

# Gestionando el riesgo corporativo a través de la tecnología.

## La visión de Dell Security

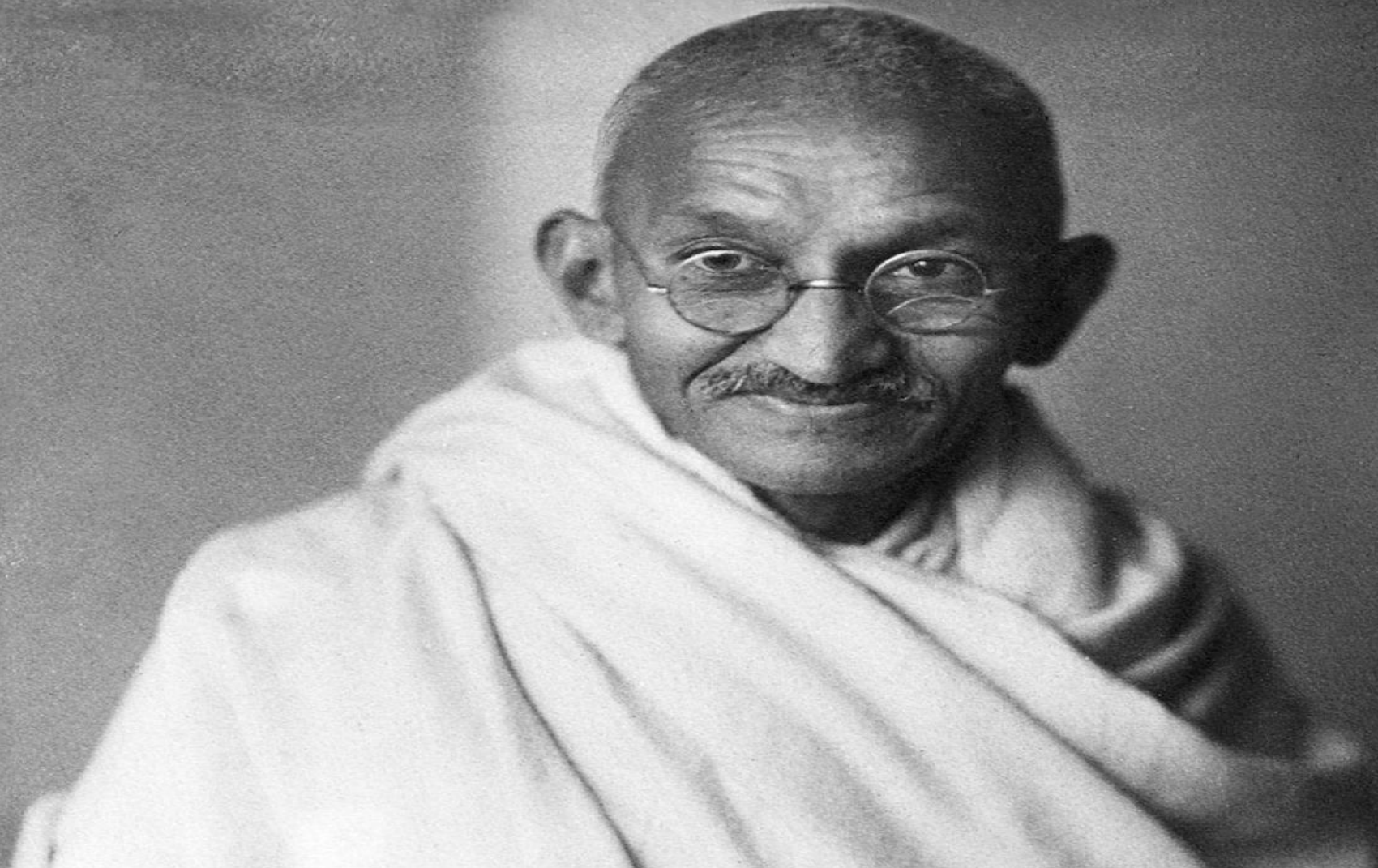
Ramsés Gallego

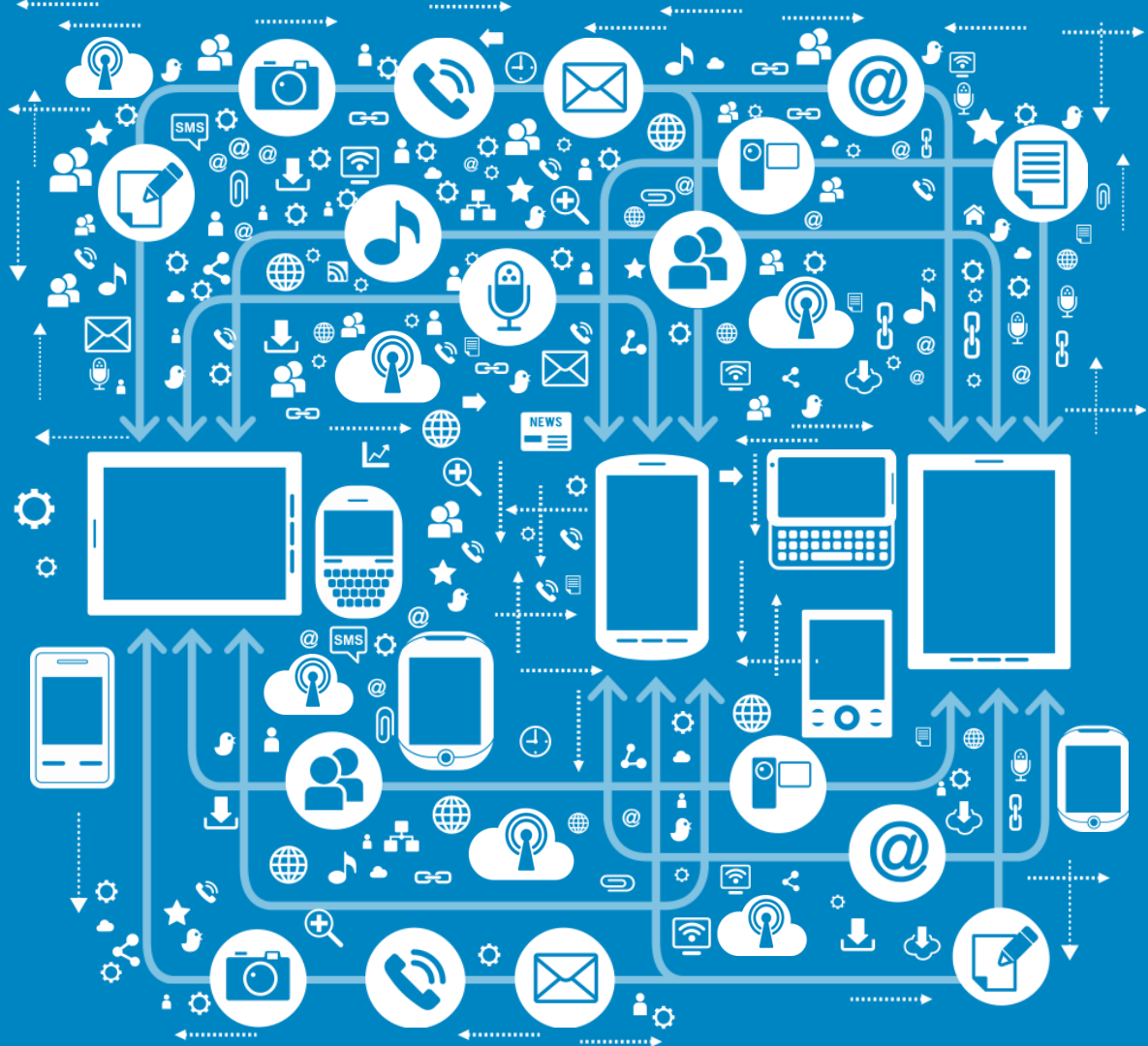
CISM, CGEIT, CISSP, CCSK, SCPM, ITIL, COBIT, Six Sigma Black Belt  
Security Strategist & Evangelist, Dell Software

International Vice President, ISACA, Board of Directors

Privacy by Design Ambassador, Government of Ontario, Canada







