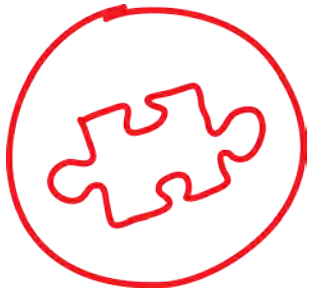
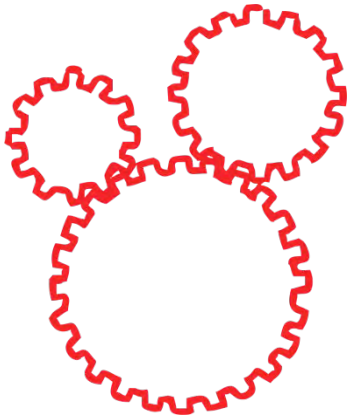


LOGICALIS

Business and technology working as one

LOGICALIS
Business and technology working as one

BYOD, como protegernos



Agosto 2013

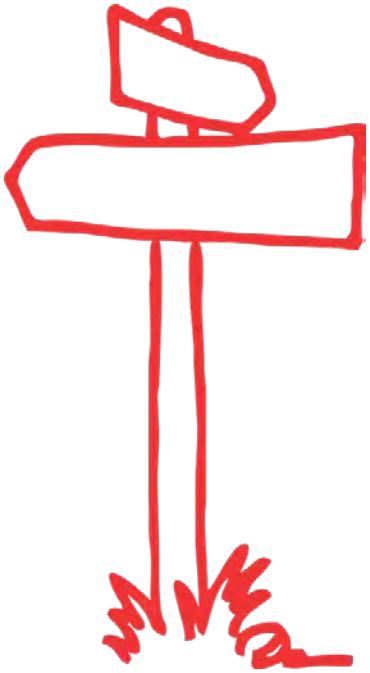
Rodrigo Coloritto

Agenda

- Introducción
- Problemática / Desafío
- Gestión
- Arquitectura
- Preguntas

LOGICALIS
Business and technology working as one

Introducción



17,7%

de los empleados que llevan sus dispositivos al trabajo declaró que **TI no lo sabe**

28,4%

de los departamentos de TI **ignora** que los empleados llevan sus dispositivos al trabajo

42%

de los smartphones en el trabajo son **del empleado**

47%

empleados son **oficialmente móviles**

60%

usan para el trabajo dispositivos móviles

36%

de las empresas otorgan **privilegios de movilidad** a pedido del empleado

Por qué incorporar dispositivos a la red?

Drivers top para incorporar políticas de BYOD

- Atraer y retener talentos a través de nuevas formas de trabajo y aplicaciones personales aplicadas al trabajo diario (flexibilidad laboral)
- Aumentar la productividad como objetivo estratégico e incorporando movilidad al espacio de trabajo
- Reducir a futuro el TCO en PC y otros dispositivos sumado a bajos costos en management y fácil on boarding de nuevos empleados

Fuente: Citrix

Desafíos y expectativas

CIO

- Productividad de los empleados
- Ventajas competitivas a través de nuevas tecnologías
- TCO

IT / Desktop Manager

- Control Managment y Seguridad
- Velocidad y versatilidad en nuevos deployments

Usuario

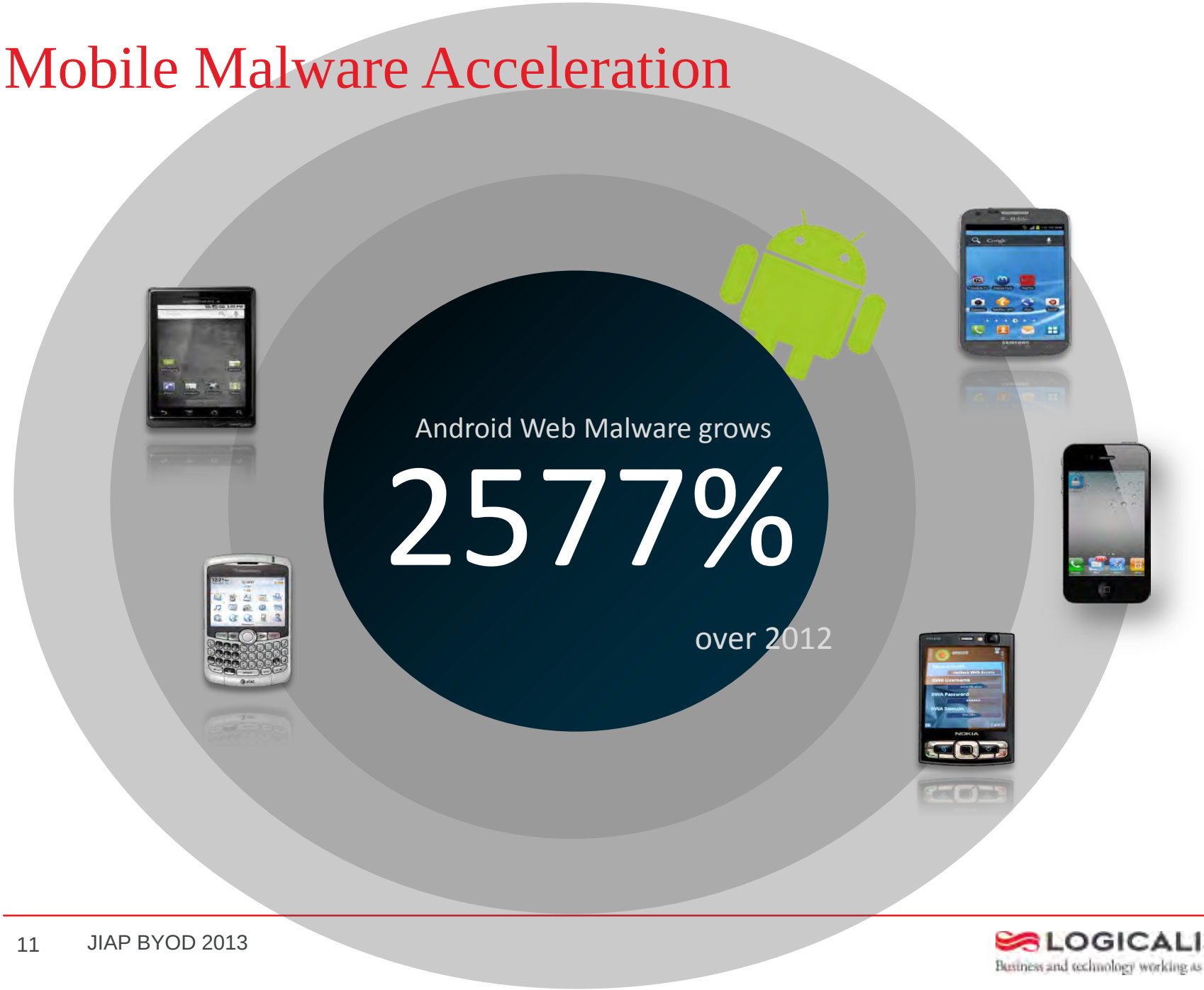
- Experiencia en su plataforma nativa
- UE en cualquier lugar, momento y dispositivo
- Espera misma calidad dentro y fuera de la red

LOGICALIS
Business and technology working as one

Problemática/Desafío

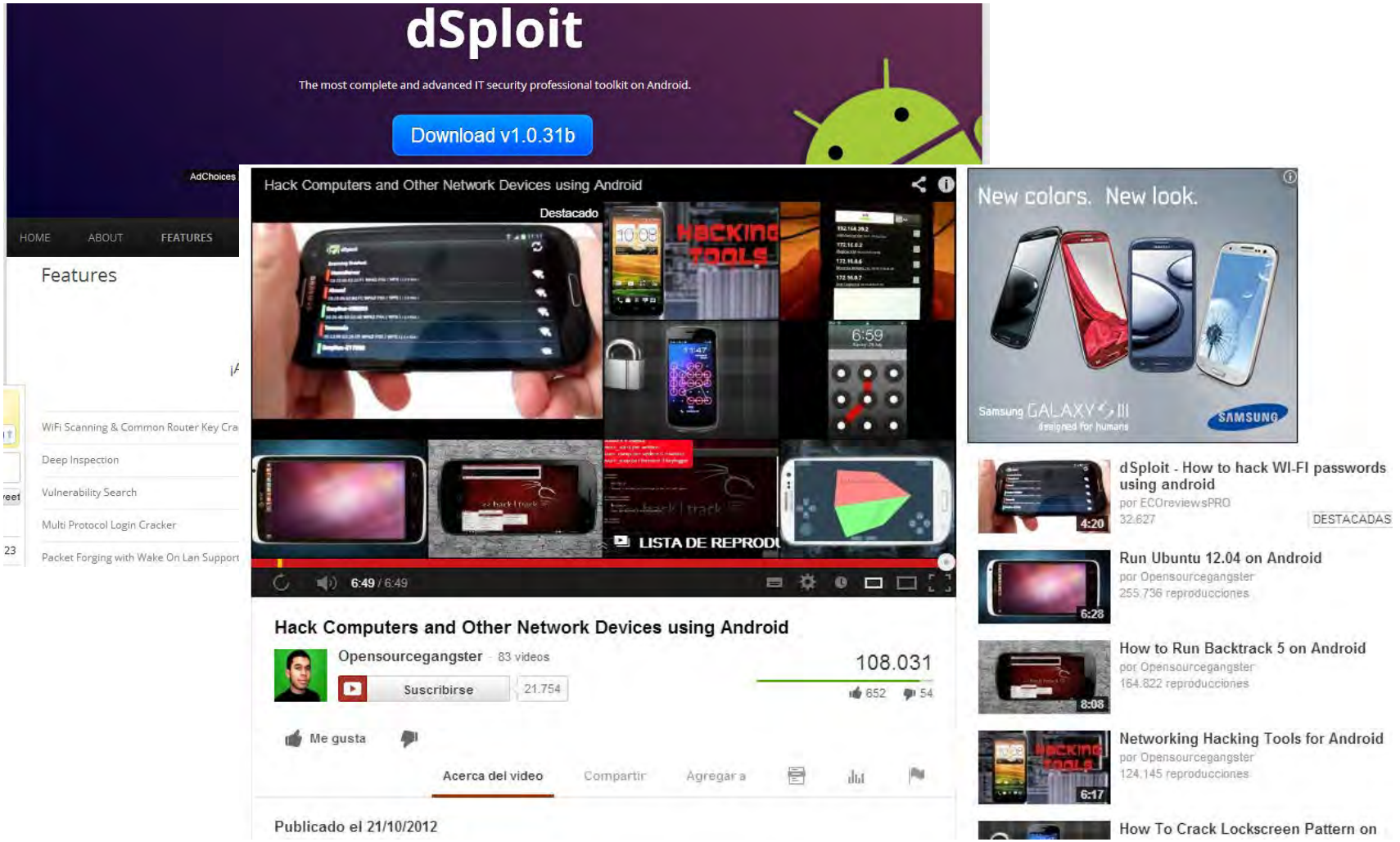
LOGICALIS
Business and technology working as one

