

Estrategia de Movilidad

Empresarial



Agenda

Antecedentes

Desafíos & problemas

Estrategia de Infraestructura

- Definición de plataforma y hardware
- Autenticación
- Software de gestión (MDM/EMM)

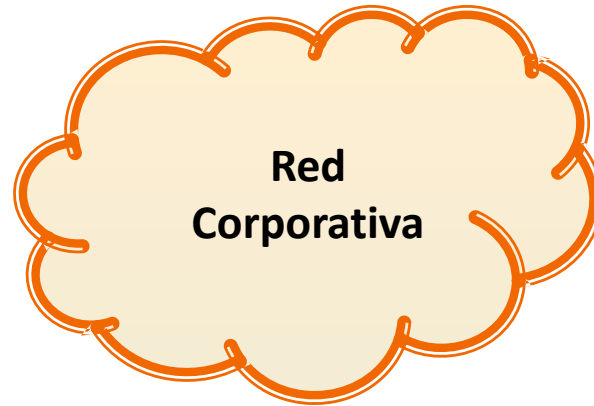
Estrategia de Aplicaciones

- Metodología de trabajo
- Definición de herramientas
- Implementación de Single Sign On

Antecedentes



PDA's
PDA's
+800 c/Windows Mobile
+70 c/Windows CE



Smartphones (+200)
Tablets (+50)

Aplicaciones

- **Comercial:** Lecturas (Leng. C)
- **SAP Almacenes** (.NET)
 - Servicio Técnico (.NET)
- **Distribución**
 - Brigadas de Mantenimiento (.NET y Android)
- **SAP Almacenes** (WEB)



Notebook (+1000)

Desafíos & Problemas

Problemas

- Evolución de los dispositivos y sistema operativo
- Evolución de las aplicaciones (Servicio Técnico)
- Distribución de aplicaciones
- Seguridad (políticas y autenticación)
- Acceso a servicios internos (Intranet)
- El usuario

Desafíos

Desafíos & Problemas

- Políticas de seguridad para móviles aprobadas por directorio
- Estrategia de infraestructura
- Estandarización de plataforma y dispositivos
- Software de gestión
- Autenticación (Active Directory/SSO)
- Definir metodología y herramientas de desarrollo