El mundo  
conectado ofrece  
una oportunidad  
única.  
Y TI debe ser el  
facilitador de ésta.

Entrada en nuevos mercados

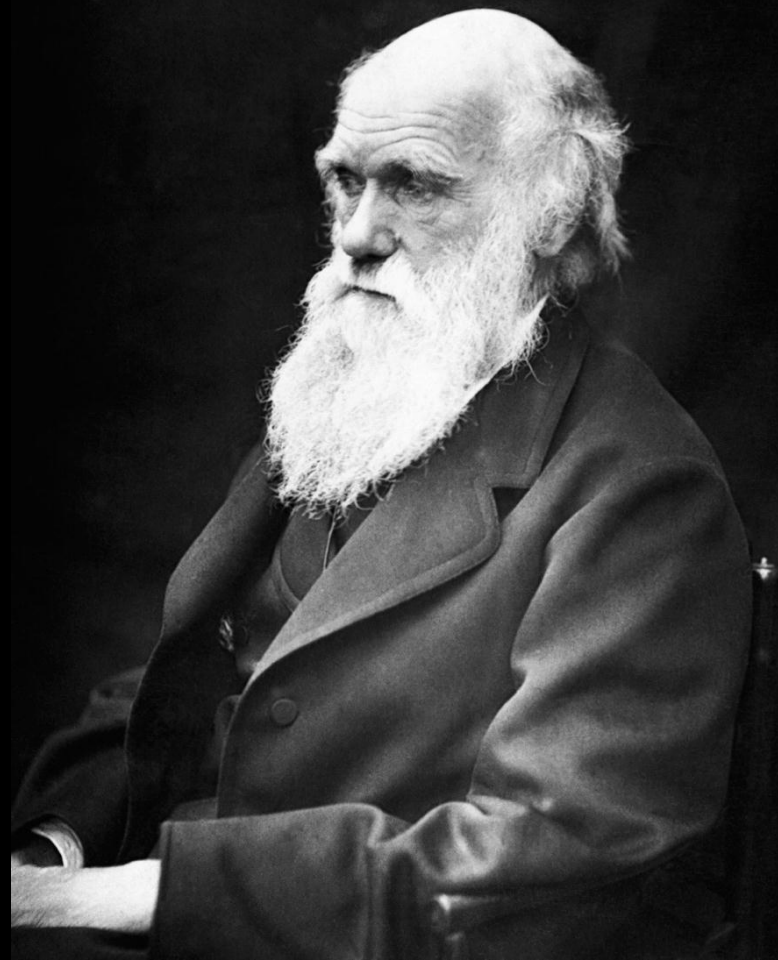
Mejora de la eficiencia

Creación de nuevos productos

Uso de nuevas tecnologías



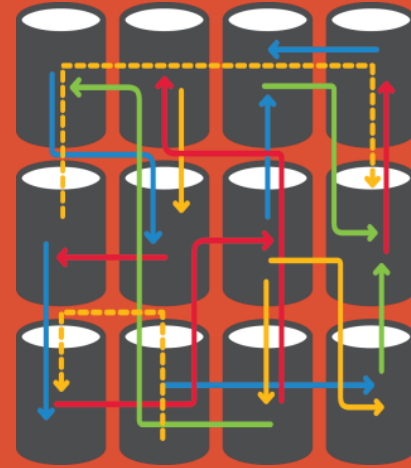




Las aproximaciones actuales a la seguridad son verticales, en silos, y crean riesgos que evitan la innovación.