Mobile Malware Acceleration



LOGICALIS
Business and technology working as one

Apps para dispositvos moviles

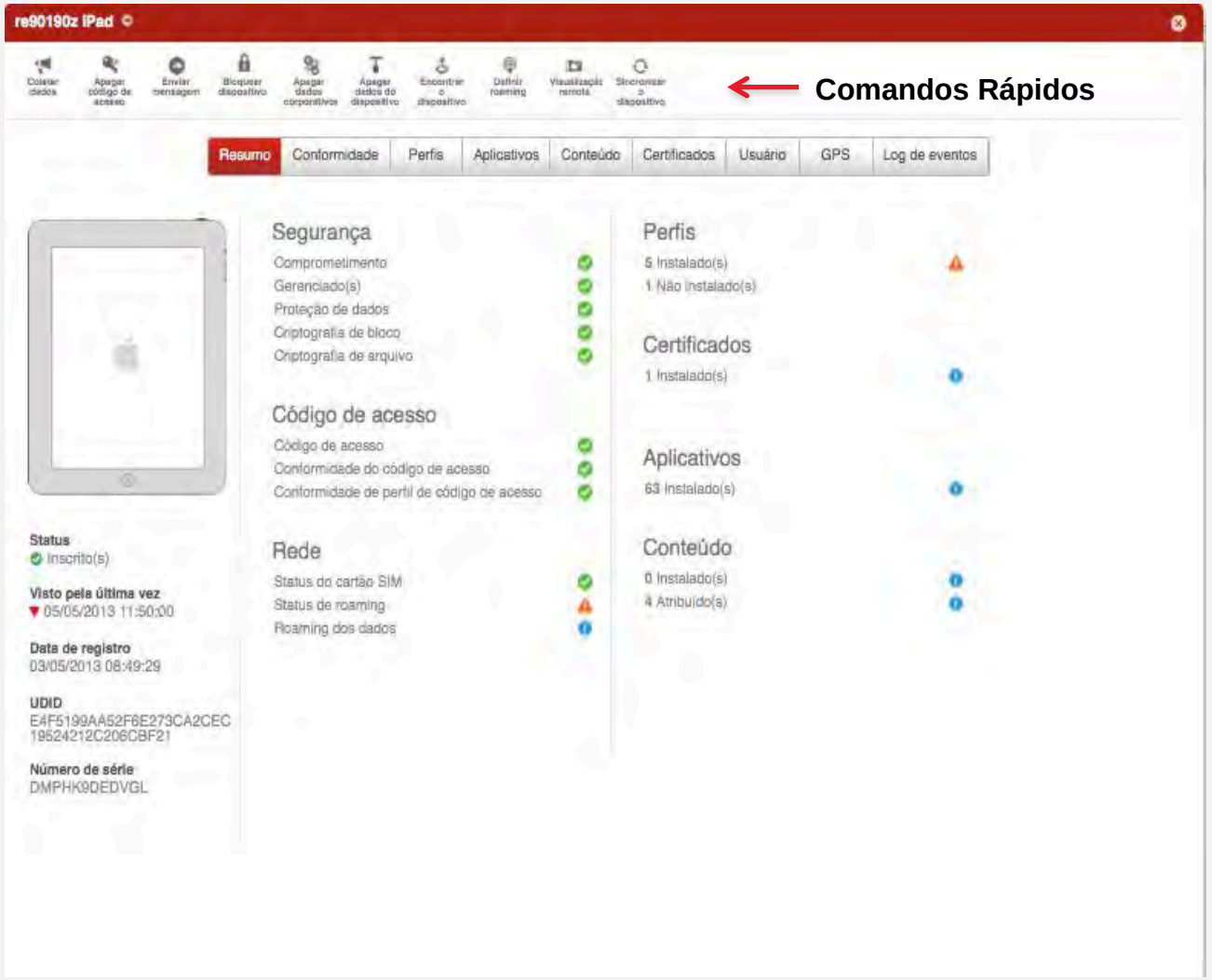


La primer reacción

Administración de Dispositivos Móviles

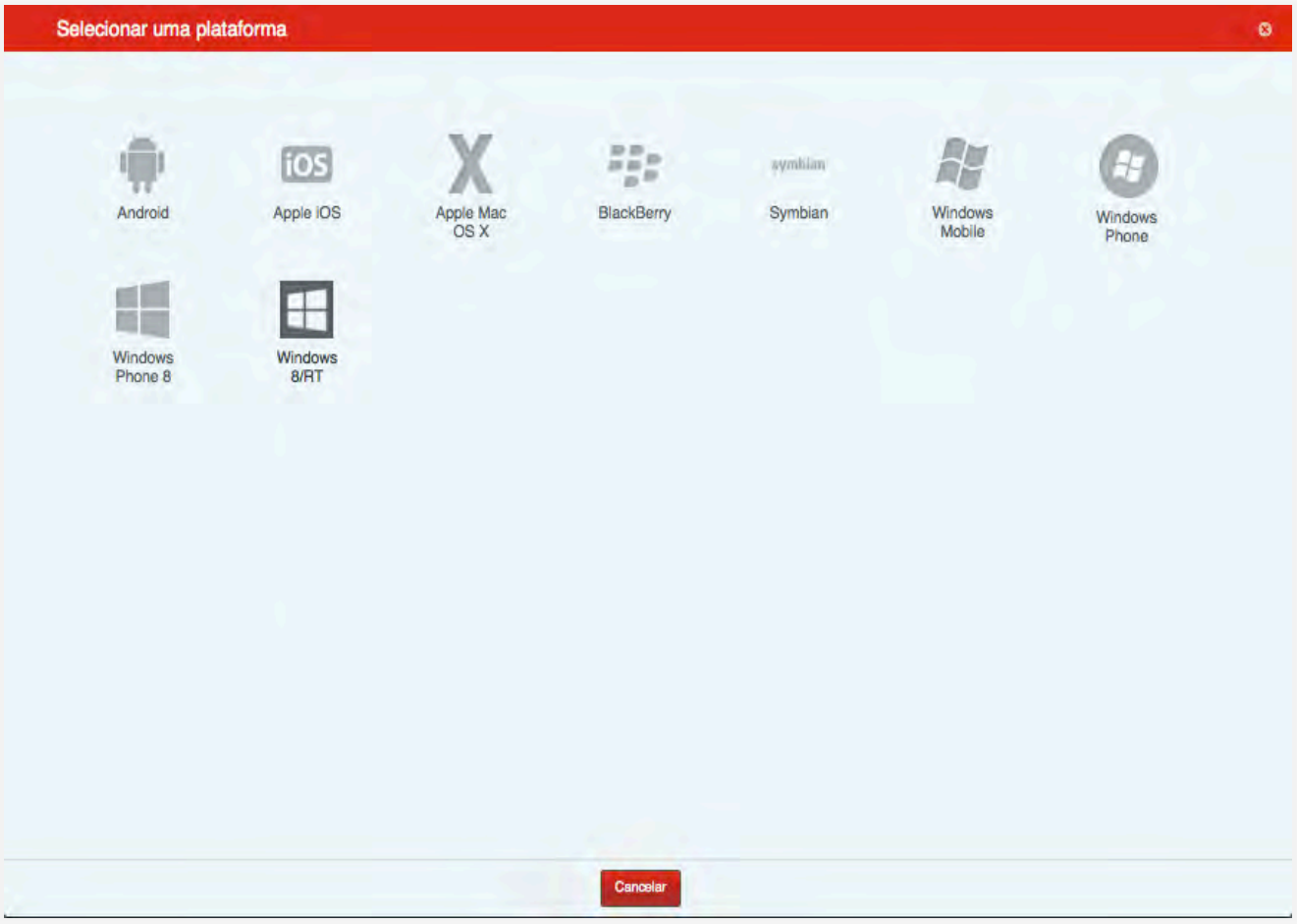
- Gestión de Dispositivo movil
- Monitoreo y reportes
- Control de Inventário
- Configuración
- Seguridad

Información sobre los dispositivos

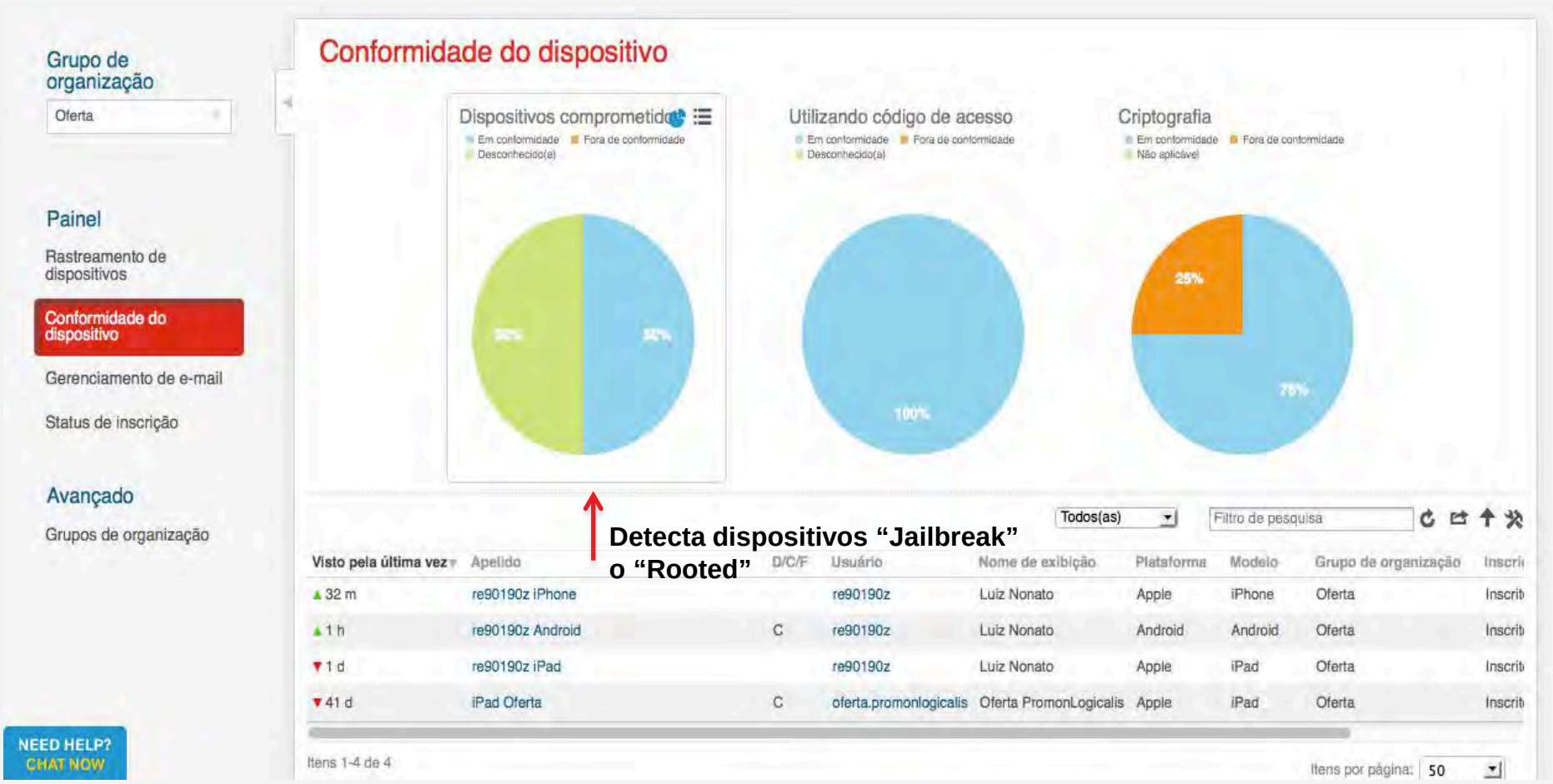


LOGICALIS
Business and technology working as one

Plataformas soportadas



Dashboard



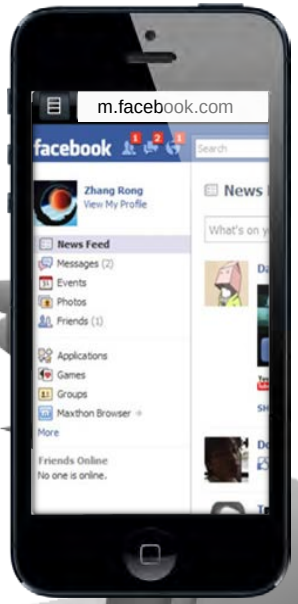
LOGICALIS
Business and technology working as one

Simplificar el Onboarding

La brecha movil…

Móviles nativas

Navegador Web móvil



Navegador Web de Escritorio

Brecha de App Móvil

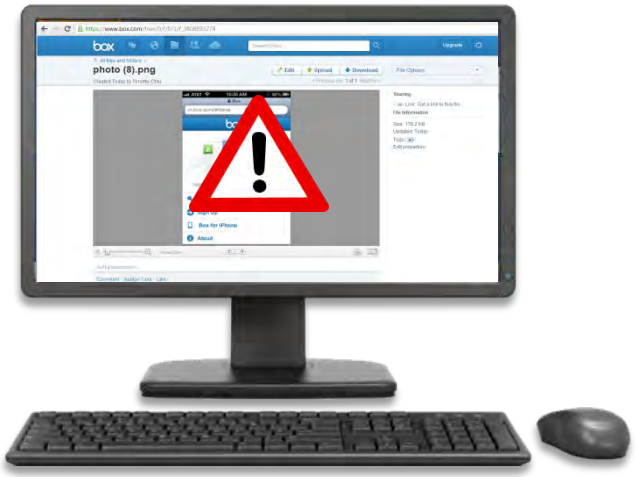
Amenazas Comu licaciones

Necesidad de Control Granular

Nativa

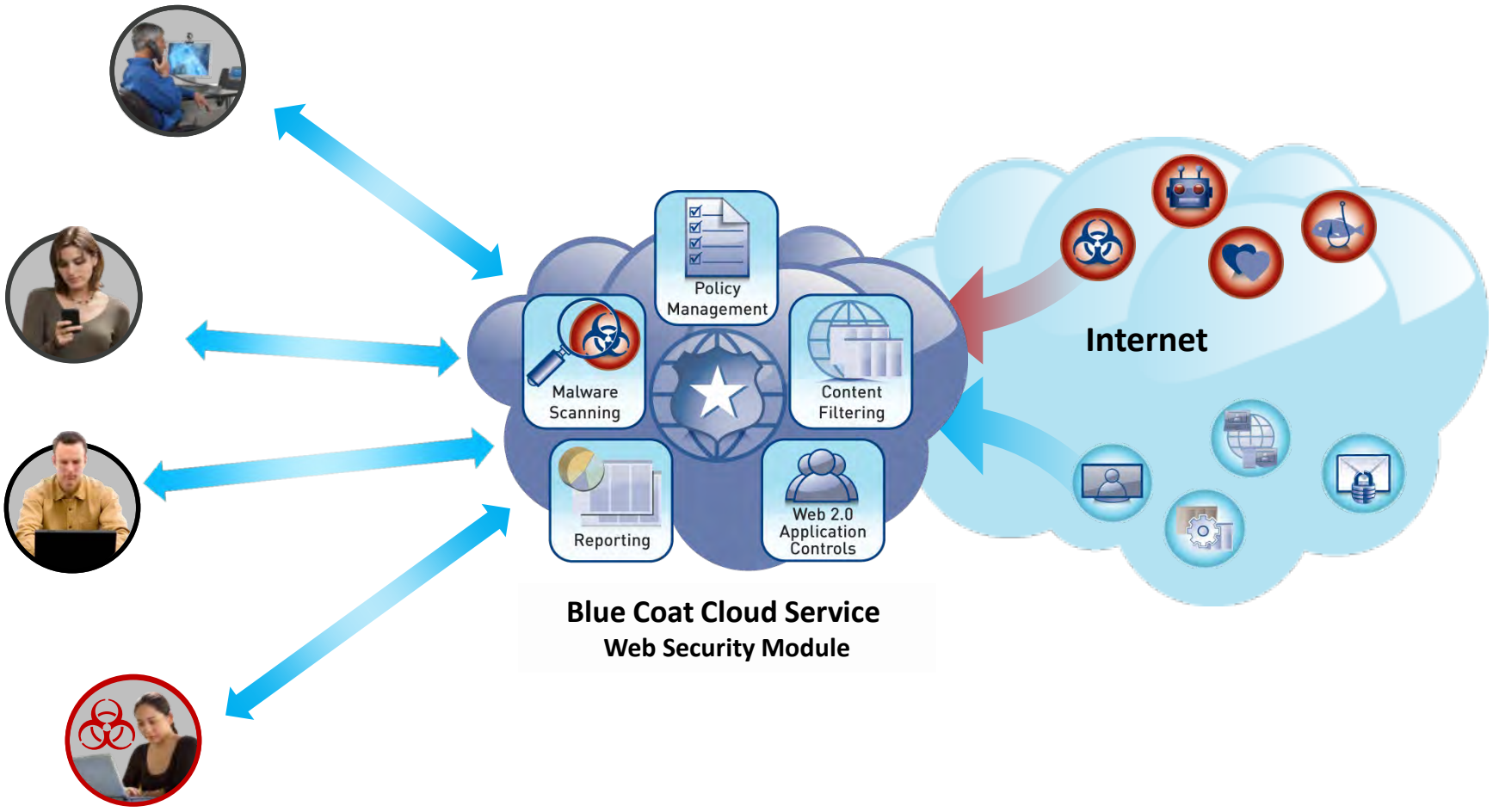
Navegador Web Móvil

Navegador Web de Escritorio



- Políticas de seguridad en todo tipo de aplicaciones
- Control granular que distinga entre diferentes tipos de aplicaciones

