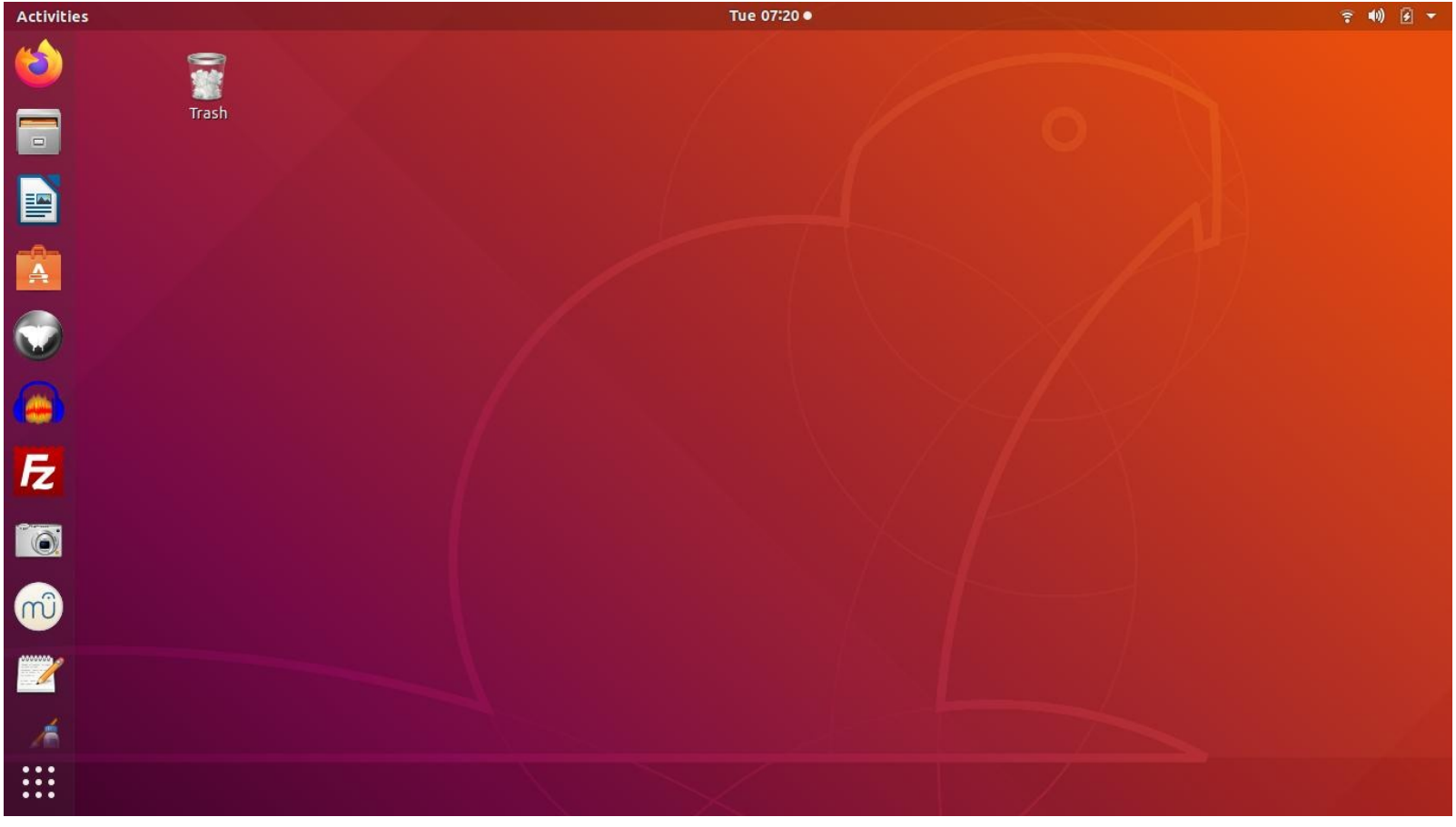