Intrusiva

Reactiva



Fragmentada



# Desafortunadamente, los malos están cada vez más conectados

## **Adoptan diferentes nombres**

Spear-Phishers, BOTnets, DDoS, Ataques día cero, amenazas internas o empleados descontentos

## **Están decididos a aprovechar la “seguridad desconectada”**

Herramientas de seguridad, procesos, perfiles de usuario e información separada, en silos, que deja peligrosos huecos en la protección de la información

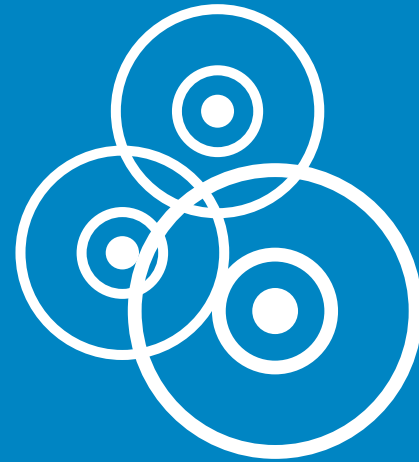




Dell propone una aproximación mejor. Una seguridad que trabaja conjuntamente a través de todas las líneas de negocio.

Holística

Proactiva



Transparente



Control  
Visibilidad  
Efectividad  
Eficiencia  
Automatización  
Gestión de coste  
Conformidad legal  
Responsabilidad  
Transparencia





'Nuestro negocio es la

MITIGACIÓN DE RIESGO CORPORATIVO...'

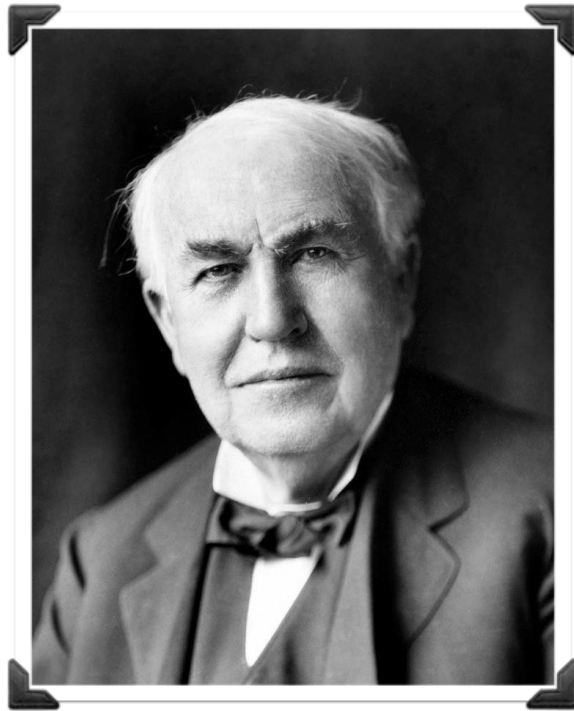
'...a través de la tecnología'





Una visión holística





Thomas Edison, 1847-1931

'Una visión sin ejecución es una alucinación'

