

### **Introducing Data-Awareness**

Gain Unprecedented Data Security and Visibility at the Point of Storage

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Organizations Today Need Data Security SUPERHEROS

#### The Objective:

- To keep your sensitive data safe and secure in your virtual environments
- To keep your business running safely and securely

#### The Tools:

- X-ray vision
- Psychic abilities
- Ability to construct a force field



## **Use Your X-RAY Vision** to Visualize Your Data

Export .



"If you don't know what your data is or what you need to protect, you can't do much to protect it properly"

HEIDI SHEY, Security and Risk Analyst, Forrester Research

## **Choose Your ALLY Wisely**

Leverage your **psychic** ability to determine who is accessing sensitive data when they shouldn't.

#### **Conventional Wisdom is Wrong.**

External hackers present a danger, but most data breaches originate from within the organization.



of US organizations polled feel vulnerable to insider threats



0ver **78%** 

of data breaches
occur from employee
negligence or
maliciousness



36%

of breaches involve "inadvertent misuse of data by employees"

# Your Data MUST Be Kept Safe

Data theft is not a victimless crime.

The cost could be your company, your reputation, your job. The threat is all around you. The crime can be silent or what's trending on Twitter...

Force Field ENABLED

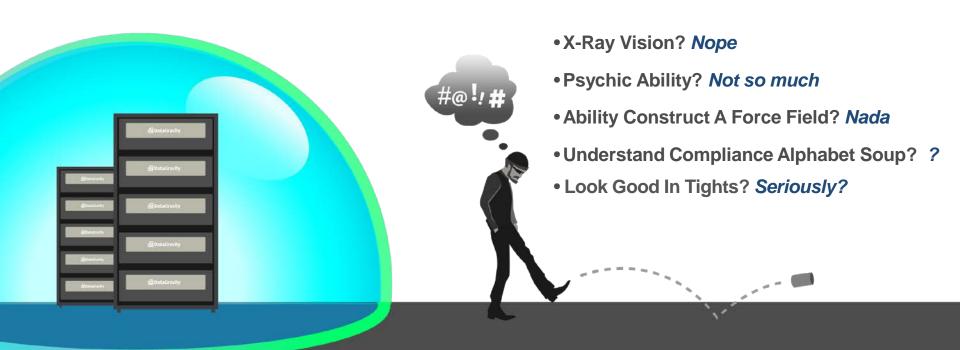


# What is Compliance?

- Protect/secure sensitive information and systems
- Provide audit/activity reports on demand



# Are You Ready To Be Data Security SUPERHEROS?



# Data-Aware Storage EMPOWERS IT Administrators With Data Security SUPERHERO CAPABILITIES



**Data-Aware Storage** integrates GRC capabilities into the storage appliance:

- **Visualization**: Ability to "virtually" see your data in the storage system and inside your virtual machines
- **File Analysis**: 360 degree view of your data: consumption, activity and demographics
- **Information Discovery**: Search and discovery across people, content and time
- Activity Tracking: Understanding who, what, when, and how data is changing
- Data Security: Proactively protecting data and VMs

# Data storage was historically concerned with "FIVE 9's" availability.

Now, it needs to expand and also include the FIVE W's of the data:

Who, What, When, Where and Why

# There is — without a doubt sensitive data hiding in your files and virtual machines.

End users inadvertently save personally identifiable information (PII) to the wrong place, or disgruntled employees try to

Wreak havoc on their way out the door.

Whatever the threat, preventing data security breaches starts with defining what you have and detecting risks so you can defend your sensitive, confidential data.

### Today's Challenge: More Data, More Problems



Your problem isn't your storage, it's your data.