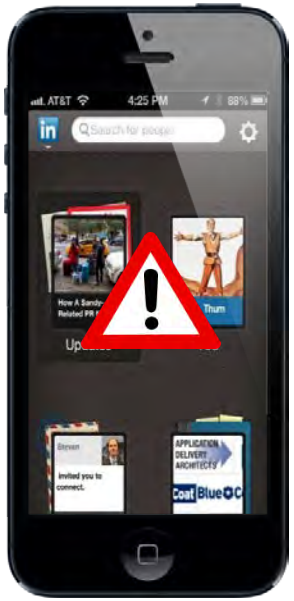
Solución end to end (web security)



LOGICALIS
Business and technology working as one

El complemento de un MDM

App Nativa



- MDM controla qué apps pueden instalarse
- Control binario (on/off switch) de apps permitidas

Mobile Web Browser

- Navegador web abre la puerta a apps descontroladas
- Sobrepasa controles binarios del MDM

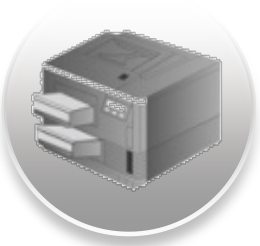
LOGICALIS
Business and technology working as one

Arquitectura/Solución

Controlar el acceso – CISCO ISE

autenticación

autorización



profiling

invitados

Flexibilidad y control

Authorization Policy At A Glance

First Matched Rule Applies

Standard

Status	Rule Name	Identity Groups	Other Conditions	Permissions
Enabled	Profiled Cisco IP Phones	Cisco-IP-Phone		Cisco_IP_Phones
Enabled	Game_Console	Game_Console-Registered		Game_Console
Enabled	Domain_Computer	Any	demo.local:ExternalGroups EQUALS demo.local/Users/Domain Computers AND San_Jose AND CERTIFICATE:Subject Alternative Nam MATCHES .*(demo.local)$ AND Radius:User-Name MATCHES ^(host/).*	AD_Login
Enabled	Employee-Wired	Any	Employee_Wired AND Posture_Compliant	Employee
Enabled	Employee-Wireless	Workstation	Employee_Wireless AND Posture_Compliant AND LDAP1:badPwdCour MATCHES [0-5]	Employee_Wireless
Enabled	Employee-iPAD	Apple-iPad	Employee_Wireless AND Posture_Compliant AND North_America	Employee_iPAD
Enabled	Contractor-iPAD	Android OR Apple-iPad OR Apple-iPhone OR Apple-iPod OR BlackBerry	Contrator_Wireless AND Posture_Compliant AND North_America	Contractor_iPAD
Enabled	Guest-Wired	Guest	Business_Hours AND DEVICE:Device Type EQUALS All Device Types#Wired AND Posture_Compliant	Guest
Enabled	Guest-Wireless	Guest	Business_Hours AND DEVICE:Device Type EQUALS All Device Types#Wireless AND Posture_Compliant	Guest_Wireless
Disabled	Default-Posture	Any		CWA_Posture_Remediation
Enabled	Default	Any		Central_Web_Auth

LOGICALIS
Business and technology working as one

ISE Perfilado

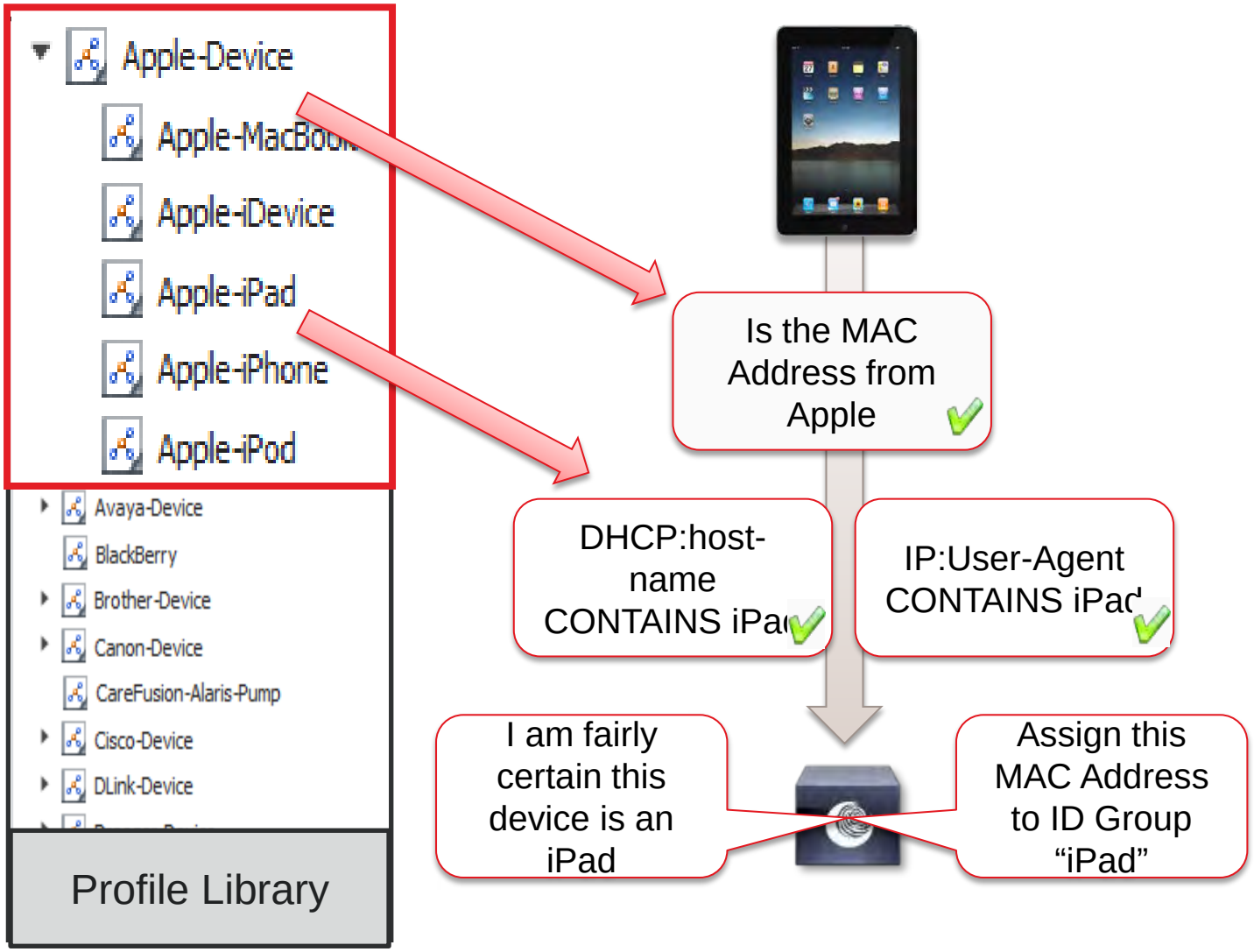
- Que es “ISE Profiling”:
  - Clasificación dinámica de todos los dispositivos conectados a la infraestrucutura de networking.
  - Provee información de “qué” está conectado independientemente de la identidad del usuario y la politica de uso asosicada.

PCs	Non-PCs			
	UPS	Phone	Printer	AP

LOGICALIS
Business and technology working as one

Politicas de Perfilado

Combinar caracteristicas del dispositvo para generar politicas de uso.

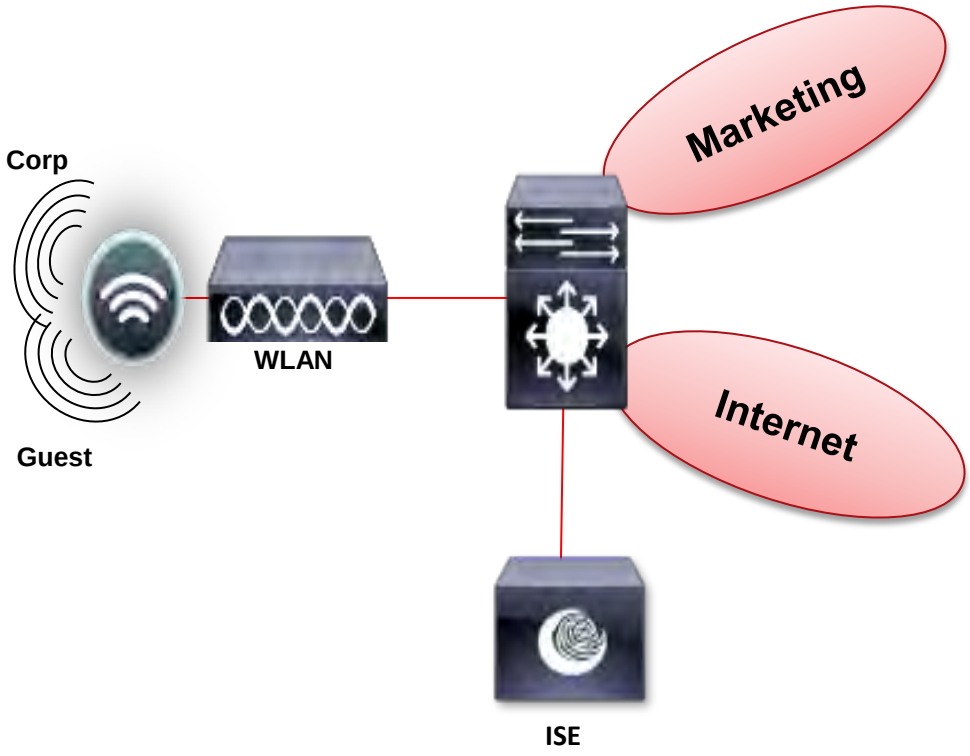


LOGICALIS
Business and technology working as one

Perfilado de dispositivos de usuarios

Differentiated Access Based on Device Type

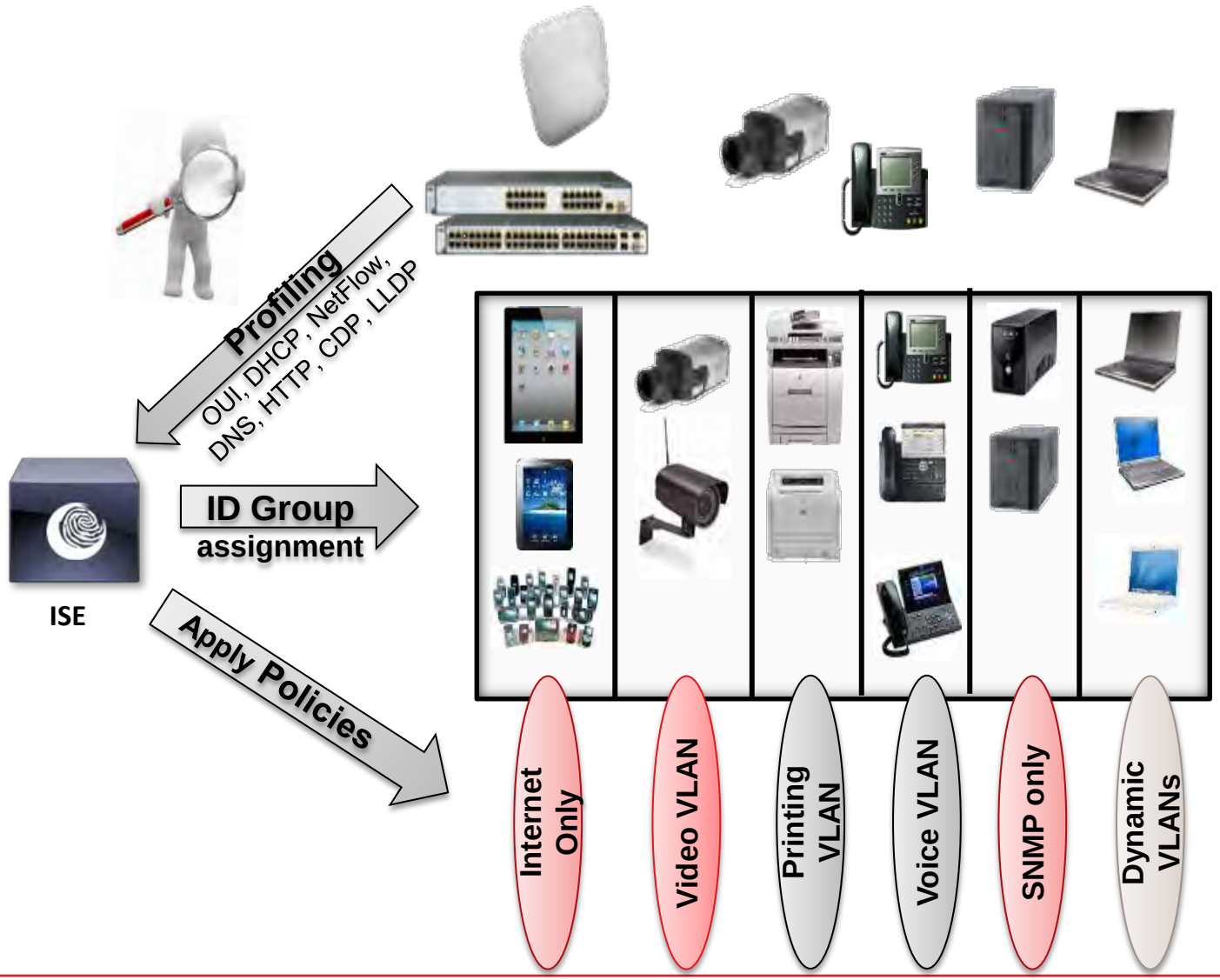
Kathy + Corp Laptop = Full Access to Marketing VLAN