# Connected Security para un mundo conectado

Mitigación de riesgo garantizando la continuidad y seguridad del negocio

**Conectando la seguridad con la infraestructura**



**Embed:** Seguridad embebida nativamente en la infraestructura

**Conectando la seguridad con la información**



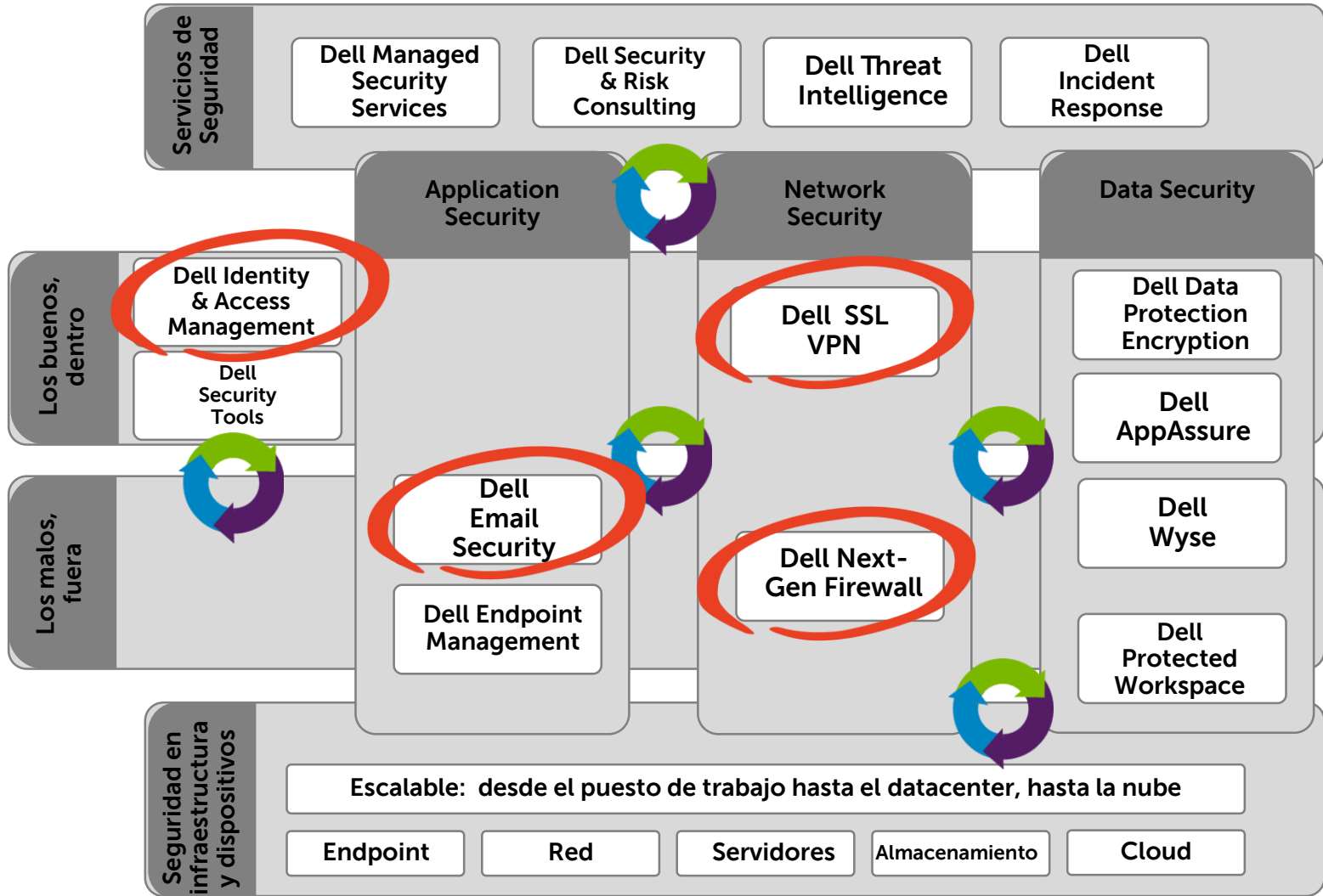
**Protect & Predict, Respond:** Soluciones de seguridad que recogen, analizan, informan y actúan juntas

**Conectando la seguridad con otras soluciones de seguridad**



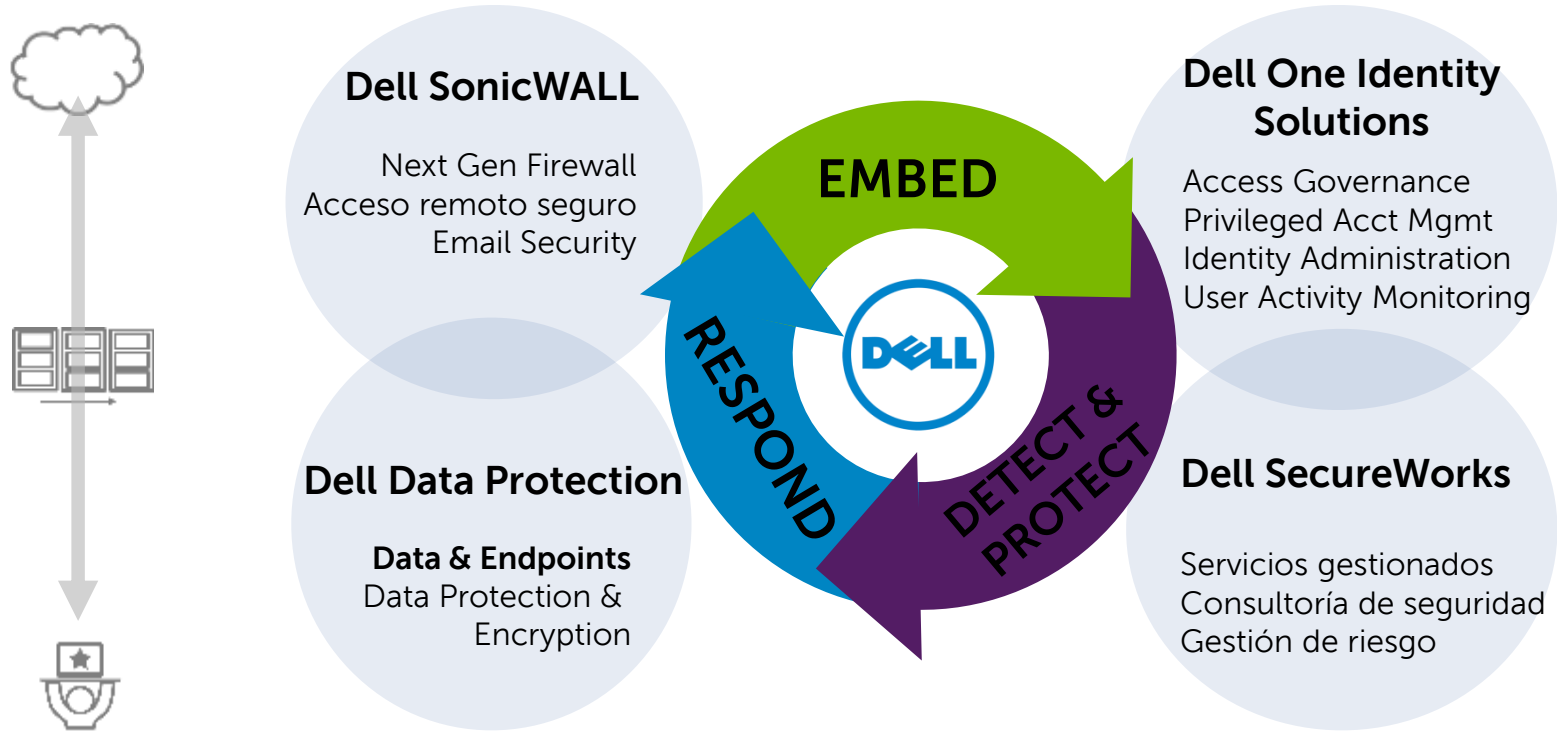
**Embed, Protect & Predict, Respond :** Seguridad que ya no está en silos... sino ampliamente conectada