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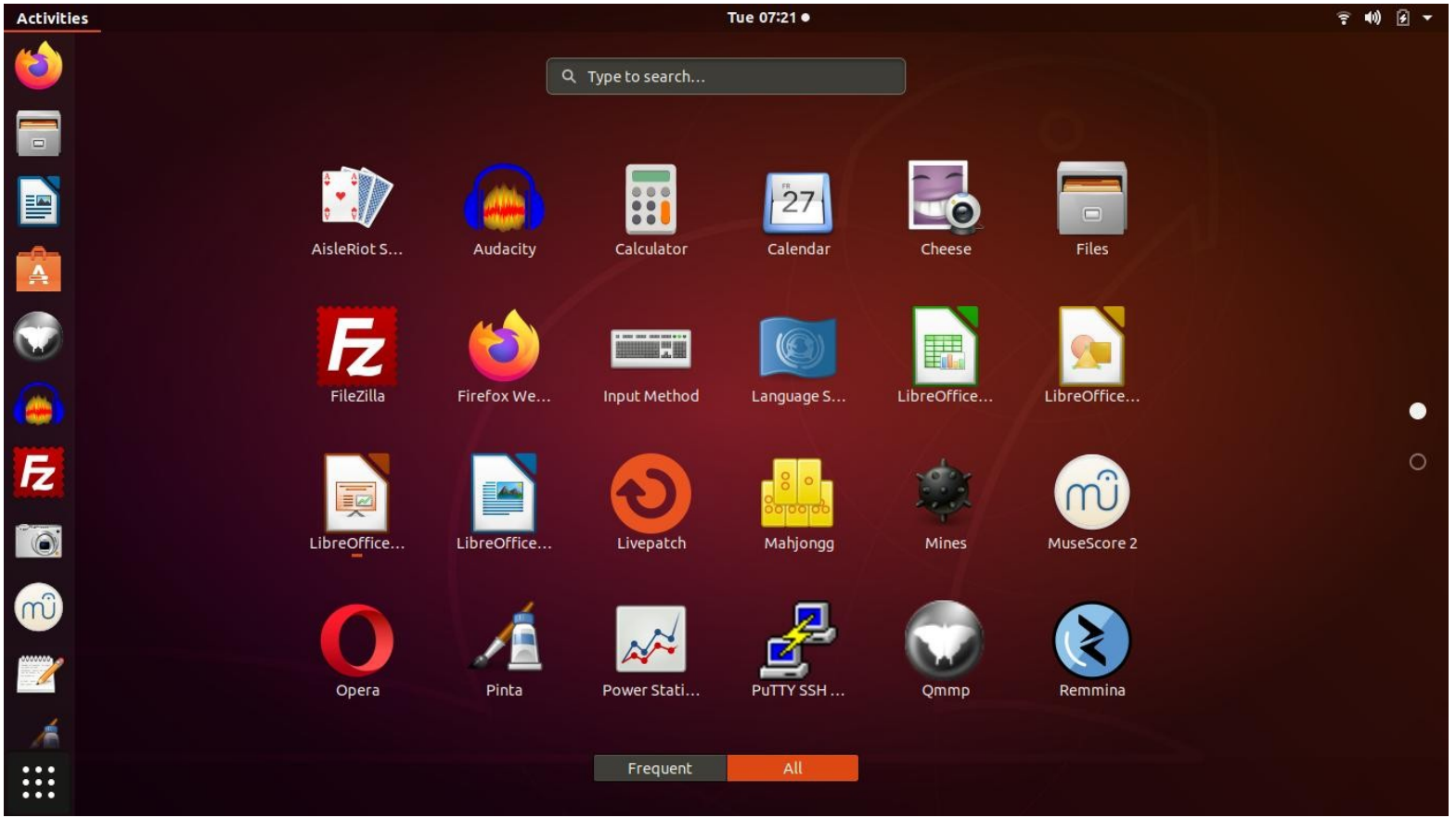

