

OSWorld CUA SFT - Ubuntu VM Setup & LibreOffice Calc Task

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Introduction: Technical Assessment Overview

This report details the setup of a virtualized environment and execution of specific tasks, demonstrating proficiency in system administration and software usage.

VMware Installation

Setup of the virtualization platform.

Ubuntu OS Installation

Deployment of the Linux operating system.

Environment Configuration

Fixed resolution and verification commands.

LibreOffice Task

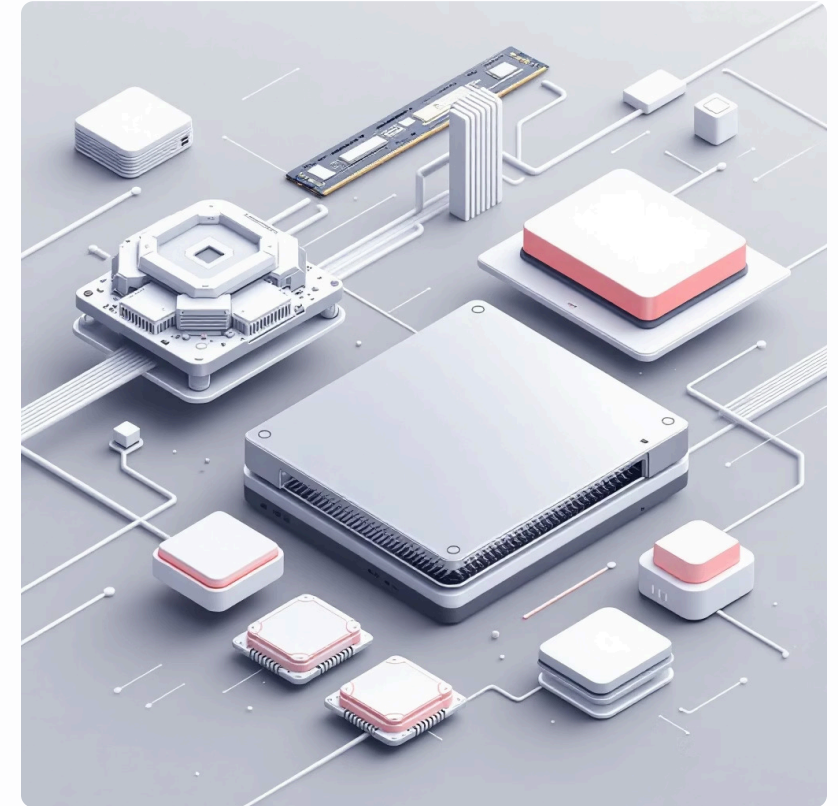
Completion of a data management task.

Host Hardware Verification

Ensuring the host system meets minimum specifications is crucial for optimal VM performance.

- 16GB RAM confirmed
- CPU model and virtualization support checked
- Disk availability verified

These steps confirm the host is ready for virtualization.



VMware & Ubuntu Setup



VMware Download & Install

VMware Workstation Player downloaded and successfully installed.



VM Creation

Configured with 8GB RAM, 40GB disk, 2 CPU cores, and 3D acceleration.



Ubuntu ISO Download

Ubuntu 22.04.5 LTS downloaded from the official site.



Ubuntu Installation

Normal installation process, including language, keyboard, timezone, and account setup.

VM Configuration: Display Resolution

1 Resolution

Set to 1920×1080 for optimal clarity.

2 Scaling

Maintained at 100% to prevent UI distortions.

3 Consistency

Crucial for reliable automation scripts and visual validation.



VMware Resolution Locking

Locking the resolution ensures a stable and predictable environment, vital for tasks requiring precise visual consistency or automated scripting.



Autofit Disabled

Prevented automatic resolution changes.



Custom Settings

Enabled specific monitor configurations.



1080p Fixed

Ensured VM maintained 1080p resolution.

System Verification Commands

Executed commands to verify core system components and configurations, ensuring correct setup and functionality.

1

```
lsb_release -a
```

Confirmed Ubuntu version 22.04.5 LTS.

2

```
uname -a
```

Identified kernel version for stability checks.