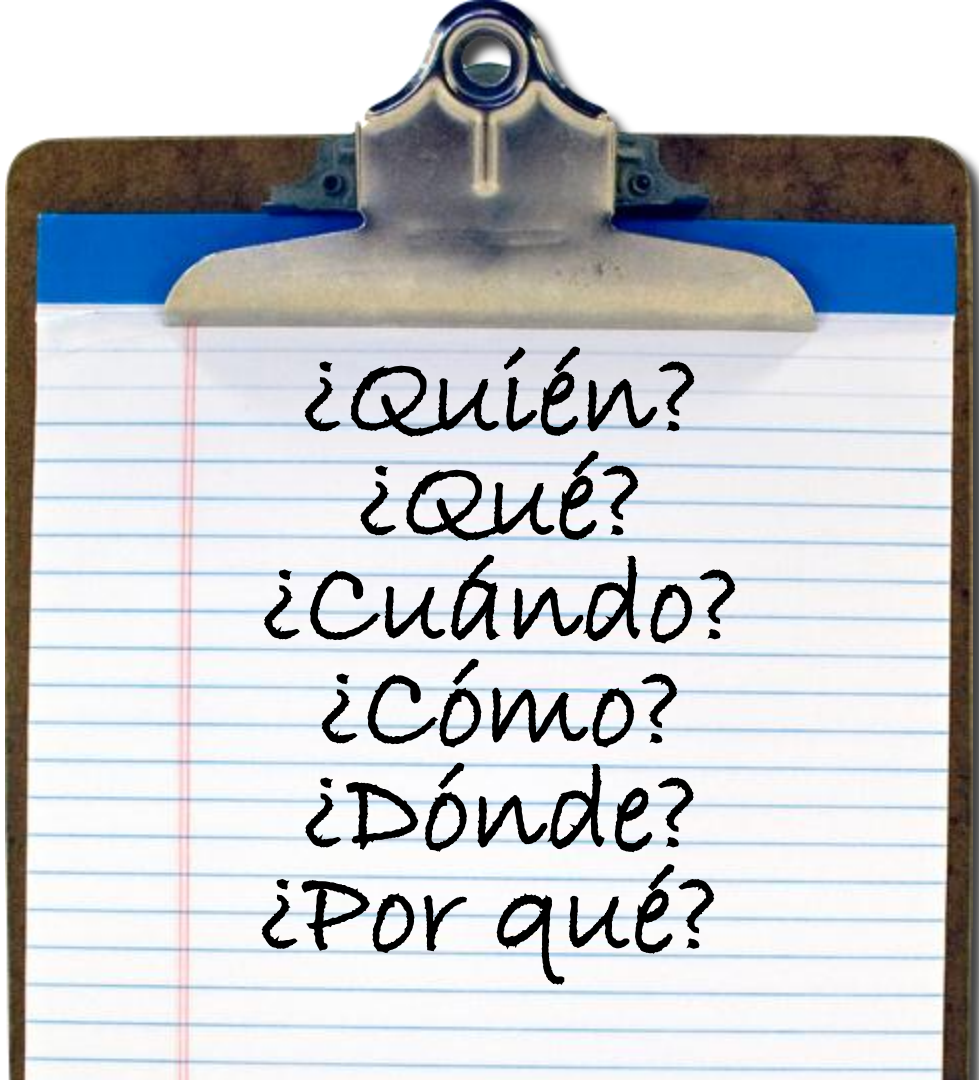






# Connected Security: Desde el dispositivo hasta el datacenter, hasta la nube





¿Quién?  
¿Qué?  
¿Cuándo?  
¿Cómo?  
¿Dónde?  
¿Por qué?



**Convirtiendo  
'Connected Security'  
en una realidad**

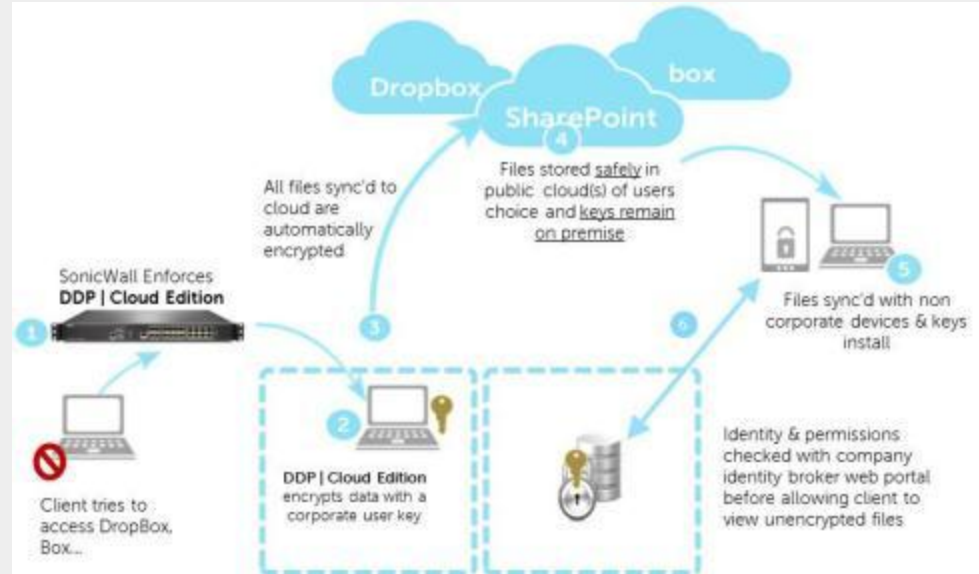
# Data Security en la nube

## Tendencia de mercado

- Uso creciente del almacenamiento en la nube pública donde los usuarios necesitan compartir datos potencialmente sensibles
- Los requerimientos de conformidad legal demandan que los datos estén cifrados antes de ser enviados y almacenados en la nube