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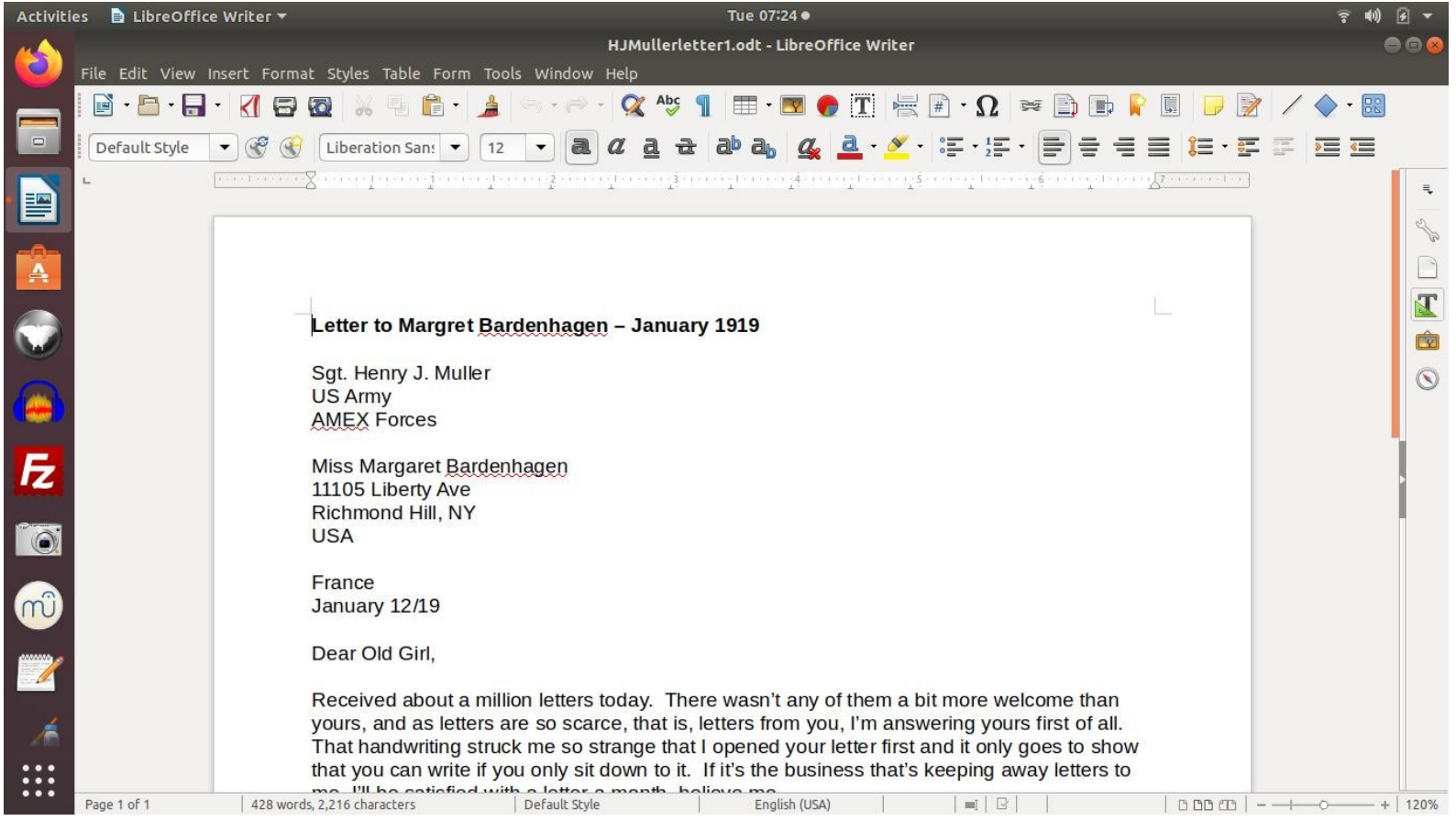

