File system security features in Windows 11

**Description**

In this report we will be analysing the following features that Windows 11 brings to tackle issues related to file system security and comparing them with the features provided by Apple’s latest version of its macOS operating system, macOS Ventura:

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| **Bitlocker drive encryption** |  |
| **Personal data encryption (PDE)** |  |
| **Security descriptors** |  |
| **Controlled folder access (CFA)** |  |
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**OS support**

**Comparison**

**Effects on developers**

**Conclusion**

**References**

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| 1 | <https://support.microsoft.com/en-us/topic/description-of-the-windows-file-protection-feature-db28f515-6512-63d1-6178-982ed2022ffb> |
| 2 | <https://learn.microsoft.com/en-us/windows-hardware/drivers/ifs/security-features-for-file-systems> |
| 3 | <https://learn.microsoft.com/en-us/windows/security/identity-protection/access-control/access-control> |
| 4 |  |