## Retos del cliente

- Garantizar que los datos están cifrados utilizando claves antes de que los datos salgan de la red
- Garantizar que el uso o lectura de la información sensible no ocurre por parte de usuarios no autorizados
- Informar del uso no autorizado o violación de la política corporativa



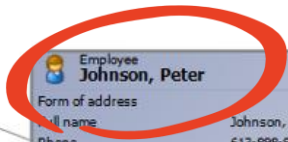
Dell Next-Generation Firewalls  
+ Dell Data Protection (Cloud Edition)  
= Network-enforced encryption

**Products requested through IT Shop (6)**

- Accounts Payable
- Accounts receivables)
- GA\_SLX\_AO)
- IT software share)
- Oracle Financial porta)
- PCI Data Access Group)

**Access to shops (1)**

Identity & Access Lifecycle



**Employee Johnson, Peter**

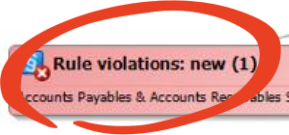
Form of address

Full name	Johnson, Peter
Phone	613-898-9087
Mobile phone	
Fax	
Building	
Floor	
Room	
Central user account	PETER.JOHNSON
Default email address	peter@corporate.com

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Primary location

Primary department	
Primary cost center	
Primary business role	
Manager	Vitta, Alvaro
Deputy manager or supervisor	
Assistant deputy	
VIP	-
Disabled permanently	-
External	-



**Rule violations: new (1)**

Accounts Payables & Accounts Receivables SOD

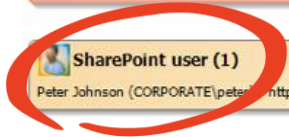
**Rule violations: exception denied (1)**

TOXIC Combination of File Access for AR & AP

Active Directory user account 'Peter Johnson'

**CORPORATE.COM/New England/Peter Johnson [USER]**

Login name (pre Win2000)	peter
Home directory	
Email address	peter@corporate.com
Manage level	



**SharePoint user (1)**

Peter Johnson (CORPORATE)\peter http://dc7:13064





Framework

### Predefined Recertification Framework

Description Compliance framework for predefined recertification policies.  
Manager/ supervisor

Rule enabled

#### TOXIC Combination of File Access for AR & AP

Description No employee should have access to both Accounts Payables files and Account Receivables files at the same time as this a compliance violation.  
Rule group SOD policies  
Severity 0  
Exception approval allowed—  
Disabled —  
Rule violations TOXIC Combination of File Access for AR & AP  
Auditor  
Date of audit  
Audit remarks



#### Rule violations: exception denied (19)

(Contractor), PC-Admin-TOXIC Combination of File Access for AR & AP  
ADMIN, DGE-TOXIC Combination of File Access for AR & AP  
Altman, Gary GA-TOXIC Combination of File Access for AR & AP  
alvin, mike-TOXIC Combination of File Access for AR & AP  
Anderson, Mary-TOXIC Combination of File Access for AR & AP  
Andres, Galarraga GA-TOXIC Combination of File Access for AR & AP  
Antonio, Robeto-TOXIC Combination of File Access for AR & AP  
Baylatry, Duc-TOXIC Combination of File Access for AR & AP  
Brown, Kevin KB-TOXIC Combination of File Access for AR & AP  
Fitzgerald, Charles CF-TOXIC Combination of File Access for AR & AP  
Galvin, Janice JG-TOXIC Combination of File Access for AR & AP  
Herd, David-TOXIC Combination of File Access for AR & AP  
Hertz, John-TOXIC Combination of File Access for AR & AP  
Jamie smith (contractor), Jamie smith (contractor)-TOXIC Combination of File Access for AR &  
Johnson, Peter-TOXIC Combination of File Access for AR & AP

- Tasks
- Employee overview
  - Employee entitlements overview
  - Change master data
  - Assign attributes
  - Assign business roles and organizations
  - Assign IT Shop memberships
  - Assign ADS user accounts
  - Assign LDAP user accounts
  - Assign user accounts
  - Assign Notes user accounts
  - Assign SAP user accounts
  - Assign system roles
  - Assign applications
  - Assign resources

- Reports
- Show entitlements origin
  - Show role origins
  - Request history
  - Attestation instances
  - Rule evaluation
  - Overview with business roles and accounts
  - Overview with business roles and accounts (incl. history)
  - Data quality of supervised employees
  - Overview of supervised employees (incl. history)

**Access to shops (1)**

Fruits & Vegetables Ltd.