Estrategia de Infraestructura

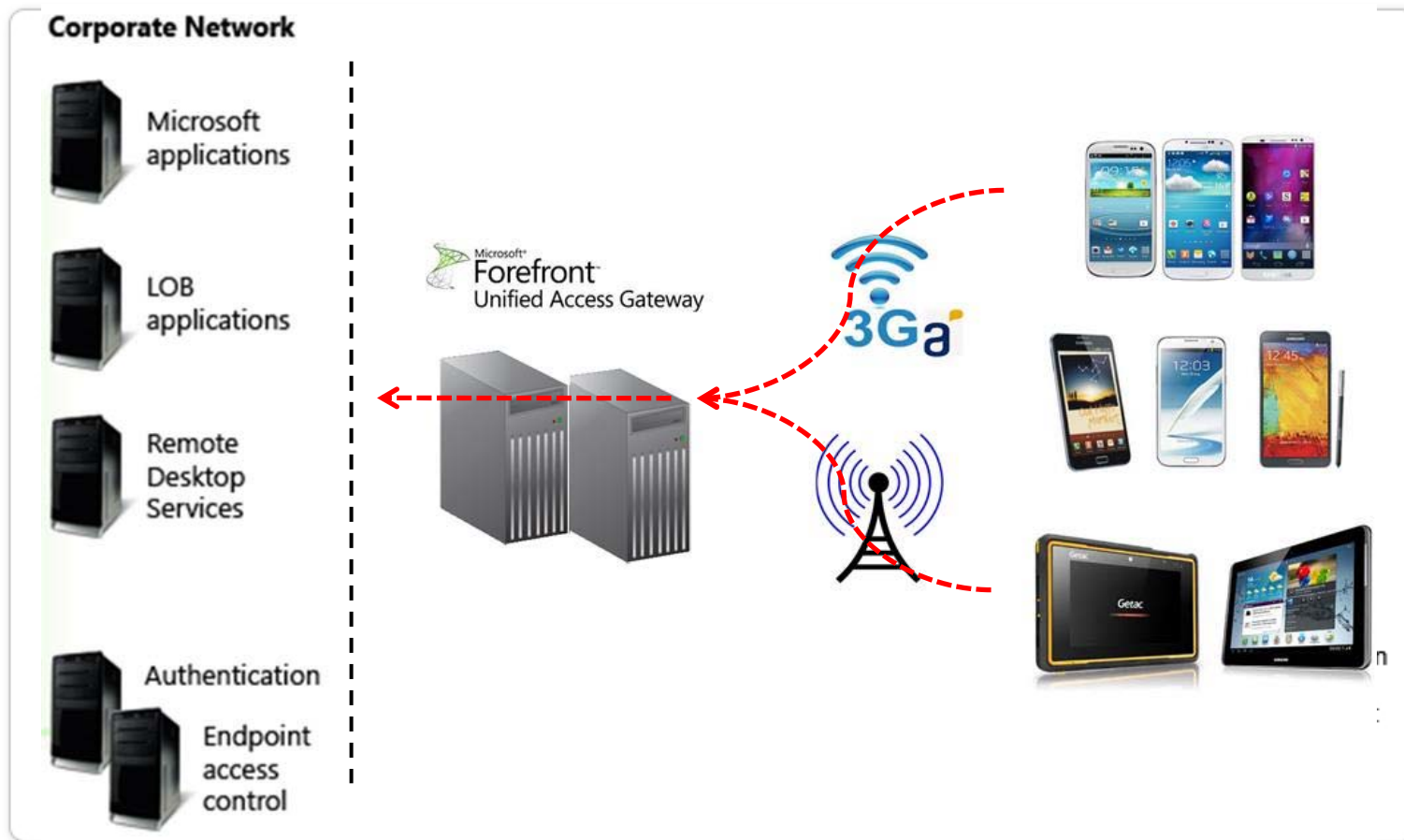
Plataforma Android 4.0+

Dispositivos: Marca – Modelo – Rugged?



Estrategia de Infraestructura

Autenticación



Estrategia de Infraestructura

Software de gestión MDM/EMM

2012 – Mobile Device Management



Fuente: Gartner

2014 – Enterprise Mobility Management



Estrategia de Infraestructura

Software de gestión SOTI - MobiControl

The screenshot displays the SOTI MobiControl management console. The main area is a table listing 29 devices. The left sidebar shows a hierarchical tree of device groups, including 'EXTRAVIDADOS', 'Gas Sayago', 'Pre-enrol', 'SandBox', 'UTE Operativo', and 'UTE Personal'. The right sidebar contains a list of management actions such as 'Information', 'Log', 'Update Schedule', and 'Location'. A large graphic of a globe with a compass rose is visible in the bottom right corner of the interface.

