



<

Previous



Next

>

Characteristics of Data Security model

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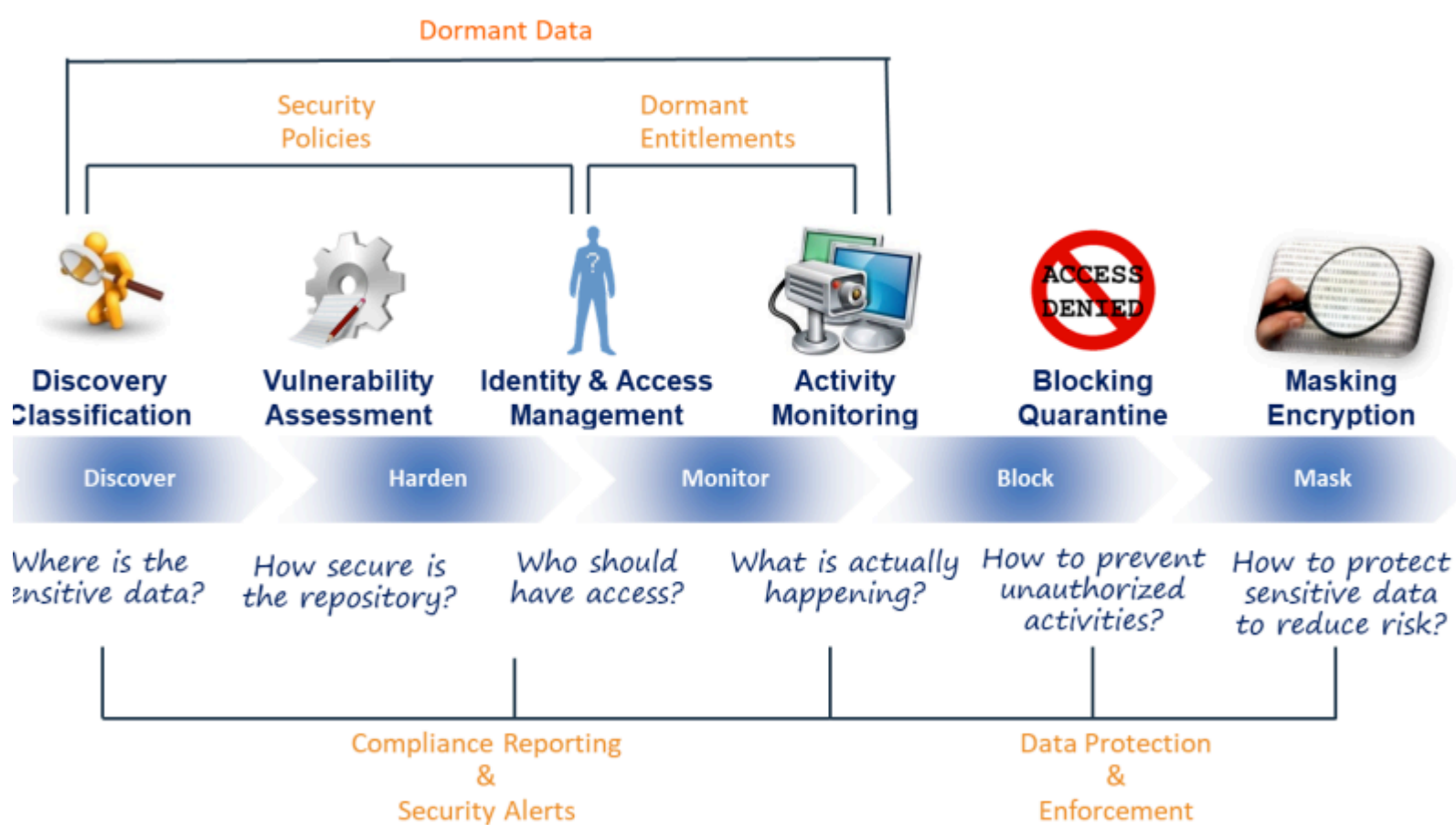
Addressing Data Security should be an evolving process. There is no one QUICK FIX for this. Any Data Security model or solution should be able to adapt to a constantly changing Landscape.

There are various stages/phases in any Data Security Solution.

1. Discover - To Know where the sensitive Data is?
2. Harden - To check how secure the repository is?
3. Monitor - Who should have access to what? AND What is happening
4. Block - If observed any unauthorized activity, it should be able to block that activity.
5. Mask - To mask or encrypt the sensitive data, to ensure the only authorized person can see that data. Which will also reduce the risk.

Any Holistic Data security model should be able to protect all data against unauthorized access and enable organizations to comply with government regulations and industry standards and should also be able to:

- Prevent Data Breaches: Prevent disclosure or leakages of sensitive data
- Ensure data privacy: Prevent unauthorized changes to data
- Reduce the cost of Compliance: Automate and centralize controls across diverse regulations and heterogeneous environments
- Identify Risk: Discovery sensitive information, assess configuration gaps and vulnerabilities



Below are the key characteristics for any Data Security Model –

- Non-invasive/disruptive, cross-platform architecture
- Dynamically scalable
- SOD enforcement for privileged access
- Auto discover sensitive resources and data
- Detect or block unauthorized & suspicious activity
- Granular, real-time policies and normalized audit

Who, what, when, how

- 100% visibility including local privileged access
- Minimal performance impact
- Does not rely on resident logs that can easily be erased by attackers, rogue insiders
- No environment changes

- Prepackaged vulnerability knowledge base and compliance reports for SOX, PCI, etc.
- Growing integration with broader security and compliance management vision

[< Previous](#)

[Next >](#)