**Employee**  
**Andy Smith**

Form of address Mr

Full name Andy Smith

Phone +49 30 555 54321

Mobile phone

Fax +49 30 555 78999

Building K2

Floor 17

Room

Central user account ANDYS

Central SAP user account SMITHA

Default email address ANDYS@fruits.lan

Primary location Berlin

Primary department Sales (10100200)

Primary cost center 10100200 (Sales)

Primary business role

Manager Albert Einstein

Deputy manager or supervisor

Assistant deputy

Certification pending -

Disable permanently -

External -

Additionally assigned to business role

**Operations**

Staff

**Resources (4)**

Active Directory account

Exchange 2007 mailbox

LDAP Address Book entry

SAP account for demo system

ADS User 'Smith Andy'  
**FRUITS.LAN/EMEA/D/Smith Andy [USER]**

Login name (pre Win2000) ANDYS

Home directory \\FRUIT-AD\ANDYSS

Email address ANDYS@fruits.lan

Manage level Full Managed

LDAP User 'Andy Smith'  
**Andy Smith [Andy Smith]**

Login name ANDYS

Email address ANDYS@fruits.lan

LDAP container Berlin (Fruits and Vegetables Ltd./Germany/Berlin)

Manage level Full Managed

SAP User 'SMITHA'  
**SMITHA (Andy Smith)**

Full name Andy Smith

Manage level Full Managed

**TimeTrace**


Time period

Wednesday, December 01, 2010    Thursday, December 02, 2010    Friday, December 03, 2010    Saturday, December 04, 2010    Sunday, December 05, 2010    Monday, December 06, 2010


12/3/2010 8:58:21 PM    12/3/2010 10:08:36 PM


12/6/2010 9:18:42 PM


 Framework  
**Segregation of Duties**  
 Description  
 Manager/ supervisor Rule supervisors

 Rule supervisors: Identity Audit  
**SoD**  
 Albert Einstein  
 Niels Bohr

 Exception approver: Identity Audit  
**SoD**  
 Albert Einstein  
 Niels Bohr

 Rule enabled  
**Maintain Creditors and approve payments**  
 Description  
 Rule group Segregation of Duties  
 Severity 1  
 Exception approval allowed -  
 Disabled -  
 Rule violations Maintain Creditors and approve payments  
 Auditor  
 Date of audit  
 Audit remarks

 Working copy  
**Maintain Creditors and approve payments**  
 Description  
 Rule group Segregation of Duties  
 Severity 0  
 Exception approval allowed -  
 Disabled ✓  
 Rule violations Maintain Creditors and approve payments  
 Auditor  
 Date of audit  
 Audit remarks

 Rule violation: exception denied  
**Albert Claude-Maintain Creditors and approve payments**  
 Employees Albert Claude  
 Approval date 3/8/2010 1:32:14 PM  
 Approver  
 Reason No exception allowed

 Rule violation: exception denied  
**Alexis Carrel-Maintain Creditors and approve payments**  
 Employees Alexis Carrel  
 Approval date 3/8/2010 10:46:47 AM  
 Approver  
 Reason No exception allowed



# Kevin Ernst

Last updated today, at 6:43 am



24 People I help

**1,254**  
Devices

**82**  
Accounts

**35**  
Sessions

**42**  
Files

Past 24 hrs ▾

## Risk Assessment



## Team Requests



## Frequent Requests

- FoooManChoo  
SLC-MPetersenDev
- Resting Your Password.docx  
Microsoft Word Document
- FoooManChoo  
SLC-SSharpDevMac
- FoooManChoo  
SLC-KernstDevPC
- HelpDesk\_Tier1  
AV-ProdDir
- Uber\_DeveloperAdmin  
SLC-MPetersenDev

[View history...](#)

## Activities

- [Request a password](#)
- [Request a session](#)
- [Request a file](#)
- [View available approvers](#)
- [View reports](#)
- [View getting started videos](#)

Search Entire Library

By Device Name + Add Filter

Device Name	Risk Score
<b>Apollo</b> Policy Group: Fedora22 Domain: Prod	4
<b>AT-AT</b> Policy Group: Fedora22 Domain: Prod	2
<b>B-Wing</b> Policy Group: Fedora22 Domain: Prod	4
<b>Centaur</b> Policy Group: Fedora22 Domain: Prod	4
<b>Danube</b> Policy Group: Fedora22 Domain: Prod	4
<b>Enterprise-E</b> Policy Group: Fedora22 Domain: Prod	8
<b>Enterprise-J</b> Policy Group: Fedora22 Domain: Prod	3
<b>Federation</b> Policy Group: Fedora22 Domain: Prod	6
<b>Imperial</b> Policy Group: Fedora22 Domain: Prod	4
<b>Prometheus</b> Policy Group: Fedora22 Domain: Prod	1

## Enterprise-E

IP Address: 10.16.243.2  
Policy Group: Fedora22

 Windows 8 Enterprise

**General** | Linked Accounts | Sessions | Commands | History

Risk Component	Description	Risk Score	Overall Risk Score
<b>Accounts</b>	Lorem Ipsum. Proin gravida nibh	2	<b>8</b> Determined by highest risk score
<b>Delegations</b>	Lorem Ipsum. Proin gravida nibh	8	
<b>Passwords</b>	Lorem Ipsum. Proin gravida nibh siegte norb le tinto.	3	
<b>Sessions</b>	Lorem Ipsum. Proin gravida nibh	1	
<b>Roles and Permissions</b>	Lorem Ipsum. Proin gravida nibh	1	
Windows 8 Enterprise			

### System

Manufacturer	Dell, Inc.
Model	Latitude E6540
Total amount of system memory	1.00 GB RAM
System type	64-bit operating system
Number of processor cores	2