Icon	Device Name	Main Battery Status	Memory	System Storage	Device ID	Connection Type	Phone Number	IP Address	Last User Logged
	141712	52%	611 MB / 2 GB	766 MB / 10 GB	353771059272...	3G Cellular		172.20.6.25	JAVIER REGUE
	141711	100%	496 MB / 2 GB	1 / 10 GB	353771059273...	WIFI		172.26.121.79	JAVIER REGUE
	141710	1%	466 MB / 2 GB	855 MB / 10 GB	353771059287...	WIFI		192.168.181.115	JAVIER REGUE
	141683	17%	491 MB / 2 GB	923 MB / 10 GB	353771059272...	3G Cellular		172.20.6.22	JAVIER REGUE
	145617	74%	781 MB / 2 GB	731 MB / 10 GB	353771059271...	3G Cellular		172.20.1.63	SEBASTIÁN BE
	145615	46%	523 MB / 2 GB	2 / 10 GB	353771059268...	3G Cellular		172.20.0.13	LUIS DANIEL D
	145610	86%	482 MB / 2 GB	890 MB / 10 GB	353771059271...	3G Cellular		172.20.1.71	DARIO DAL MO
	143447	37%	813 MB / 2 GB	2 / 10 GB	353771059269...	2G Cellular		172.20.6.42	LUIS DANIEL D
	143445	2%	638 MB / 2 GB	1 / 10 GB	353771059270...	3G Cellular		172.20.6.48	DARIO DAL MO
	143444	96%	840 MB / 2 GB	984 MB / 10 GB	353771059269...	3G Cellular		172.20.6.67	JAVIER REGUE
	143436	16%	757 MB / 2 GB	882 MB / 10 GB	353771059269...	WIFI		192.168.181.124	JAVIER REGUE
	143431	85%	709 MB / 2 GB	2 / 10 GB	353771059269...	WIFI		172.26.126.125	JORGE DUVAL
	143430	35%	894 MB / 2 GB	2 / 10 GB	353771059273...	3G Cellular		172.20.6.83	JAVIER REGUE
	143428	0%	480 MB / 2 GB	769 MB / 10 GB	353771059270...	WIFI		172.26.121.74	JAVIER REGUE
	143422	63%	641 MB / 2 GB	2 / 10 GB	353771059273...	3G Cellular		172.20.6.81	JAVIER REGUE
	143402	49%	490 MB / 2 GB	974 MB / 10 GB	353771059268...	WIFI		172.26.121.193	JAVIER REGUE
	141747	100%	519 MB / 2 GB	1 / 10 GB	353771059273...	WIFI		172.31.170.117	EDUARDO JESI
	141745	100%	625 MB / 2 GB	791 MB / 10 GB	353771059272...	WIFI		172.26.126.236	JAVIER REGUE
	141741	42%	522 MB / 2 GB	881 MB / 10 GB	353771059271...	3G Cellular		172.20.0.215	JAVIER REGUE
	141740	100%	672 MB / 2 GB	1 / 10 GB	353771059271...	WIFI		172.31.170.124	JAVIER REGUE
	141739	99%	743 MB / 2 GB	1 / 10 GB	353771059287...	3G Cellular		172.20.0.237	FERNANDO CO
	141738	100%	816 MB / 2 GB	1 / 10 GB	353771059271...	3G Cellular		172.20.6.16	JAVIER REGUE
	141729	100%	763 MB / 2 GB	2 / 10 GB	353771059287...	WIFI		172.26.126.127	JORGE DUVAL
	141728	100%	774 MB / 2 GB	1 / 10 GB	353771059286...	WIFI		172.31.170.116	EDUARDO JESI
	141727	35%	726 MB / 2 GB	1 / 10 GB	353771059272...	3G Cellular		172.20.6.15	JAVIER REGUE
	141724	7%	723 MB / 2 GB	2 / 10 GB	353771059271...	3G Cellular		172.20.0.238	JAVIER REGUE
	141723	100%	528 MB / 2 GB	876 MB / 10 GB	353771059273...	WIFI		172.31.170.136	JAVIER REGUE
	141721	100%	665 MB / 2 GB	912 MB / 10 GB	353771059272...	3G Cellular		172.20.0.212	JAVIER REGUE
	141715	2%	674 MB / 2 GB	2 / 10 GB	353771059271...	3G Cellular		172.20.0.249	LUIS DANIEL D



Estrategia de Infraestructura

Software de gestión SOTI - MobiControl

The screenshot displays the SOTI MobiControl web interface. The top navigation bar includes the SOTI MobiControl logo and the user name 'Goday, Javier (Log Out)'. The left sidebar contains a tree view of management categories such as 'Add Devices', 'Package Deployment', 'Application Catalog', and 'Device Relocation'. The main content area is divided into two sections: 'Info' and 'Logs'. The 'Info' section shows details for a deployment rule named 'Portal_v102', including its status, activation date, and target device groups. The 'Logs' section displays a table of recent events.

Name	Value
Name	Portal_v102
Type	Deployment Rule
Status	Enabled
Activate Date	2014-07-15 11:02:00 AM
Install Date	Immediately after download
Packages	Portal_v102 (1.02)
Target Device Groups	WUTE Operativo(Distribucion/Operacion) WUTE Personal WandBox(Desarrollo SIG)

Date	Time	Message	Deployment...	Device	User
2014-08-15	11:57:38 AM	Rule 'Portal_v102' changed			D005479 (H...
2014-07-24	05:04:46 PM	Rule 'Portal_v102' changed			D005479 (H...
2014-07-24	12:44:43 PM	Rule 'Portal_v102' changed			Administrator
2014-07-24	12:44:09 PM	Rule 'Portal_v102' changed			Administrator
2014-07-15	11:04:18 AM	Rule 'Portal_v102' changed			ut602537 (S...