Kathy + Personal Tablet / Smartphone = Limited Access (Internet Only)

LOGICALIS
Business and technology working as one

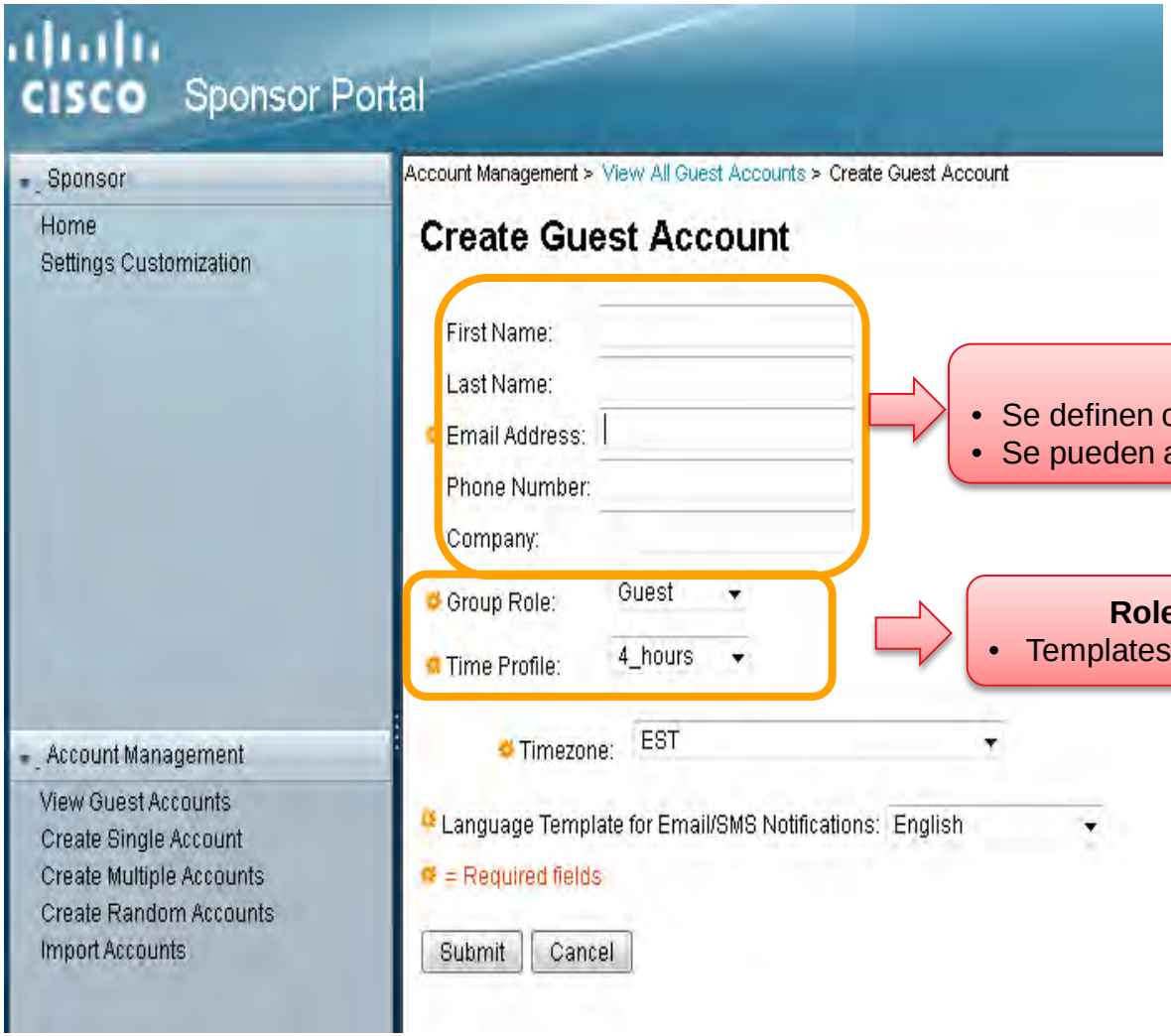
Perfilado - Resumen



LOGICALIS
Business and technology working as one

Acceso Invitado

ISE – Sponsor Portal



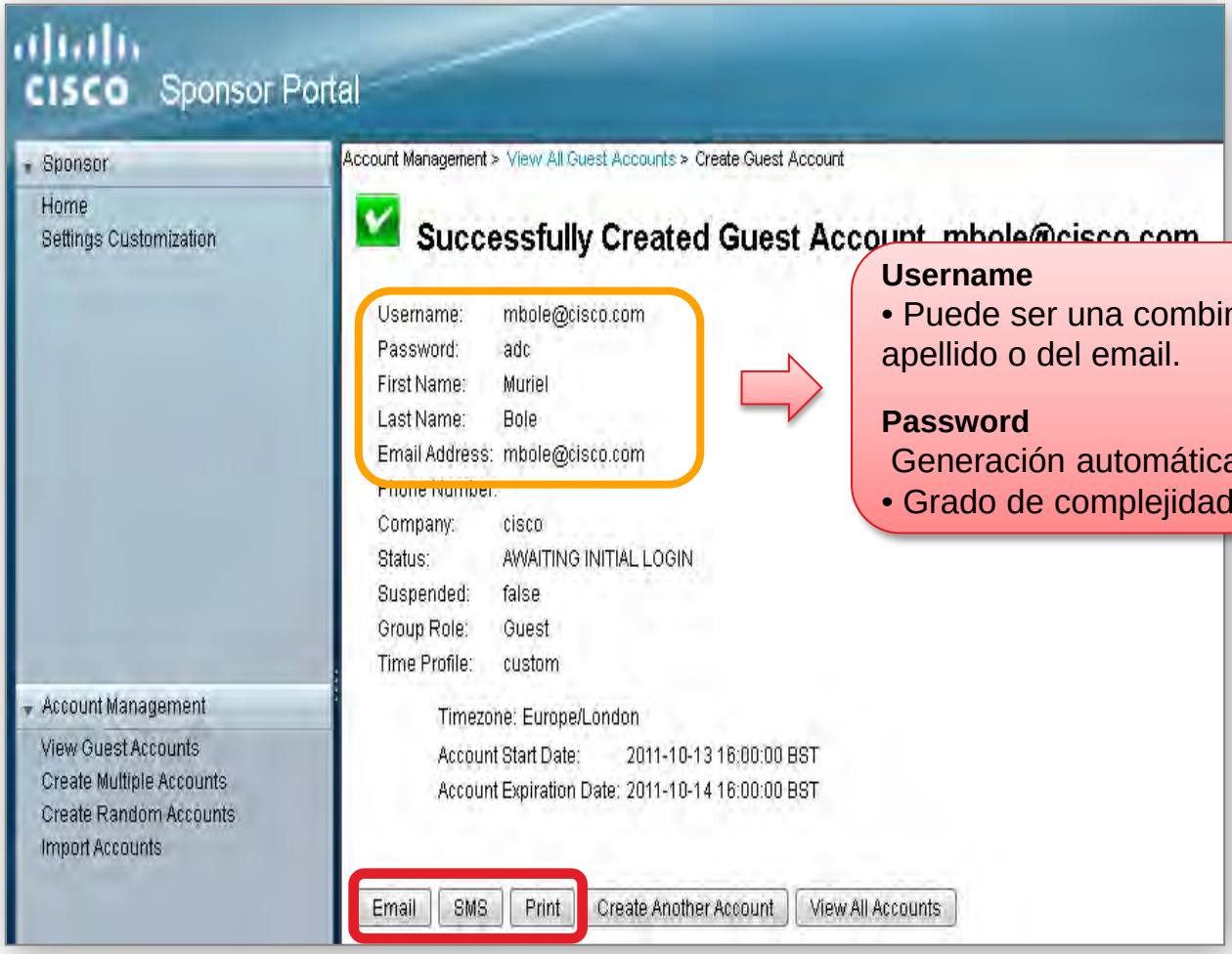
Layout flexible

- Se definen campos obligatrios u opcionales
- Se pueden agregar hasta 5 atributos parametrizables

Roles de invitado y horarios

- Templates pre-definidos por el administrador

Sponsor Portal: Informando al invitado



Username

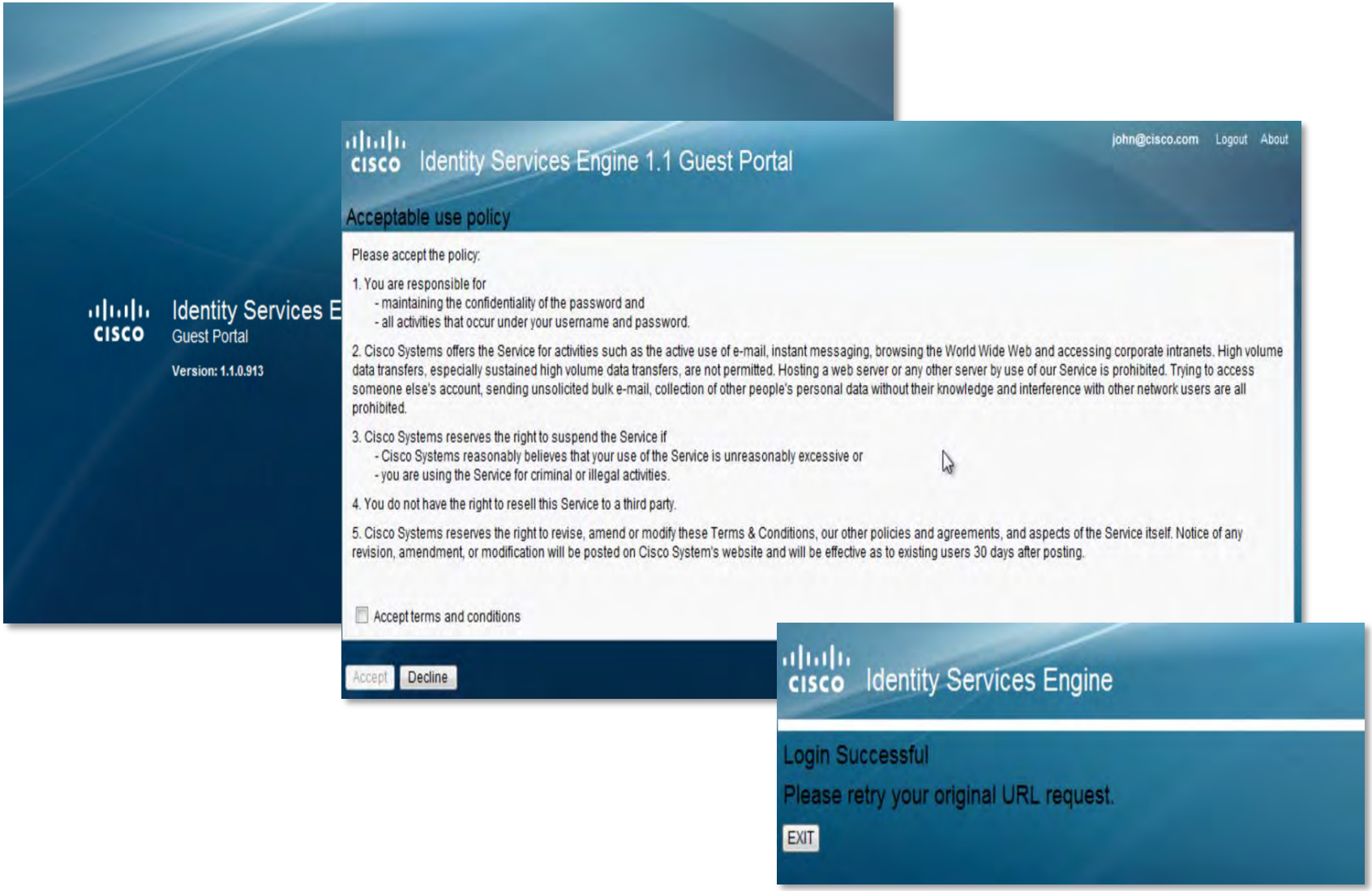
- Puede ser una combinación del nombre y apellido o del email.