### Storage

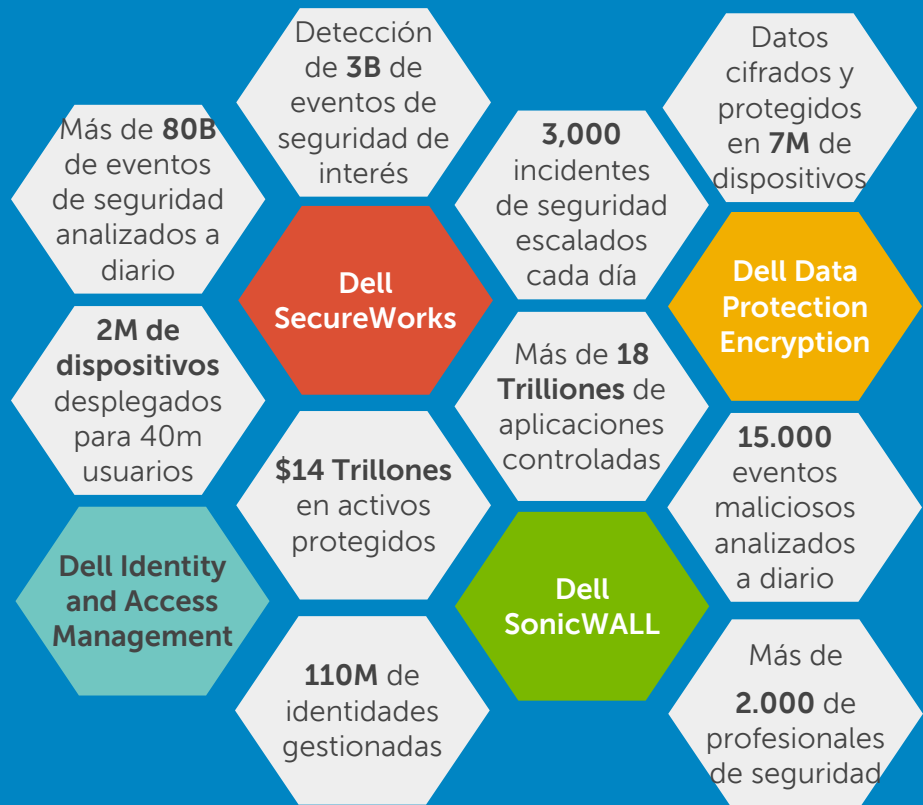
Total size of hard disk(s)	64 GB
Disk partition (C:)	52 GB Free (64 GB Total)
Media drive (D:)	CD/DVD

### Graphics

Display adapter type	Microsoft Corporation - WDDM
Total available graphics memory	1151 MB



# Reconocimiento del liderazgo en Seguridad



## Validado por la industria

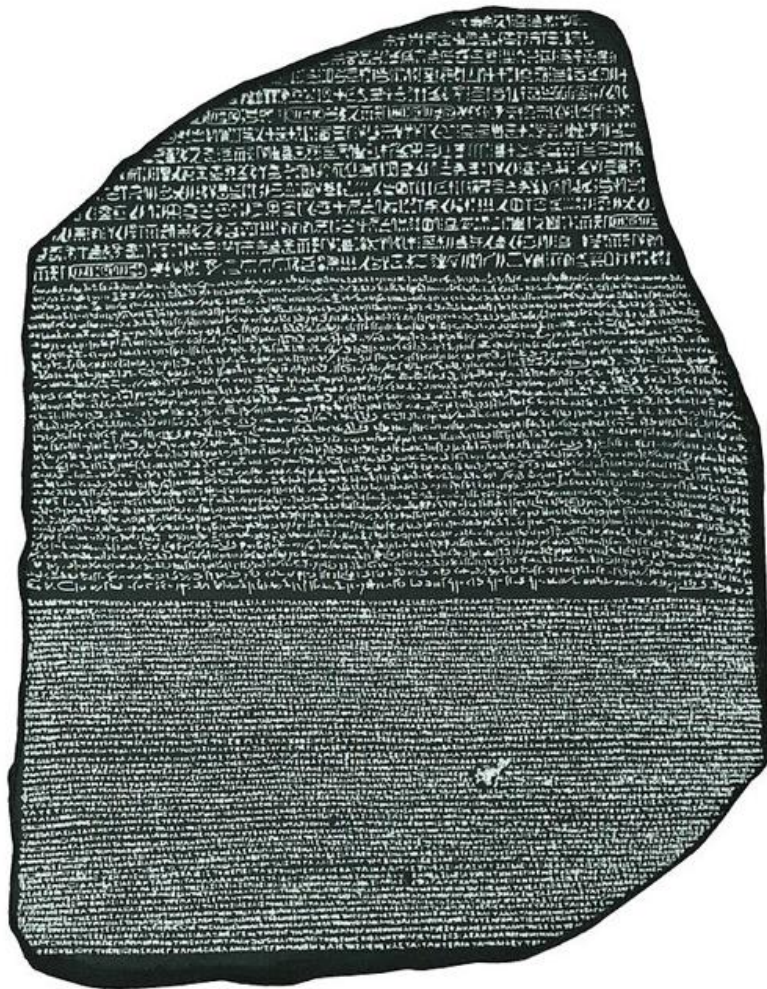
- **Compañía de seguridad nº 1** según *Security 500*
- **'Recommended'** por NSS Labs en Firewall & IPS – durante 3 años seguidos
- **Overall Leader** en Access Governance, Kuppinger Cole
- **Mejor Servicio de Seguridad, Seguridad en Cloud, Conformidad Legal, Info Security Products Guide**
- **'Recommended'** por *SC Magazine*
- **Major Player, Email Security, IDC**
- **6 Gartner Magic Quadrants**







MUSEUM'S HOTEL  
INDIA STREET BLA...





DOLL





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# GRACIAS



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International Vice President, ISACA, Board of Directors  
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