Estrategia de Infraestructura

Software de gestión SOTI - MobiControl

Name	Package	CPU	Memory Usage
BluetoothTest	com.sec.android.app.bluetoothtest	00%	0.00M
com.android.smpush	com.android.smpush	00%	1.93M
Compartir Bluetooth	com.android.bluetooth	00%	0.00M
Config.	com.android.settings	00%	6.69M
ContextProvider	com.samsung.android.providers.context	00%	3.84M
Correo	com.android.email	00%	9.25M
CSC	com.samsung.sec.android.application.csc	00%	0.00M
Enterprise SysScope Service	com.android.server.device.enterprise	00%	0.00M
Enterprise VPN Services	com.android.server.vpn.enterprise	00%	0.00M
GlanceViewMk	com.sec.android.app.GlanceView	00%	2.04M
Google Backup Transport	com.google.android.backup	00%	0.00M
Google Play Store	com.android.vending	00%	6.90M
Maps	com.google.android.apps.maps	00%	7.57M
MAPServiceSamsung	com.samsung.map	00%	2.20M
Mar profundo	com.samsung.android.livewallpaper.deepeat	00%	7.37M
Marco de los servicios de Go...	com.google.android.gsf	00%	0.00M
MobiControl	net.soti.mobicontrol.samsung	02%	53.83M
Osmand	net.osmand	00%	46.98M
Reprod. de Video	com.sec.android.app.videoplayer	00%	4.84M
S Suggest	com.tgrape.android.radar	00%	4.02M
S Voice	com.vlingo.midas	00%	5.46M
SecPhone	com.sec.phone	00%	2.51M
Sistema Android	android	00%	0.00M
SmartcardService	org.simalliance.openmobileapi.service	00%	0.00M
SysScope	com.sec.android.app.syscope	00%	4.25M
Talk	com.google.android.talk	00%	0.00M
Teclado Samsung	com.sec.android.inputmethod	00%	32.66M
Telefono	com.android.phone	00%	12.62M
TvDIFSApp	com.sec.android.app.btvdfs	00%	2.92M
Ubicación de la red	com.google.android.location	00%	0.00M
UI sistema	com.android.systemui	00%	17.48M
YouTube	com.google.android.youtube	00%	8.23M
Zona Movil	com.android.stk	00%	0.00M



Estrategia de Infraestructura

Software de gestión SOTI - MobiControl

The screenshot displays the SOTI MobiControl software interface. On the left, a tree view lists various device categories and their battery levels. The main area shows a map of Montevideo, Uruguay, with a red line indicating a route. A pop-up window provides details for device 143423, including its location, time, and speed. The interface includes a top navigation bar with icons for different device types and a bottom status bar with navigation controls.