Password

Generación automática (o no)

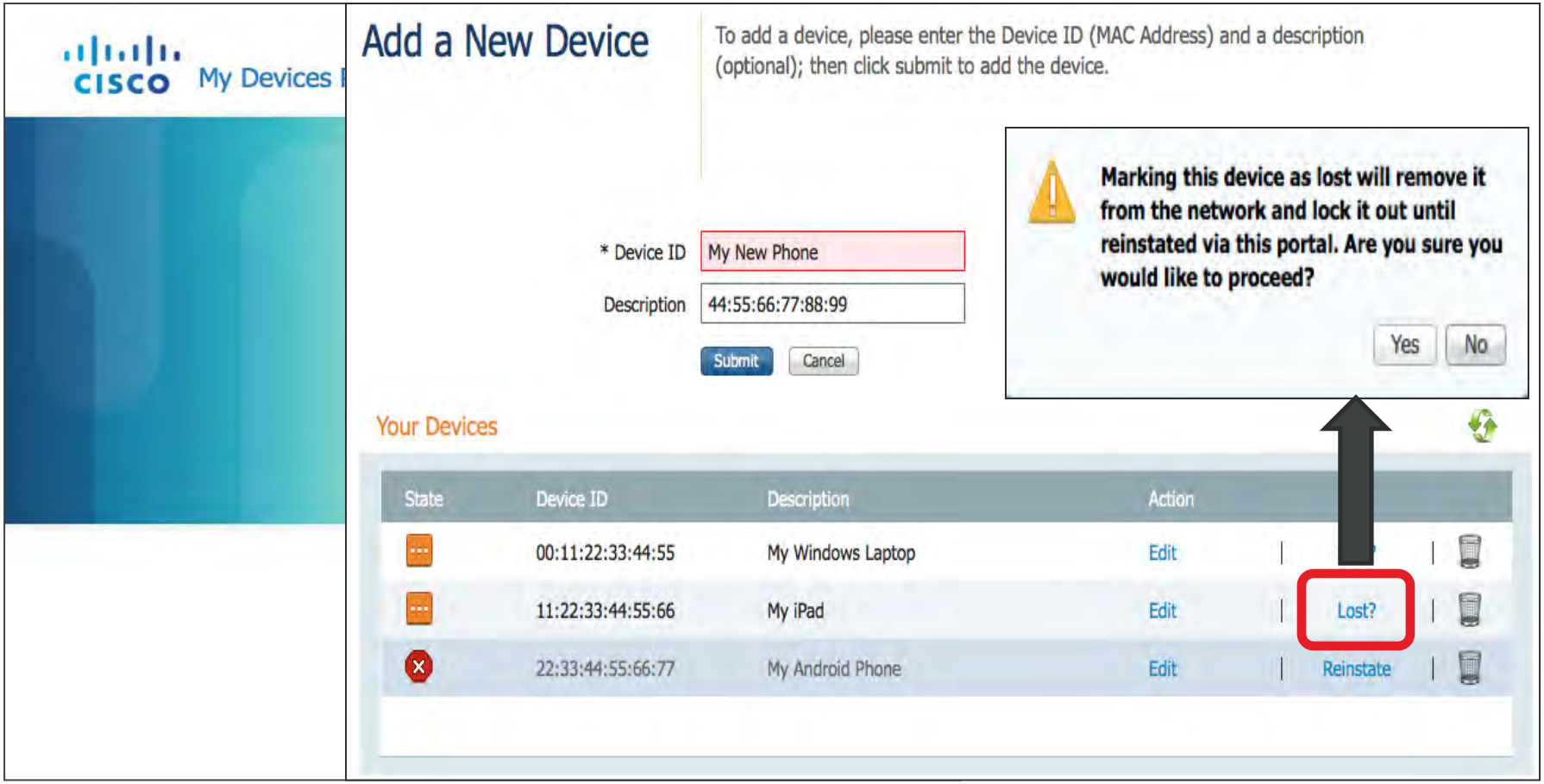
- Grado de complejidad configurable

Experiencia usuario invitado

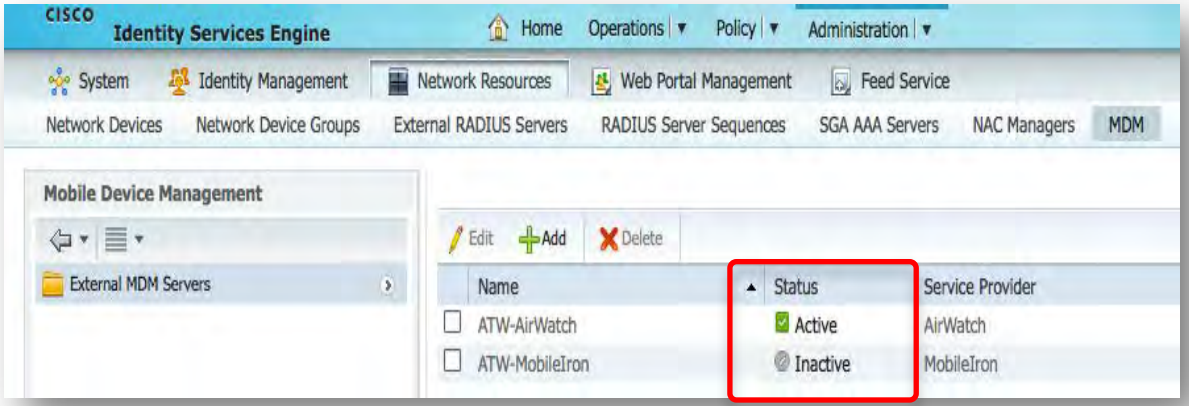


LOGICALIS
Business and technology working as one

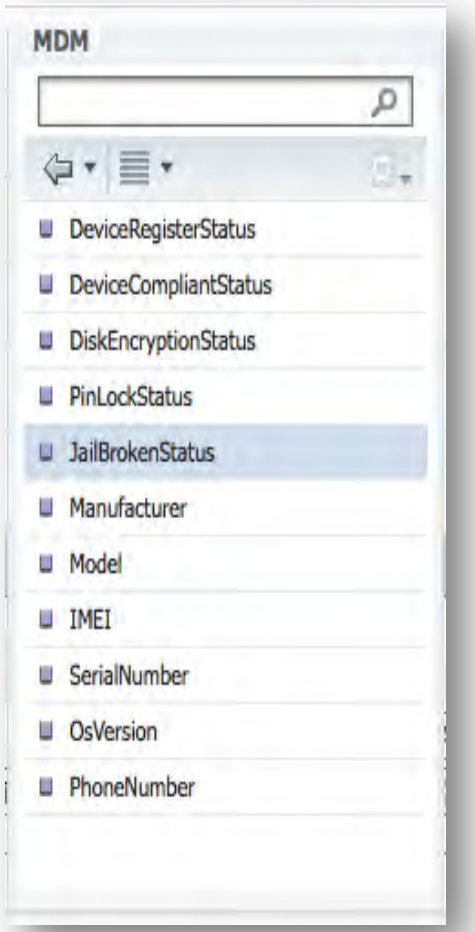
ISE - My Devices Portal



Integración con sistemas de MDM



Attributes from MDM



MobileIron®

Version: 5.0

airwatch™

Version 6.2

ZENPRISE

Version: 7.1

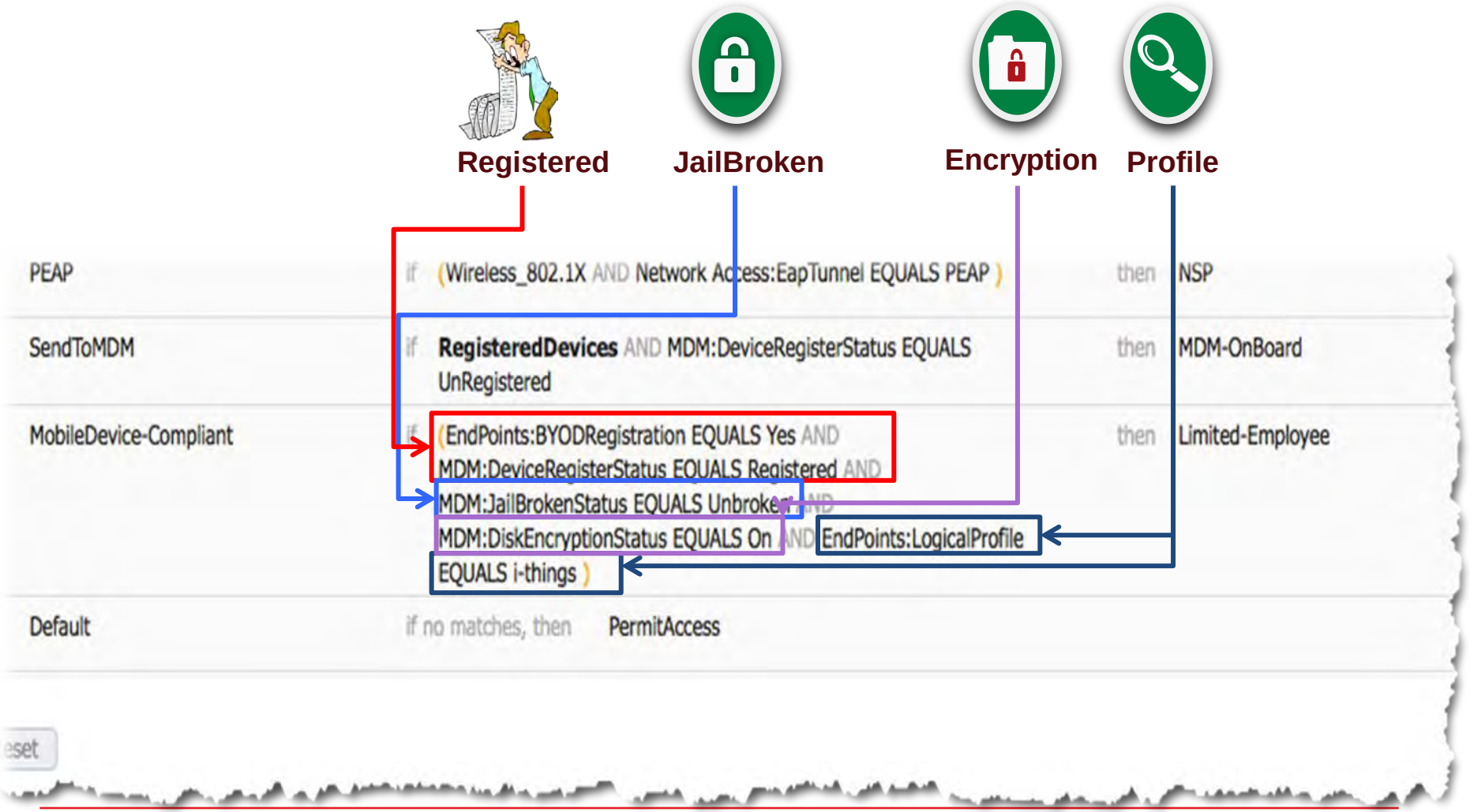
Good

Version: 2.3

LOGICALIS
Business and technology working as one

Integración con sistemas de MDM

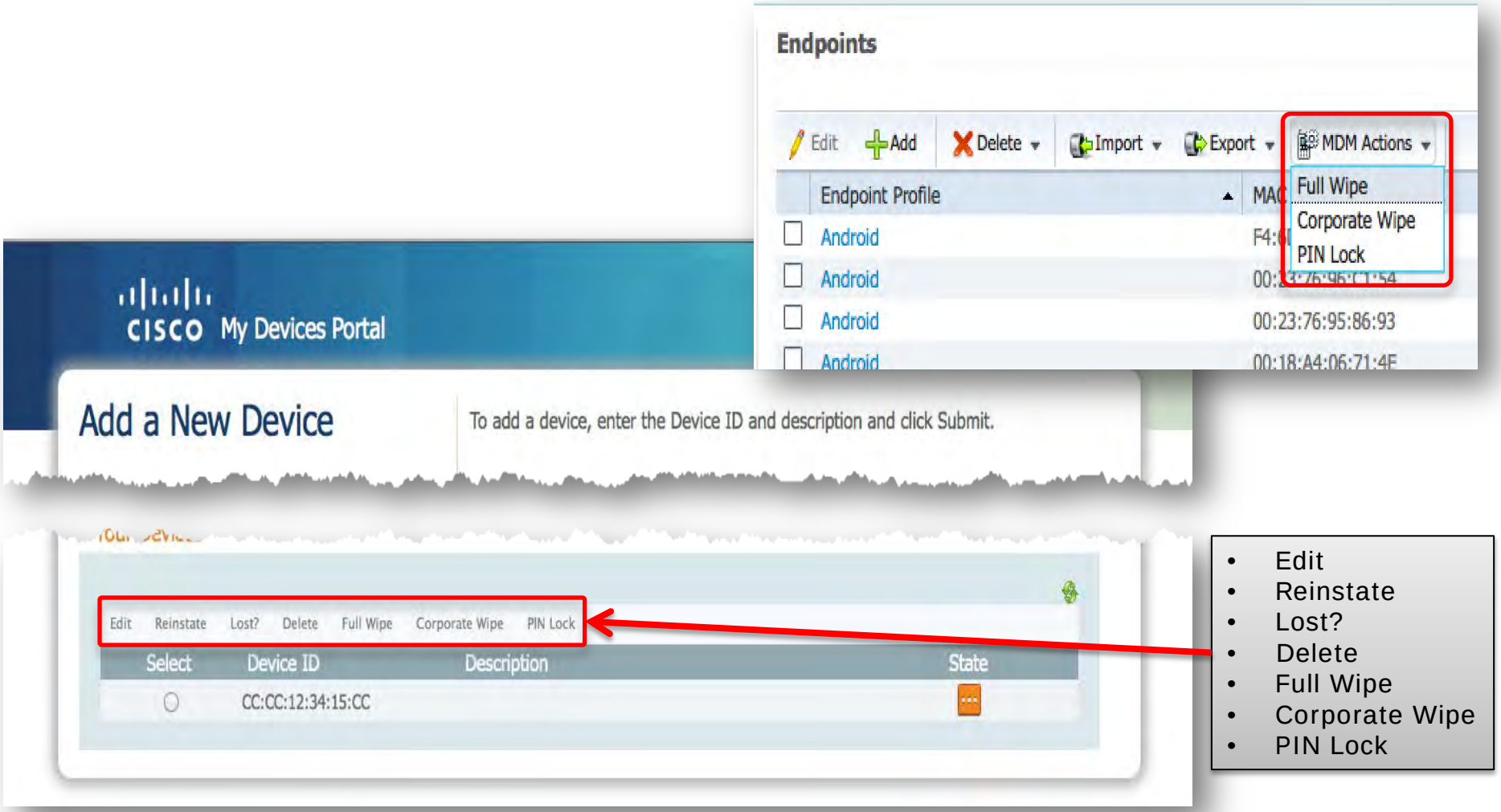
Nuevos atributos en las reglas de acceso



