

# Choosing The Best Operating System

Pennsylvania State University World Campus

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IST 110 SPR 2024: Information, People, and Technology

February 18, 2024

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## Introduction:

Selecting the correct operating system is so important for business to make sure about the compatibility and efficiency with the working environment. For startups and small organizations, the choice within MAC OS, Windows and Linux can majorly impact their internal operations.

## Benefits and Disadvantages of Operating Systems

- **Windows:**
  - Benefits: there is a compatible and familiar interface for most users, also there is wide compatibility with software and hardware (Kaur, Chopra & Singh, 2023).
  - Disadvantages: this is vulnerable to threats and malware, requires regular updates.
- **Mac OS:**
  - Benefits: the design is attractive, there are strong graphics capabilities, and less susceptible to viruses.
  - Disadvantages: there are limited hardware options, which can be more expensive.
- **Linux:**
  - Benefits: Highly customizable, open-source, robust security features.
  - Disadvantages: extremely low learning curve, fewer compatible applications, limited support.

## Appropriateness for Each Company:

Company	Windows	Mac OS	Linux
<b>Nonprofit Social Service</b>	Appropriate for compatibility and ease of use.	Inappropriate due to cost Disadvantages derations.	Inappropriate due to compatibility issues.
<b>Small Interior Design Firm</b>	Appropriate for compatibility with industry-standard software.	Appropriate for strong graphics capabilities (Yaswinski, Chowdhury & Jochen, 2023).	Inappropriate due to limited software compatibility.

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<b>Social Media Advertising Agency</b>	Appropriate compatibility with common business software.	Appropriate for creative work and design tasks.	Inappropriate due to limited support for specialized software.
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### Recommendations:

The recommendation for each organization is given as follows:

- Non-profit Social Service Organization: Windows
- Small Interior Design Firm: Windows or Mac OS
- Social Media Advertising Agency: Windows or Mac OS

### Conclusion:

Thus, it can be concluded that Windows is recommended for the organization as it can provide compatibility and ease of use. The organization can choose between Mac OS and Windows as per their compatibility.

## References

- Kaur, B., Chopra, S., & Singh, G. (2023). COMPARISON OF LINUX AND WINDOWS AND THEIR SERVER CONFIGURATION. *Trends in Interdisciplinary Research Volume II*, 68.
- Yaswinski, M. R., Chowdhury, M. M., & Jochen, M. (2019, May). Linux security: A survey. In *2019 IEEE International Conference on Electro Information Technology (EIT)* (pp. 357-362). IEEE.