Quick Wins with Data Loss Prevention

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DLP Fears

- Too complex to deploy.
- Too many false positives.

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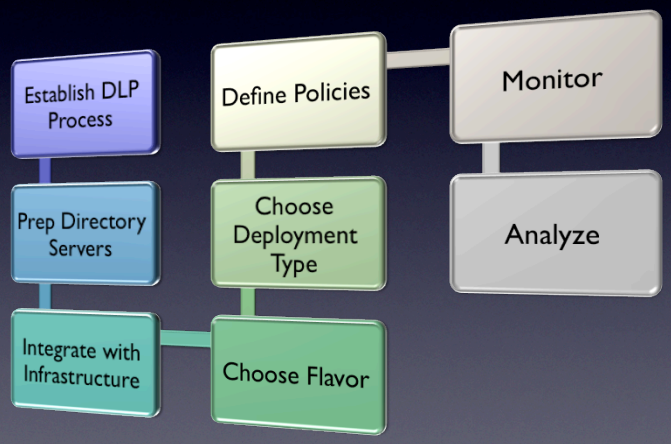
The Quick Wins Process



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"Products that, based on central policies, identify, monitor, and protect data at rest, in motion, and in use through deep content analysis."

-Rich Mogull

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What DLP Provides

- Helps you identify where you store sensitive information.
- Helps you understand how that information is used and moved throughout your organization.
- Proactively protects your information, while limiting impact on legitimate business processes.

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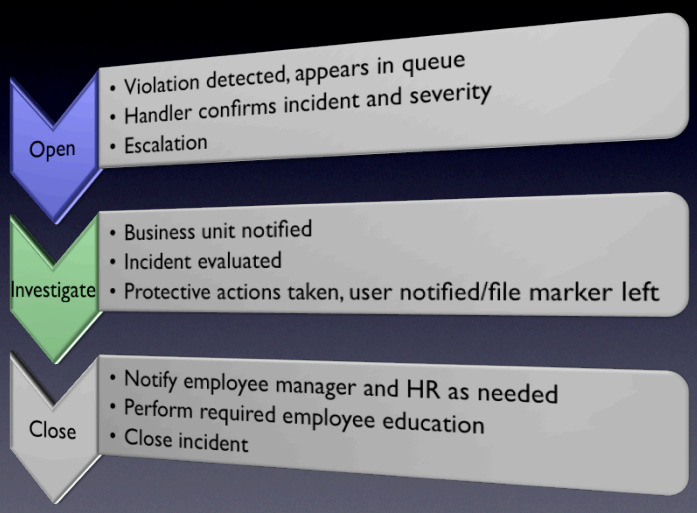
Defining Process



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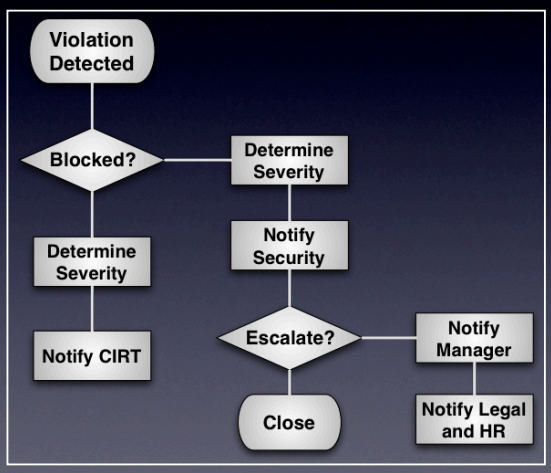
Process Workflow



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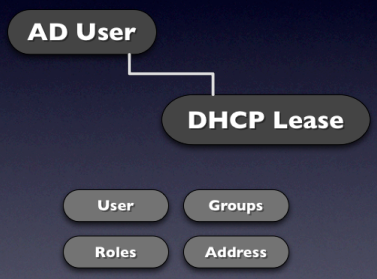
Prepare Directory Servers

- Why? DLP policies are typically user and group based.
- Need to correlate activities back to warm bodies.
- Poor directories are a leading obstacle to DLP deployments.
- Email vs. Web vs. Endpoint



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Integrate with Infrastructure

Network	Endpoint	Storage
• Passive sniffer (SPAN/ Mirror) • Email (MTA)	• Software deployment	• Admin credentials

Integration Recap

- For all deployments: Directory services (usually your Active Directory and DHCP servers).
- Network deployments: Network gateways and mail servers.
- Endpoint deployments: Software distribution tools.
- Discovery/storage deployments: File shares on the key storage repositories (you generally only need a username/password pair to connect).

Choose Flavor

Single Data Type

Information Usage

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Choose Deployment Type

Network

Storage

Endpoint

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Define Policies

Single Type

- Leverage an existing category when possible.
- Tune later.
- False positives are good!

Information Usage

- Turn on (nearly) everything.
- Collect as much as possible to identify usage patterns.

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Monitor

ID	Time	Policy	Channel	Severity	User	Action	Status
1138	1625	PII	Email	1.2 M	rmogull	Blocked	Open
1139	1632	HIPAA	IM	2	jsmith	Notified	Assigned
1140	1702	PII	HTTP	1	192.168.0.213	None	Closed
1141	1712	R&D/Product X	USB	4	bgates	Notified	Assigned
1142	1730	Financials	Storage	4	192.168.1.94	Encrypt	Escalated
1143	12/1/08	Source Code	Cut/Paste	12	sjobs	Confirm	Open

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Analyze

- Top violations by data type.
- Top violations by business unit.
- Top violations by volume.
- False positive patterns.
- Different violations from same source.
- Unusual origins.

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What Did We Accomplish?

- Established a flexible incident management process.
- Integrated with major infrastructure components.
- Assessed broad information usage.
- Set foundation for later.

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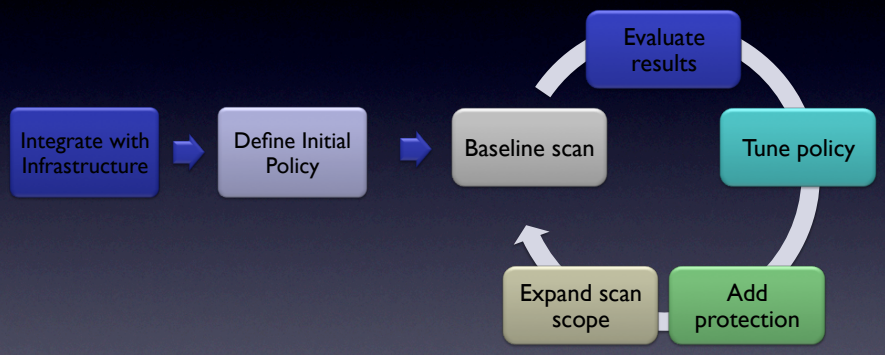
Deployment Best Practices



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