[of all organizations] do not know where [sensitive] unstructured data resides





### Where's My Data?



### What's In My Data?



# 100%

of DataGravity customers have found sensitive data hiding in their file shares

### **Realities of Being Data-Aware**

Government agency found 600 files with exposed PII

Manufacturer recovered from CryptoLocker without paying fine

Compliance & Security



Disgruntled employee copied files to Dropbox before leaving

Admin inadvertently copied exec credit card # into public share

Risk Management



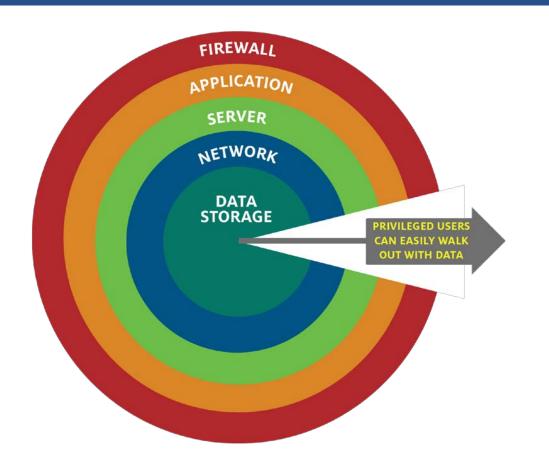
Government employee stored Lego movies on file share

Students stored personal MP3s on school servers

**Storage Efficiency** 



#### Your Data Is Not Safe



Authenticated access and firewalls are not enough

All infrastructure layers must be fortified



#### **Data Loss Is Inevitable**

#### All Companies Face It





















































#### From Inside And Out





**OVER 78%** 

of data breaches are internal – they occur from either employee negligence or maliciousness

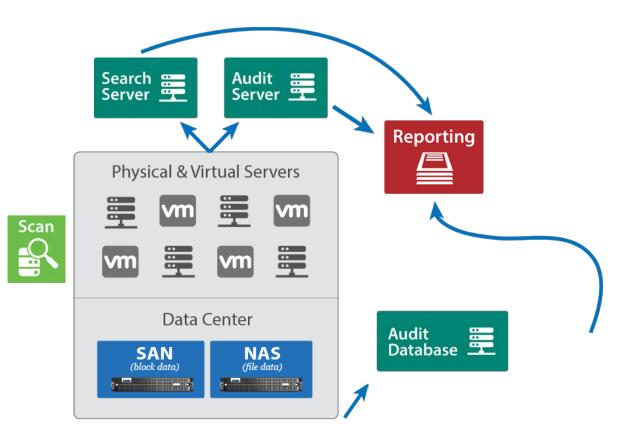


### **Best Way To Preempt Data Loss**





#### Traditional Approach: Complex Software

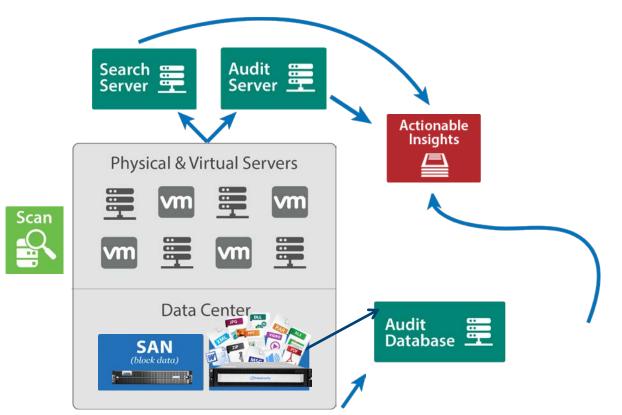


- ✓ A la carte
- ✓ Can span across multiple storage systems

- Delayed Discovery
- Requires Dedicated Resources
- Storage & Network Performance impact



#### Modern Approach: Data-Aware Storage



- √ Near real-time analytics
- Can coexist with existing storage
- ✓ No impact on network performance
- ✓ Plug and play simplicity
- ✓ Low cost of ownership
- ✓ No dedicated resources required
- Is a primary storage array



#### Data-Aware Storage Is Simple and Effective





#### Data-Awareness Delivers

100%

