Application Concepts and Uses

Software Compatibility, Licensing, and Installation Best Practices

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Student Engagement & Mentoring in Technology

Learning Objectives

Bullet	Define and compare	Understand	Identify	Assess
Bullet Points:	Define and compare cross-platform and single-platform software.	Understand software licensing types and models.	Identify best practices for software installation.	Assess software compatibility issues.

Cross-Platform vs Single Platform

- **Cross-Platform Software:** Works on multiple OS (e.g., MS Office).
- **Single Platform Software:** Limited to one OS (e.g., Apple Keynote).

Architecture Considerations

x86 (32-bit): Older architecture, lower performance.

x64 (64-bit): Modern systems, improved performance.

Use correct version to optimize efficiency.

Software Installation Best Practices

1

Always read instructions.

2

Watch for advanced settings.

3

Understand how users will interact with the software.

4

Secure license keys.

Types of Software

Proprietary Software: Owned/licensed by a vendor (e.g., Windows, Adobe).

Open Source Software: Free to use/modify (e.g., Linux, LibreOffice).

Software Licensing Models

- **Single User License**
- **Site License**
- **Concurrent License**

License Purchase Models

One-Time Purchase: Higher upfront, limited support.

Subscription: Lower upfront, regular fees, updates included.

Popular in cloud services (e.g., Microsoft 365, Adobe CC).

Managing License Keys

License keys are installation "passwords."

Misuse leads to license violations or lockouts.

Track securely and restrict access.

Exam Essentials

1 Know platform compatibility terms.

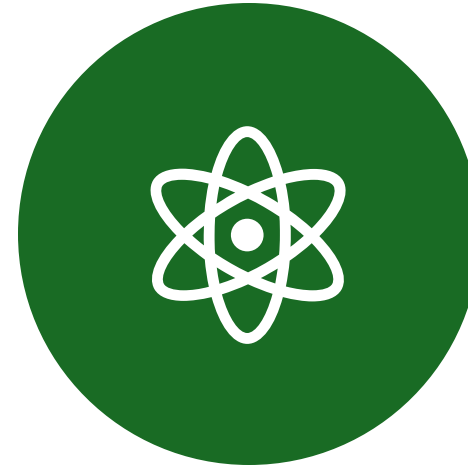**2** Recognize license types and use cases.

3 Follow installation best practices.

4 Understand architecture impacts.

Q:
YOU PURCHASED SOFTWARE THAT CAN BE USED BY ANYONE IN THE COMPANY AS LONG AS IT'S INSTALLED ON CORPORATE-OWNED COMPUTERS.
WHAT LICENSE TYPE IS THIS?

A: SITE LICENSE

Practice Question 2

Q:
Your organization uses both Windows and Mac.
What kind of software do you need for collaboration?
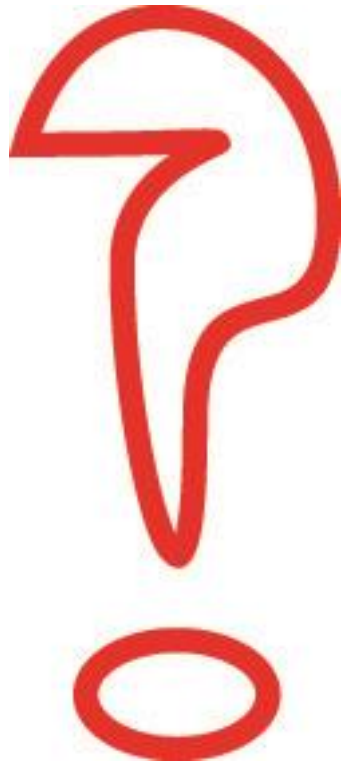
A: Cross-Platform Software

Reflection

- **Discussion:**
  How does the type of software we choose impact communication and collaboration?

Thank You / Q&A