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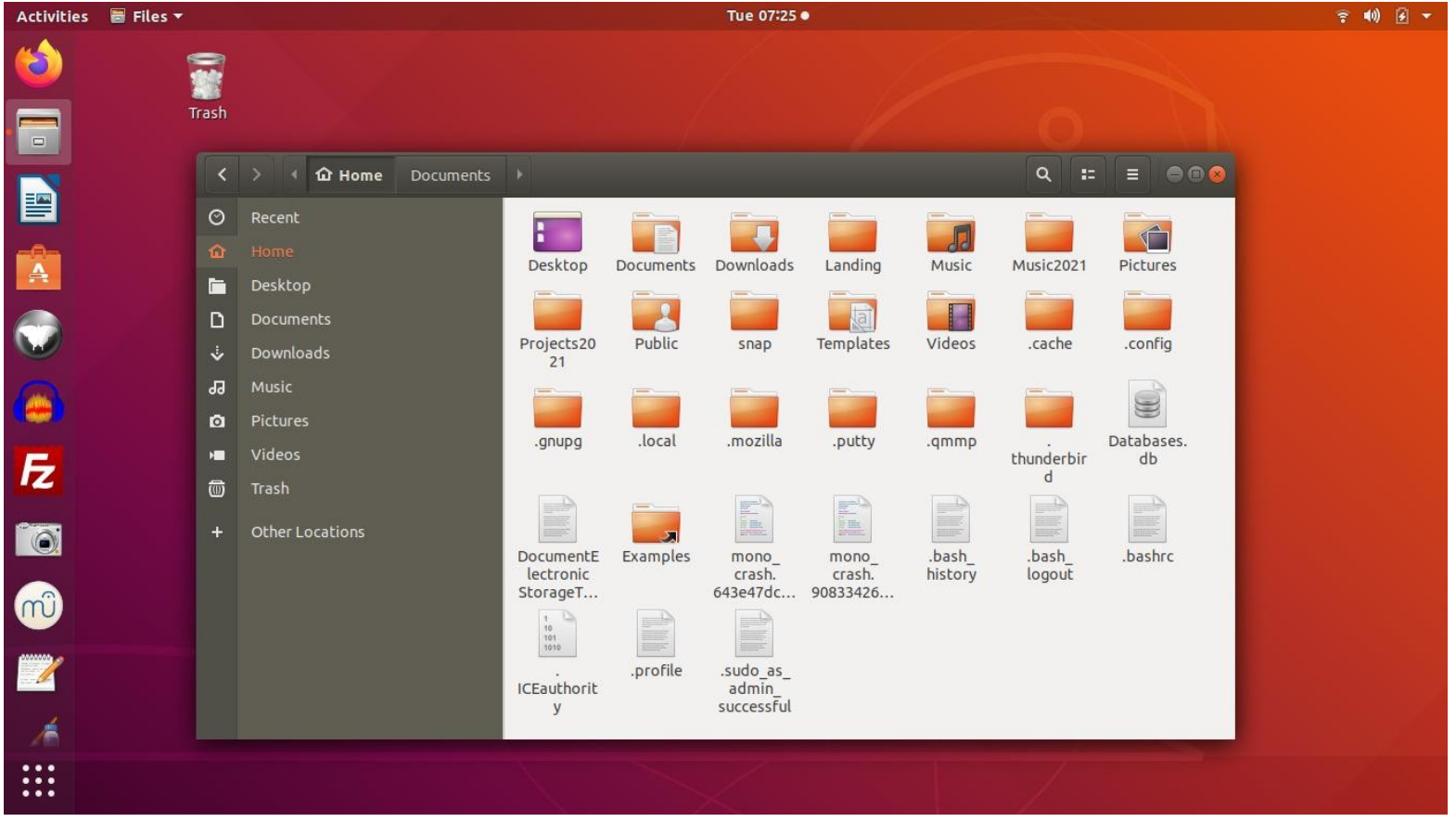

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PC Requirements – Ubuntu Linux

- 2 GHz dual core processor or better.
- 4 GB system memory or more.
- 25 GB of free hard drive space.
- Either a DVD drive or a USB port for the installer media.
- Network and Internet access

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Why Linux?

