

# What to look for when buying disk encryption



Businesses are suffering potentially critical losses of value because of their failure to adequately protect their data at rest



**182** data breaches in 2015 in the US were attributed to a malicious insider<sup>1</sup>



**\$6.5m** per breach – the average cost in the US is the highest cost per data breach in the world!<sup>1</sup>

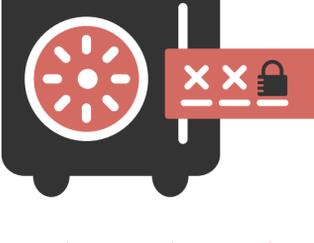


**61%** of organizations now think data theft is the greatest threat to their reputation<sup>2</sup>

Which is why Full Disk Encryption (FDE) is becoming increasingly more important



What is FDE?



**FDE is encryption at a hardware level**, converting data so it cannot be understood without a key to 'undo' it.

**Data remains inaccessible** even if the hard drive is inserted into another machine. This protects data that can be lost or stolen from portable devices, servers or storage devices.



But not all FDE solutions are the same and it's important to choose the one that's right for you

Suitability of a particular FDE product depends on:



The nature of your business



Your existing IT environment



The value you place on data security



Below are some key points to be aware of before purchasing FDE



## #1 Ease of implementation

How much disruption and risk are you prepared to tolerate when deploying the software?



## #2 Best practice authentication

Be aware that any good FDE solution will feature a robust and flexible authentication capability.



## #3 Efficient ongoing management

One of the main areas where different encryption products vary is in their management functionality.



## #4 Compatibility with your IT environment

Ensure your FDE is compatible with your existing IT environment.



## #5 Robust encryption standards

For effective protection against a determined attacker, you need to have an FDE product that is based on robust cryptography.



## #6 Minimal end-user impact

Although robust protection is vital, it's also important to ensure that your FDE solution doesn't negatively impact your end-users.



## #7 Compliance and auditability

Your compliance and auditability requirements must also be considered. FDE has an important role to play in keeping organizations compliant in many areas.



## #8 Eliminating data leakage

The final area to consider is what other solutions you need to implement alongside FDE to minimize the risk of sensitive data being lost or stolen. However good your FDE product is, it can only ever be a partial solution to protecting the data stored on a laptop or tablet.



Although the central purpose of all FDE products is the same, don't assume that all FDE products are equal.

Find out more in our [Disk Encryption Buyers Guide](#) >

For quick, straightforward data protection across your device estate, contact:

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