3

```
df -h
```

Confirmed disk usage and available space.

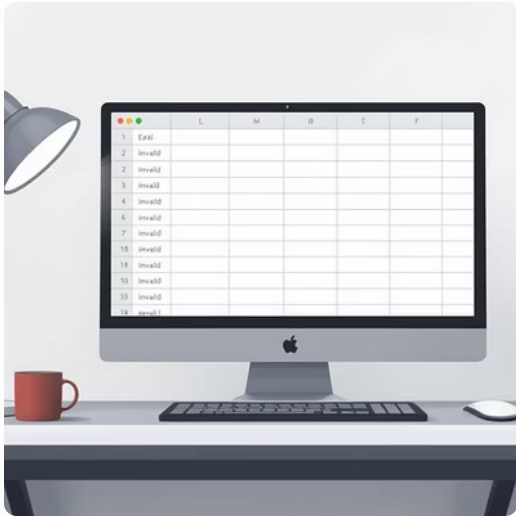
4

```
echo $XDG_SESSION_TYPE
```

Checked for Wayland session for display server.

LibreOffice Calc Assessment Task

A data cleaning task was performed using LibreOffice Calc.



Phone numbers				
	B	B	M	F
Phone	Phone	Numer	Comment	Limit
1	011	12/25,6500		\$5,85,750
2	011	5/43,0900		\$1,76900
3	011	5/44,1000		\$7,565,50
4	011	6/3,5,0500		\$1,7507
5	011	8/45,0700		\$1,5258
6	011	17/12,1500		\$2,1477
7	011	8454,1000		\$5,1595
8	011	8/29,1900		\$3,1705
9	011	6125,1000		\$5,6775
10	011	5/17,6500		\$1,7507
11	011	5/64,0000		\$1,7507

	B	C	F	D	F
Abbr	Abbr	State	Full	Name	Name
1	Sate	Wocha	Mochi	Toll	Shita
2	Lamdan	Maighi	Dulla	Joch	Maula
3	Sbauc	Kohan	Accury	Cacen	Mith
4	Picman	Dazy	New	Kella	Twil
5	Carul	Khnean	Curl	Desen	Warua
6	Mahana	Call	Berryin	Cania	Mall
7	Daua	Maik	Sundschn	Cherina	Dall
8	Land	Wirden	Lurine	Jalla	Mai
9	Nonna	Hamapanum	Calngan	Macana	Miania
10	Calli	Aznana	Marna	Ulkemal	Beshan

Orders - Cleaned CSV									
ID	Order	Product	Price	Quantity	Discount	Tax	Shipping	Total	Status
1	1001	Product A	10.00	1	0.00	0.00	0.00	10.00	Completed
2	1002	Product B	20.00	2	0.00	0.00	0.00	40.00	Completed
3	1003	Product C	30.00	3	0.00	0.00	0.00	90.00	Completed
4	1004	Product D	40.00	4	0.00	0.00	0.00	160.00	Completed
5	1005	Product E	50.00	5	0.00	0.00	0.00	250.00	Completed
6	1006	Product F	60.00	6	0.00	0.00	0.00	360.00	Completed
7	1007	Product G	70.00	7	0.00	0.00	0.00	490.00	Completed
8	1008	Product H	80.00	8	0.00	0.00	0.00	640.00	Completed
9	1009	Product I	90.00	9	0.00	0.00	0.00	810.00	Completed
10	1010	Product J	100.00	10	0.00	0.00	0.00	1000.00	Completed

Troubleshooting & Time Spent

Issues Faced

- VMware resolution irregularities
- Phone number formatting challenges
- Managing state abbreviation replacements



Estimated Time Allocation

VMware Setup	0.5
Ubuntu Installation	1.5
Resolution Config	0.5
System Verification	0.5
LibreOffice Task	0.5

Total estimated time: 3.5 hours.



Conclusion: Assessment Success

This technical assessment successfully established a virtualized environment and demonstrated core system administration and data management capabilities.

Requirements Met

All specified requirements fulfilled.

Environment Ready

Configured for OSWorld automation workflows.

Proficiency Shown

Assessment completed with precision.