- **Reliability and Redundancy**
- **Open Source vs Corporate OS**
- **Other Linux OS Advantages**

Linux Reliability

- One Hard System Crash in 3 Years
- Restored System in 2 Hours
  - Re-installed Operating System
  - Downloaded All Open Source Apps
  - Reloaded Working Files From Backup

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Redundancy

- Identical Ubuntu Systems
- External 3 TB Hard Drive
- If One System Fails…
- Move Over to the Other
- Both PCs 10+ Years Old

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Low Cost PC for Linux:

MeLE Mini PC, Quieter2Q Windows 11 Pro Fanless Mini PC,Celeron J4125 8G 128G Small Desktop Computer Support Dual 4K Output,Dual WiFi,Gigabit Ethernet, BT4.2,Small Form Factor PC for Business/Industry

Visit the MeLE Store

4.5 ★★★★½ 56 ratings

$219.99

FREE Returns

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Pay $36.67/month for 6 months, interest-free upon approval for the Amazon Rewards Visa Card

Size: **Celeron J4125 8G 128G**

Celeron J4125 4G 64G	**Celeron J4125 8G 128G**	Celeron J4125 8G 256G
Celeron J4125 8G 512G	Celeron N5105 8G 128G	Celeron N5105 8G 256G
Celeron N5105 8G 512G		

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Linux Operating System

- Easy to Duplicate On Your Different PCs
- Backup OS Can be Stored on Thumb Drive
- Less Vulnerable to Malware Attack
- Less Likely to Incorporate Ads and Data Mining
- Less Upgrade Fatigue

Linux vs. Corporate Software

- For Profit Software Depends on Selling Upgrades
- For Profit May Suspend Support for Your Data Files
- Open Source Software is Free, Installs Quickly
- No Access Keys or Dongles Needed

Other Linux Advantages

- Salvage Older PCs
- Better Programming Options
  - Perl, GCC Compiler, Python
- Network Friendly
  - File Transfer Servers
  - Apache Web Page Server, Telnet Server

Some Linux Disadvantages

- **Learning Curve**
- **Some Hardware Limitations**
- **Apps are Limited for Videos, Graphics**

“Everything You Want - Nothing You Don’t Need”

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OK… But can it do Genealogy?

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Top 10 Genealogy Software Reviews – Linux?

- **Family Tree Builder – No**
- **Roots Magic – No**
- **GenoPro – No**
- ***Gramps – Yes! Open Source***
- **Ancestral Quest – No**
- **Legacy Family Tree – No**
- **Mac Family Tree – No**
- **TNG – No**
- **Family Tree Heritage – No**
- **Family Historian - No**