LOGICALIS
Business and technology working as one

Integración con sistemas de MDM

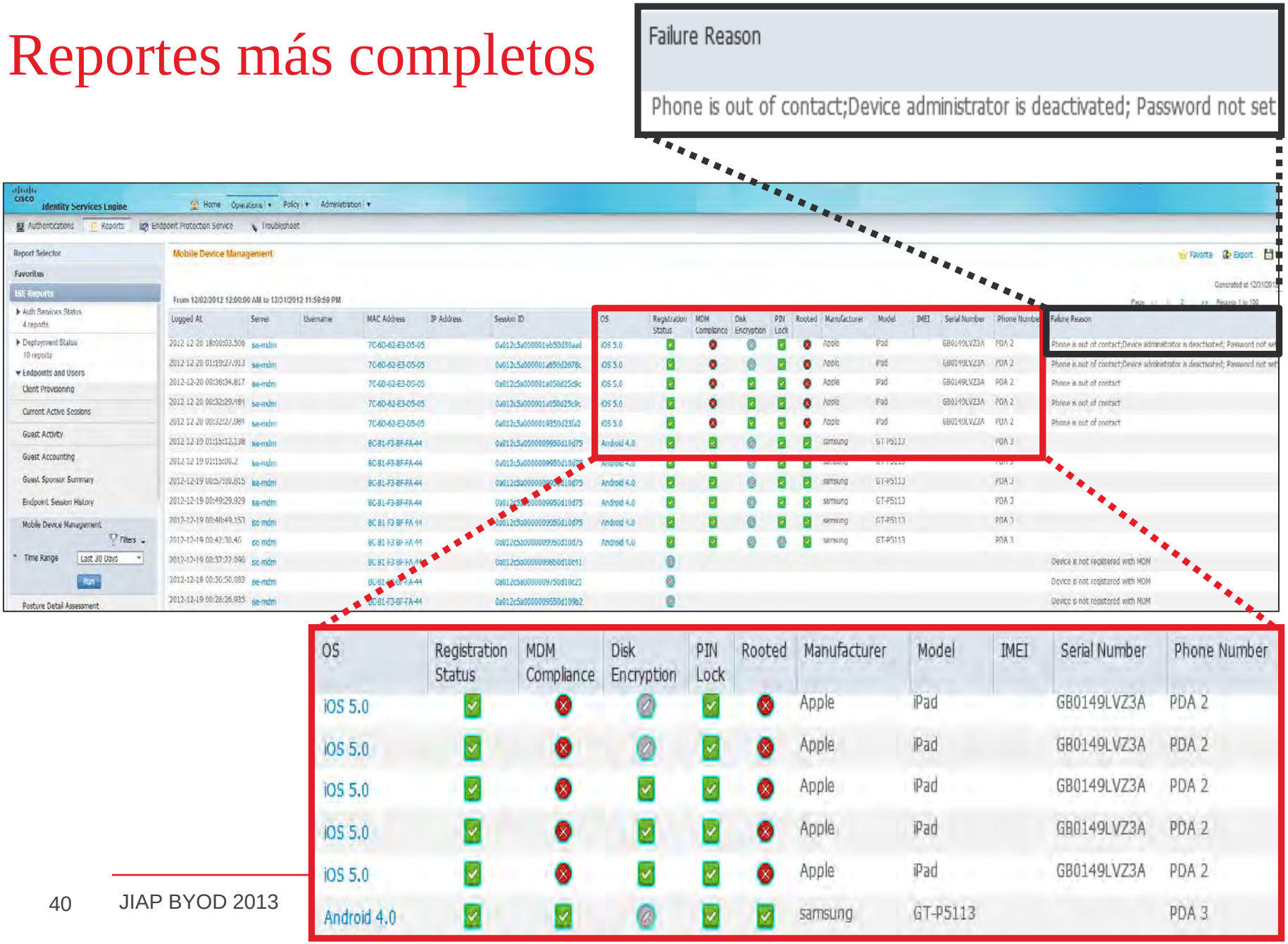
Funciones adicionales en el portal



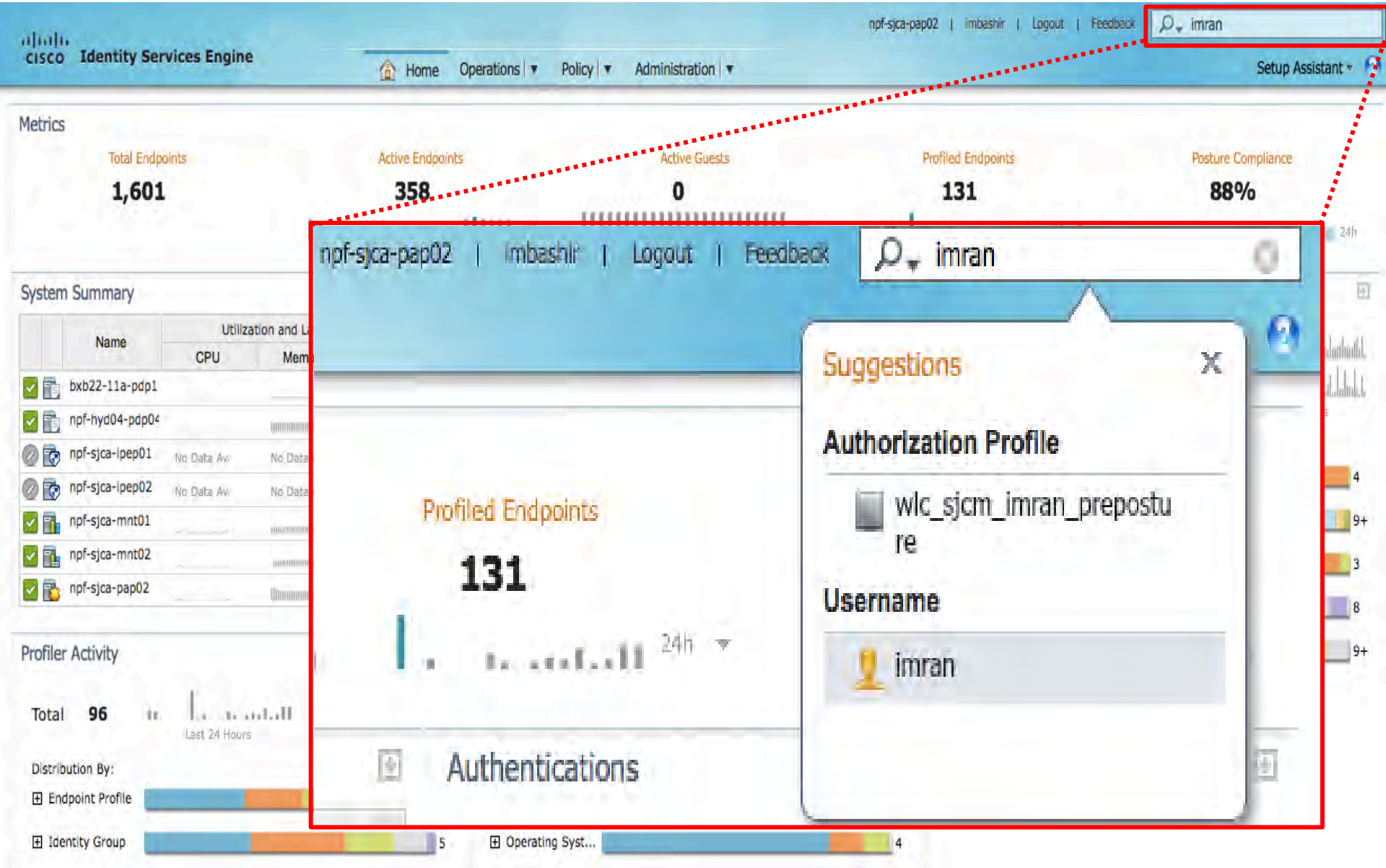
- Edit
- Reinstate
- Lost?
- Delete
- Full Wipe
- Corporate Wipe
- PIN Lock

