

# Assignment – 1

## Tasks: 1

### 1: The Use of Different OS Versions in Organizations

#### The Use of Operating System Versions, in Organizations;

Organizations often choose to utilize versions of operating systems (OS) for a variety of reasons. The decision behind this practice is multifaceted, taking into consideration factors such as compatibility with legacy systems, requirements of applications, security concerns and budget limitations.

#### Advantages;

**Compatibility with Legacy Systems:** Some organizations heavily rely on software or hardware that can only function properly with OS versions. Maintaining these OS versions ensures the operation of these legacy systems.

**Meeting Application Requirements:** Certain applications or software may be specifically optimized for an OS version. By utilizing OS versions organizations can meet diverse software needs without compromising functionality.

**Addressing Security Concerns:** Security vulnerabilities may be unique to OS versions. By running a mixture of OS versions organizations can employ a defense, in depth strategy to mitigate the risk of security breaches.

#### Challenges:

Managing a range of operating systems can be quite complex, for organizations. It requires effort in terms of keeping up with updates, patches and troubleshooting. This complexity can lead to increased costs.

**Compatibility Issues;** When different versions of operating systems are used simultaneously it can create interoperability challenges. This may result in compatibility issues that hinder collaboration and data sharing.

### Real world Examples:

Financial Institutions; Banking systems often utilize a combination of operating system versions to support both legacy mainframe systems and newer secure platforms.

Healthcare Organizations; Electronic Health Record (EHR) systems may necessitate operating system versions to ensure compliance and seamless integration, with healthcare software.