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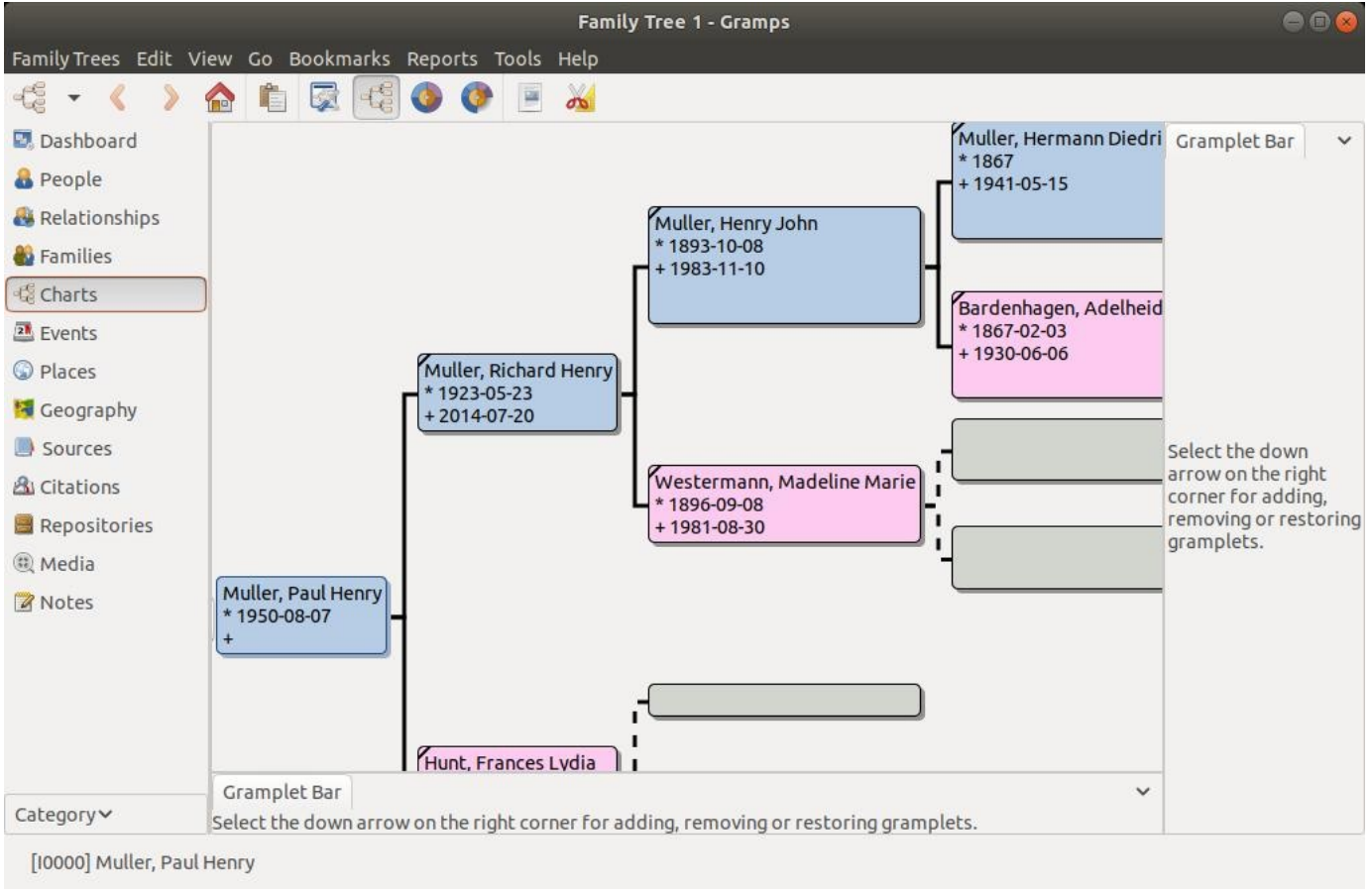

Genealogy Software Strategy

- **Migrate to Open Source:**
  - **For-Profit Software May Disappear**
  - **Clean up and Rebuild Your Genealogy Database**
  - **Increase Reliability with Different OS, Software**
  - **Lower Cost to Replace PC When Necessary**

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Questions?

Comments?

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Links for this Presentation:

- **Ubuntu:**
  - **https://ubuntu.com/**
  - **https://ubuntu.com/tutorials/try-ubuntu-before-you-install#1-getting-started**
- **Gramps Website: https://gramps-project.org/blog/**
- **Gramps Tutorial: https://youtu.be/5XSMIfP-T_w**