LOGICALIS
Business and technology working as one

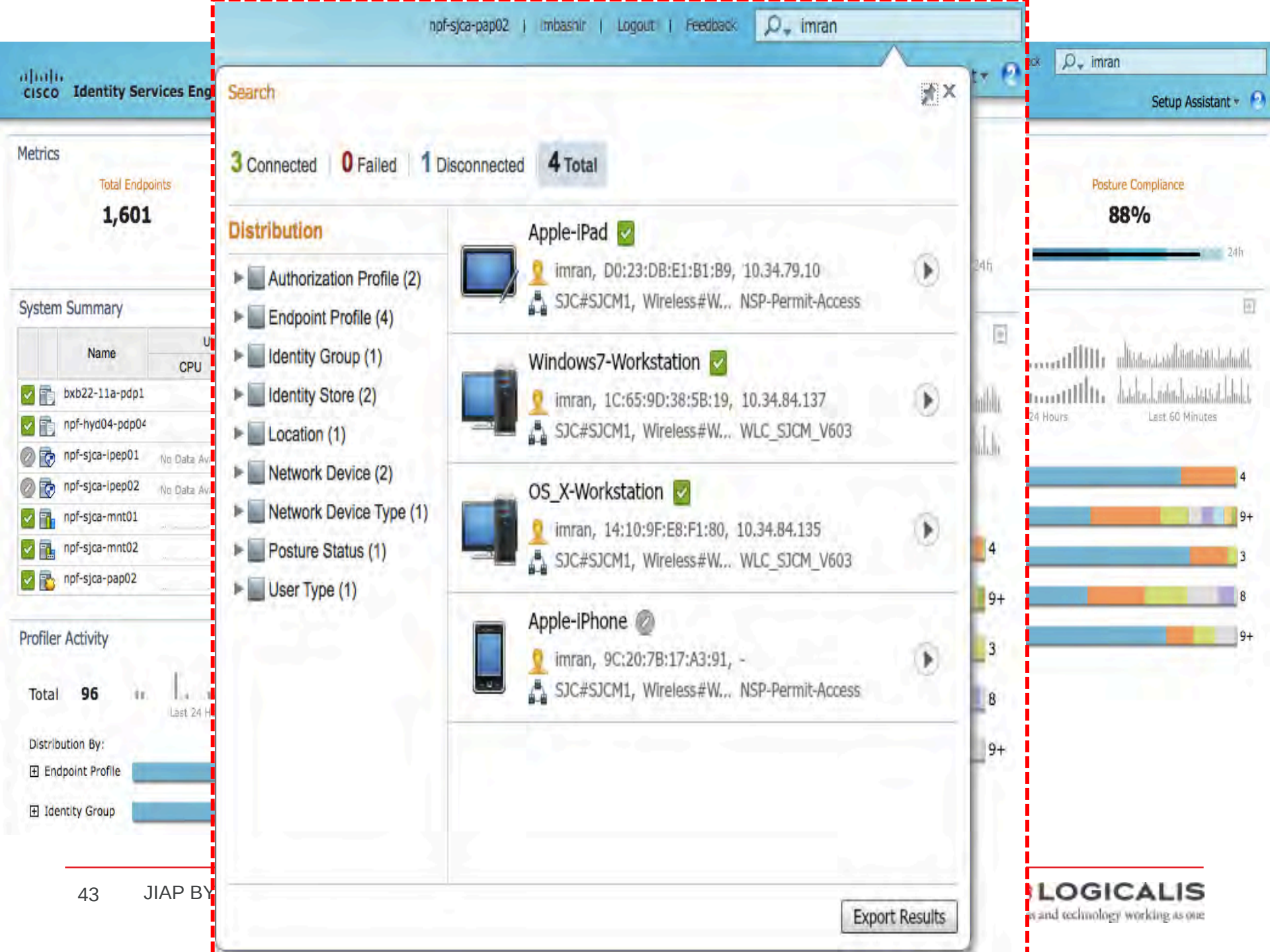
Reportes más completos

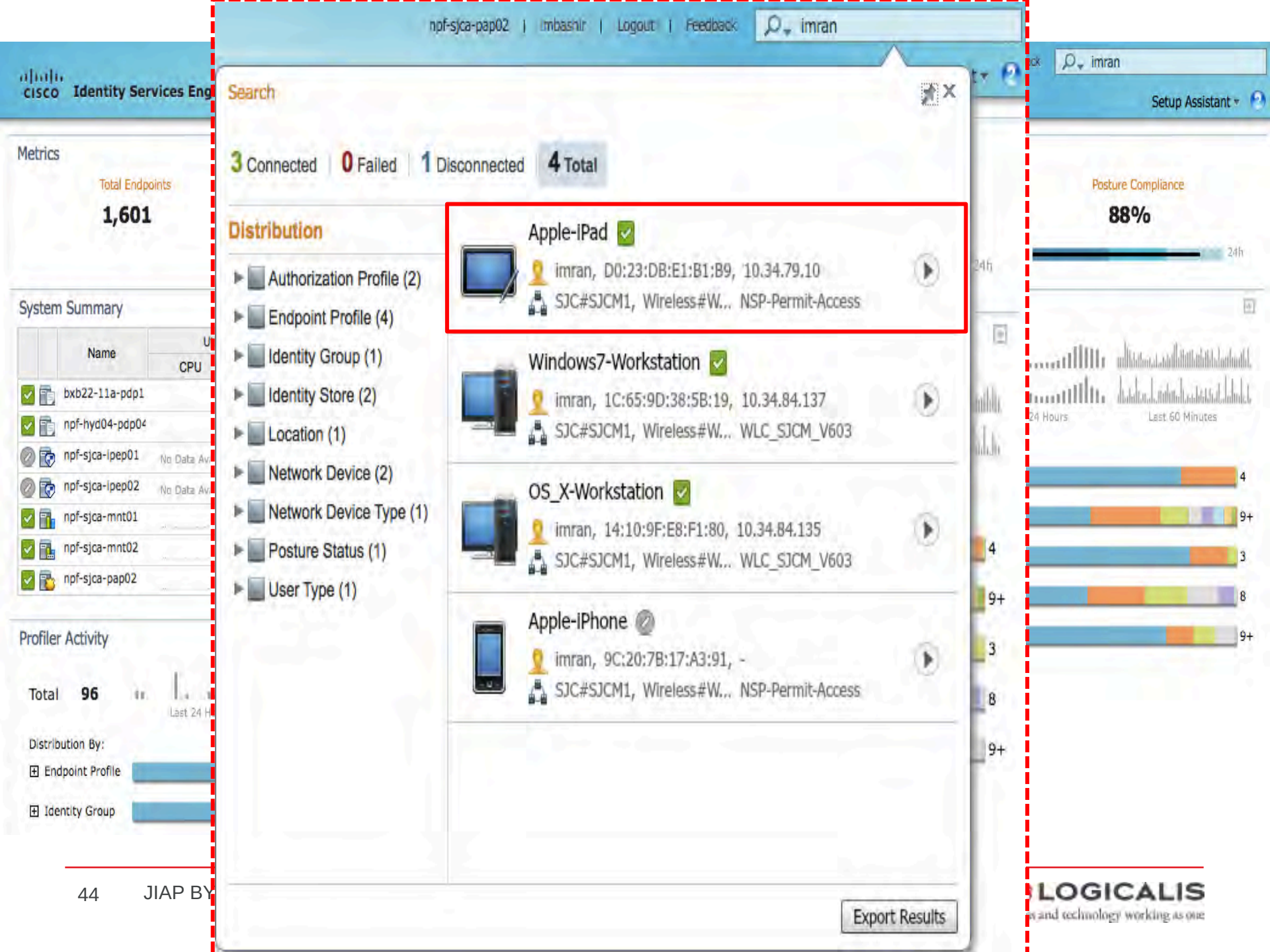


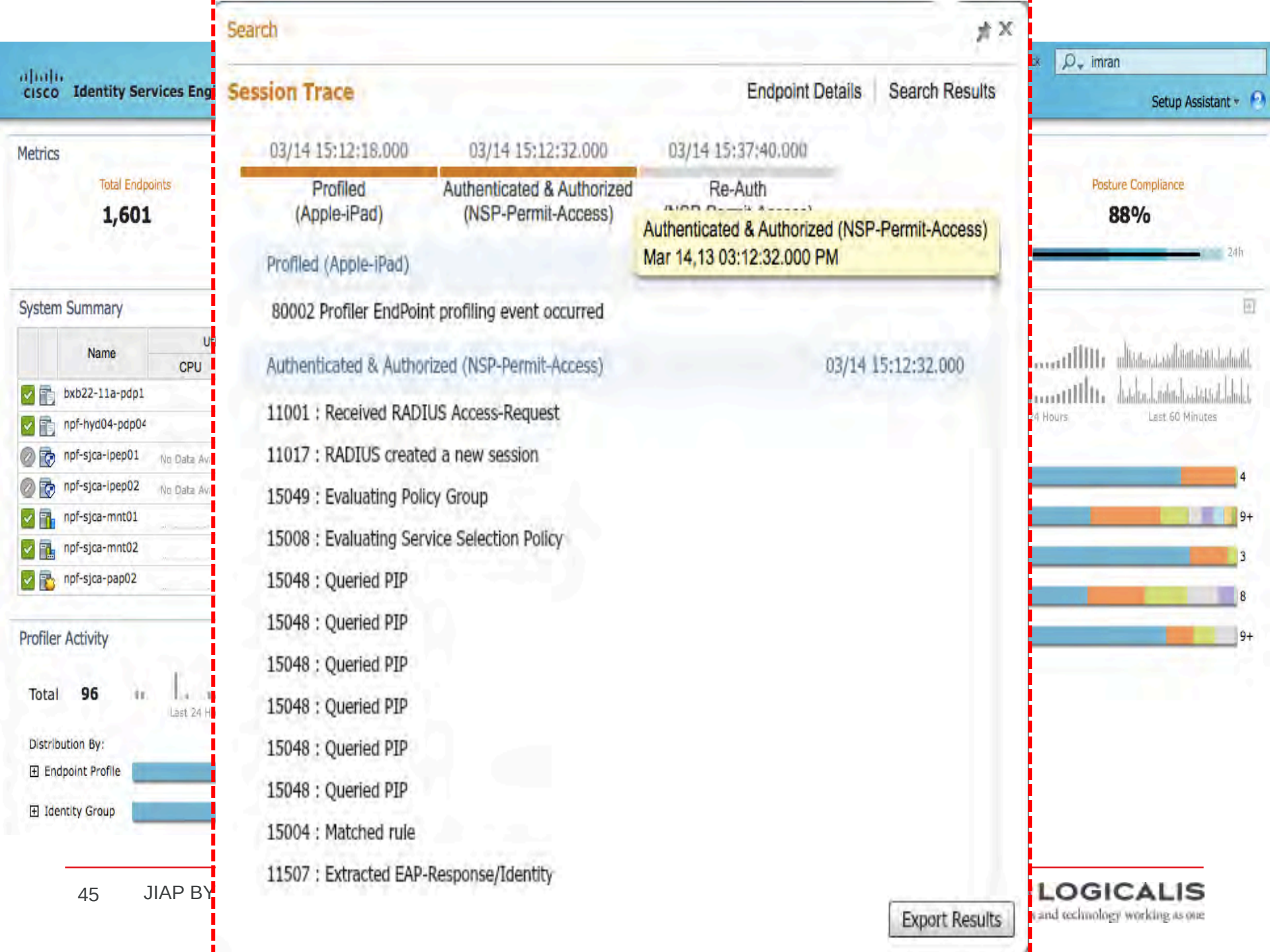
Powerful Search

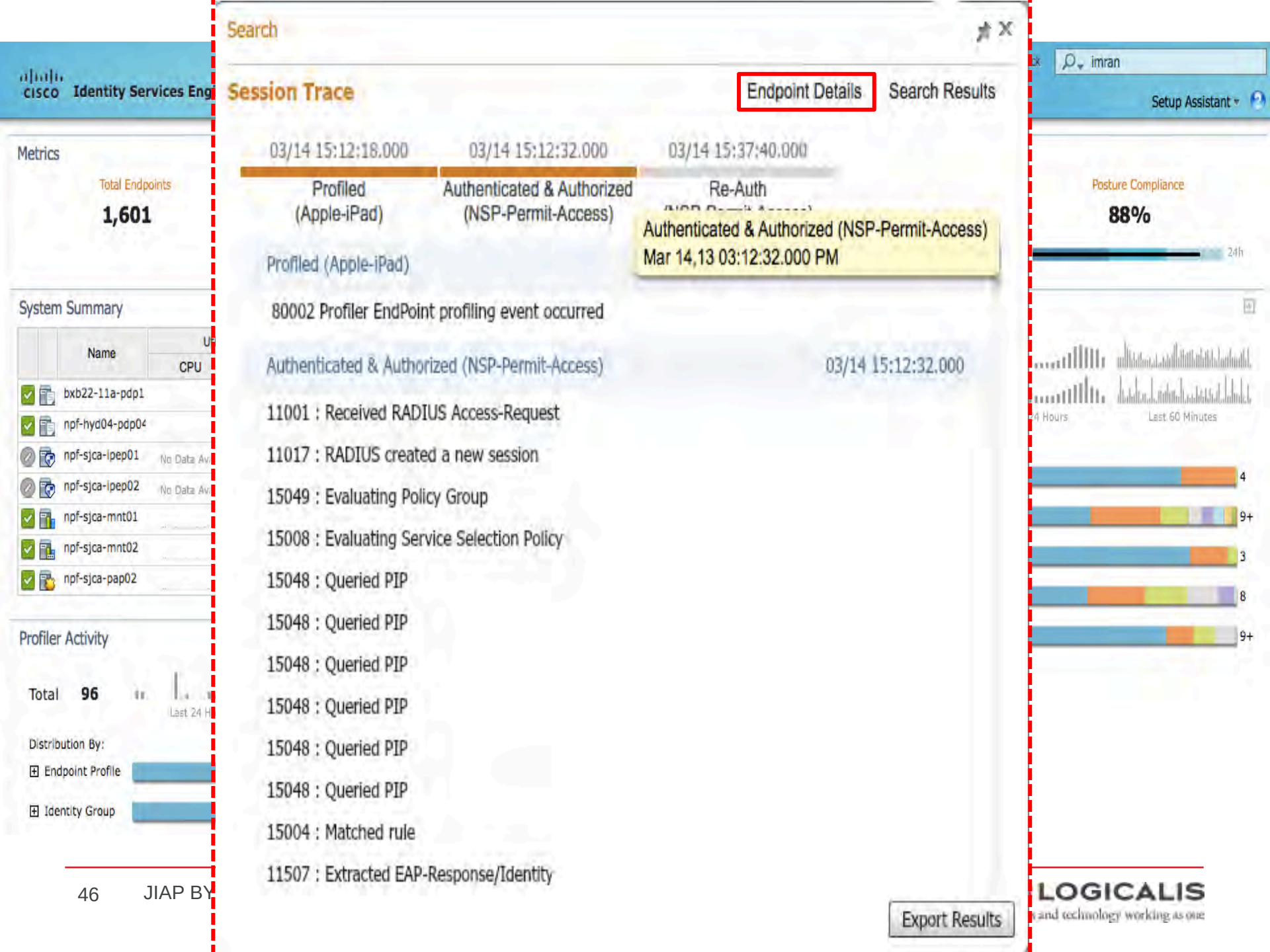


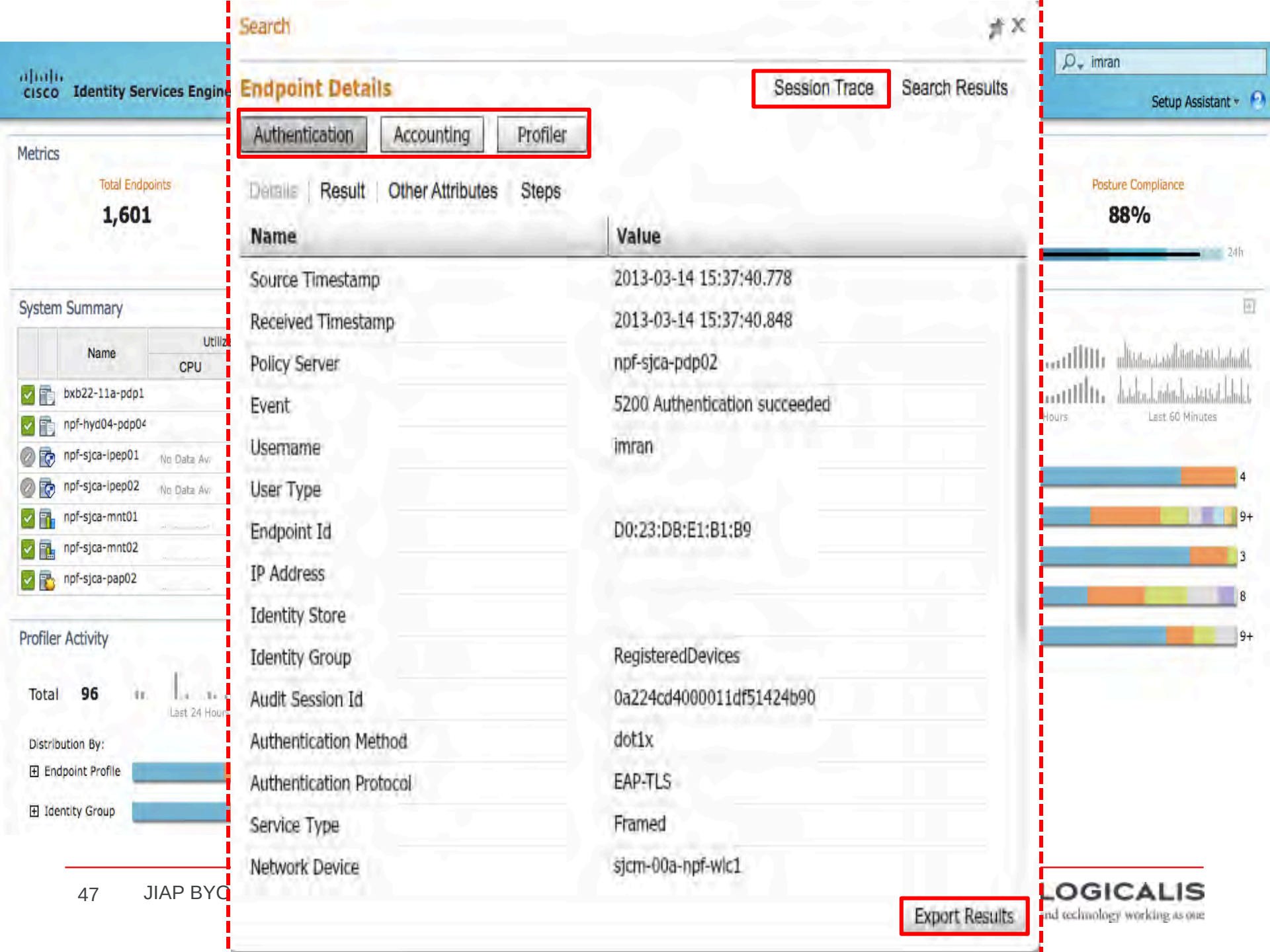
LOGICALIS
Business and technology working as one



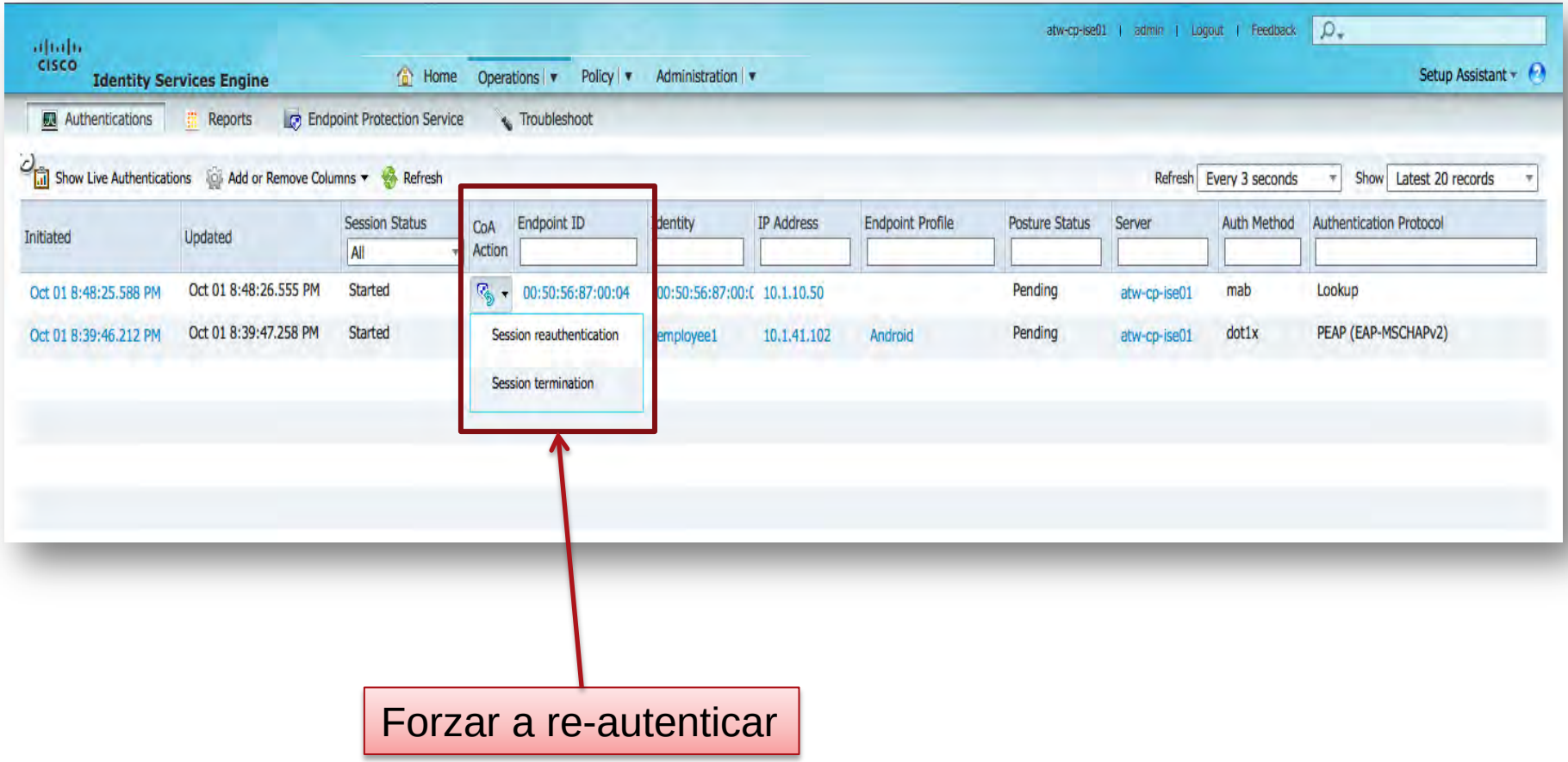




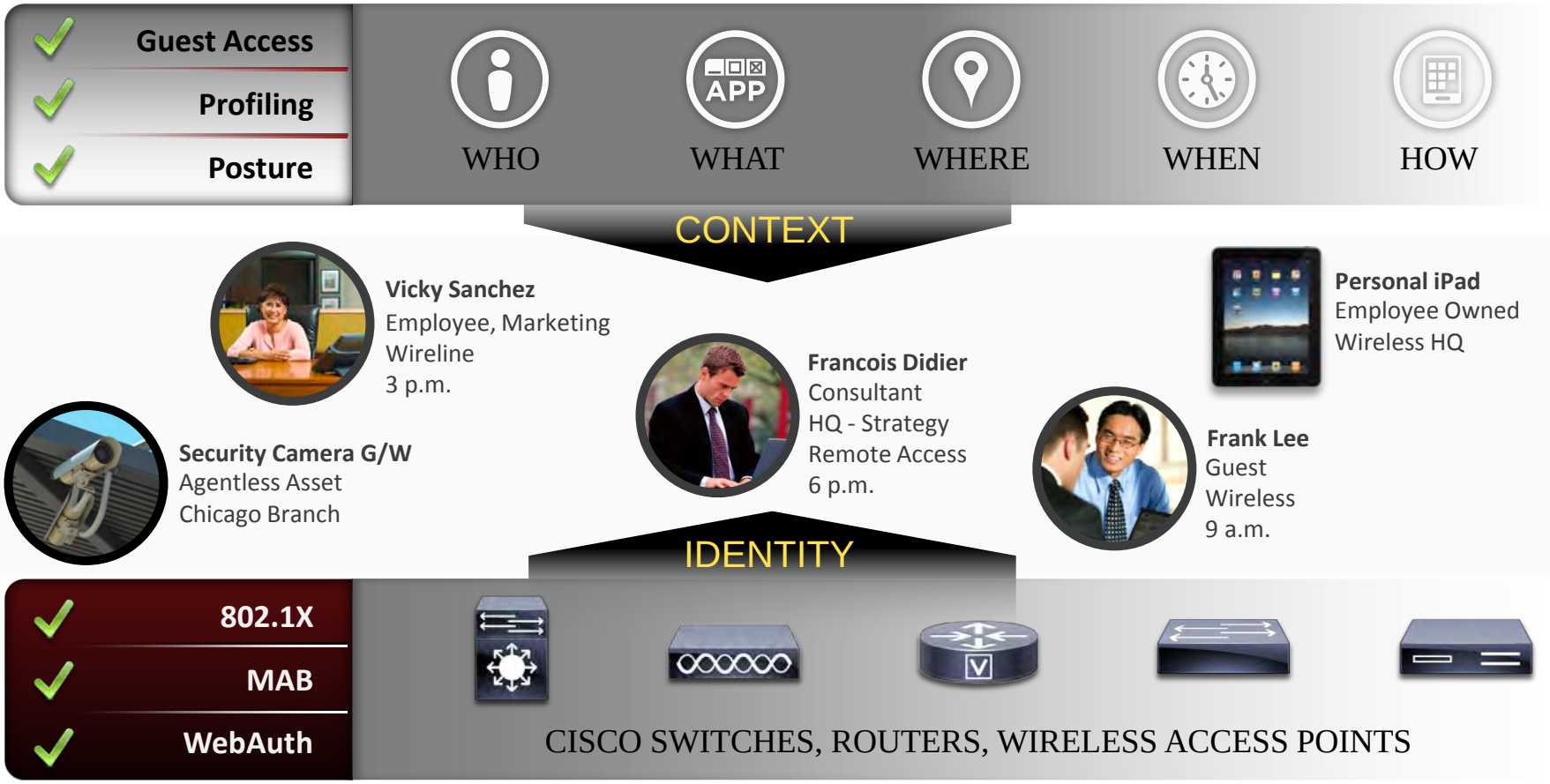




Control Manual

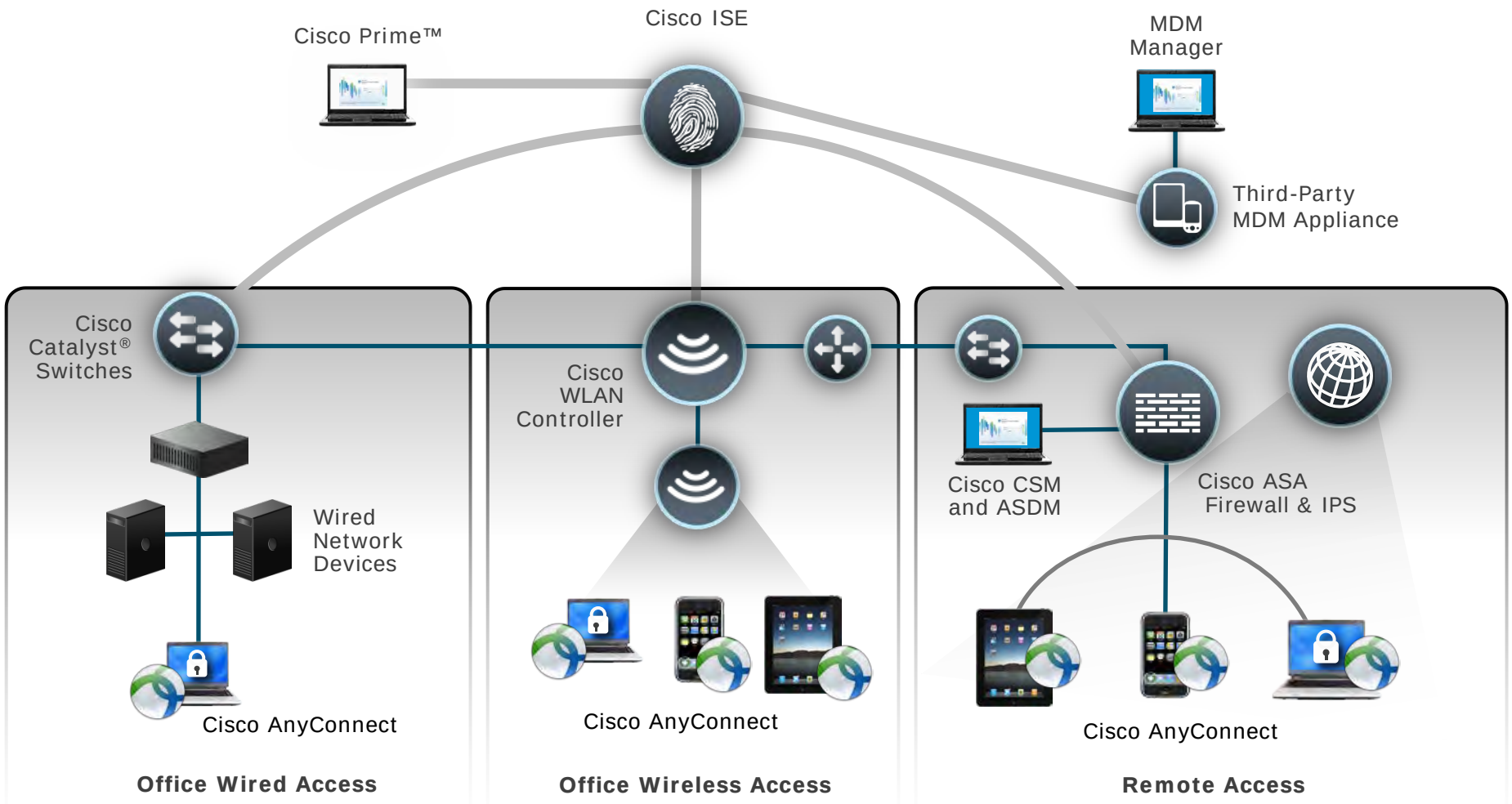


- Politica unificada en toda la empresa

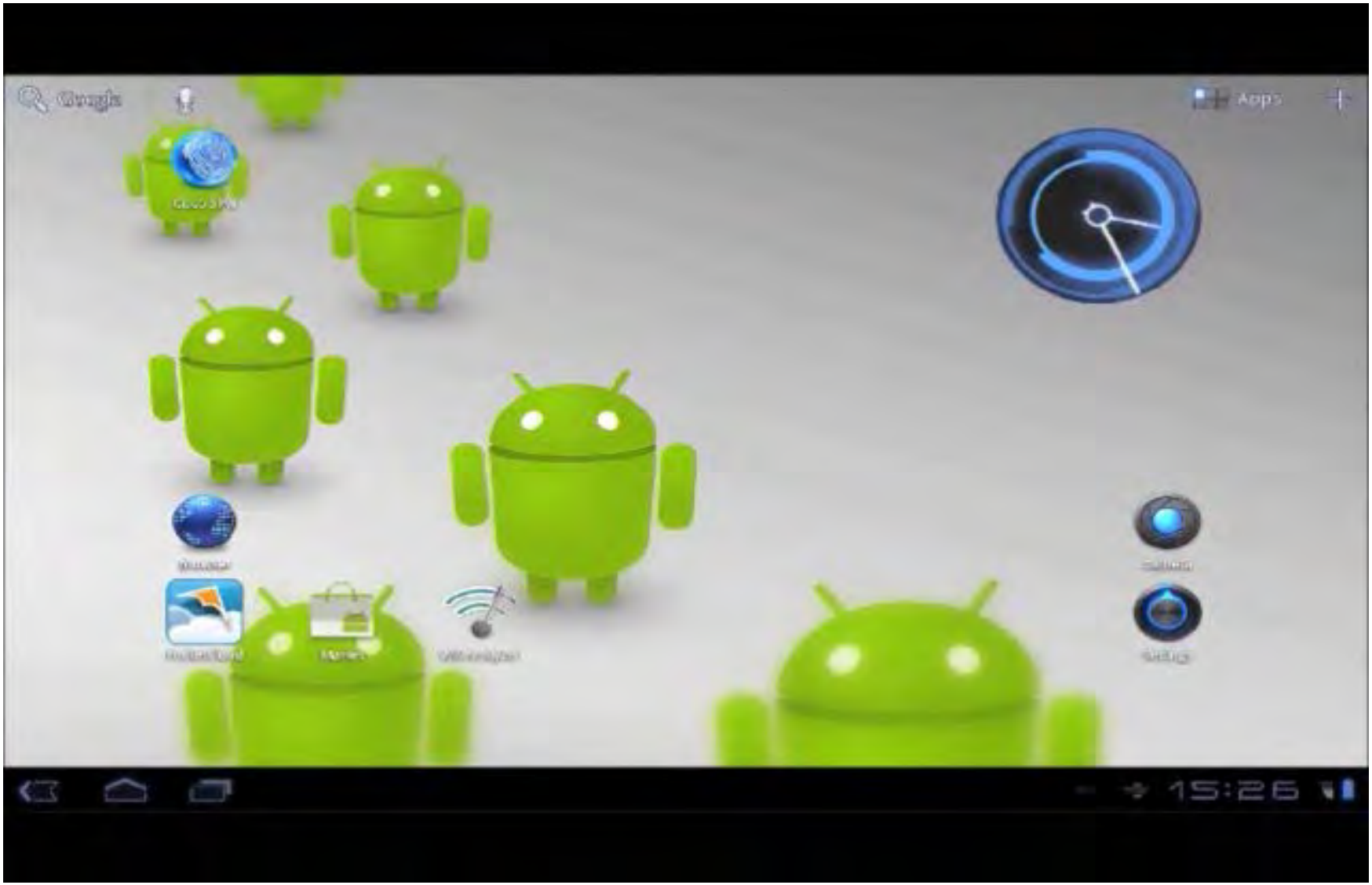


Identity (802.1X)-Enabled Network

Acceso Seguro Unificado



Experiencia del usuario corporativo




Resumen
• Problemática
• Arquitectura
• Soluciones/Gestión
• Preguntas

LOGICALIS
Business and technology working as one

Gracias!

Rodrigo Coloritto

Rodrigo.Coloritto@la.logicalis.com

LOGICALIS

Business and technology working as one

Logicalis llegó a las Redes Sociales

¿Qué esperas para seguirnos?

/LogicalisLatam

@LogicalisLatam

/LogicalisLatam

/Logicalis