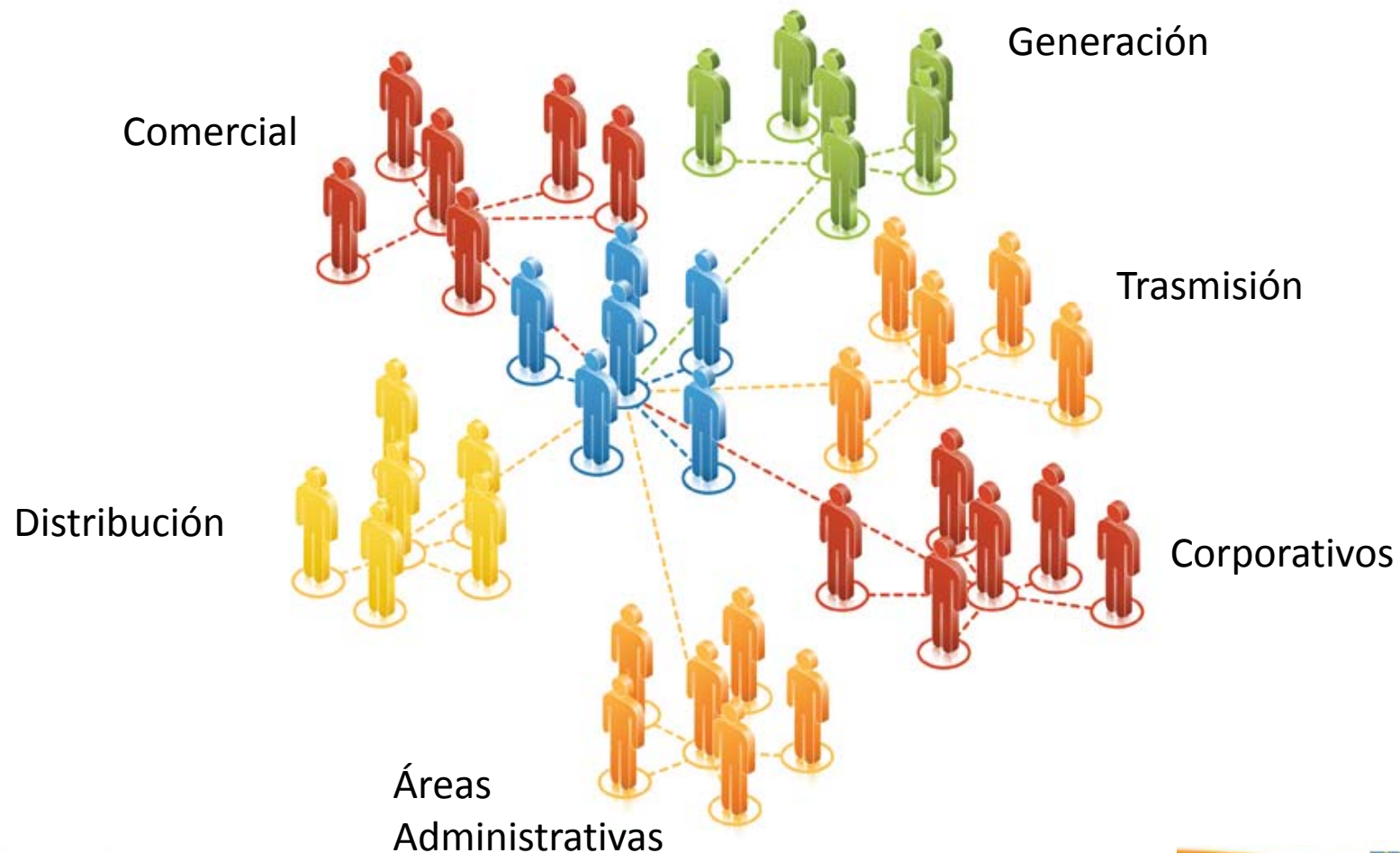
Icon	Device Name	Main Battery Sta
EXTRAVIADOS		
Perdidos	145539	100%
Gas Sayago	143448	39%
Pre-enrol	143446	29%
SandBox	143442	82%
UTE Operativo	143440	98%
Bloqueados	143439	15%
Comercial	143438	60%
Lectura	143437	39%
prueba st mwm	143429	100%
Servicio Tecnico	143427	78%
Note I	143426	94%
ST Centro	143425	3%
ST Este	143424	96%
ST Montevideo	143423	100%
Galaxy S5 Android 4.4.2	143421	18%
Note I Android 2.3.5	143418	85%
Note II Android 4.1.1	143416	100%
Note III Android 4.3	143415	99%
ST Norte	143414	88%
ST Oeste	143412	92%
Testing MWM	143411	100%
Desconectados	143410	100%
Distribucion	143407	15%
Mantenimiento	143405	37%
Operacion	143404	66%
En Service	141700	1%
Huerfanos	141699	30%
Planificacion y Medio Ambiente	141691	17%
Recursos	141688	3%
SandBox-BORRAR	141687	17%
UTE Personal	141685	66%
Funcionarios		
Gerentes		
Guardia		
Huerfanos		
Jefes		

Map Information for Device 143423:

- 2014-09-11 at 10:00:00 AM
- Latitude: -34.8508
- Longitude: -56.1139
- Heading: ESE
- Speed: 18.57mph (29.89km/h)

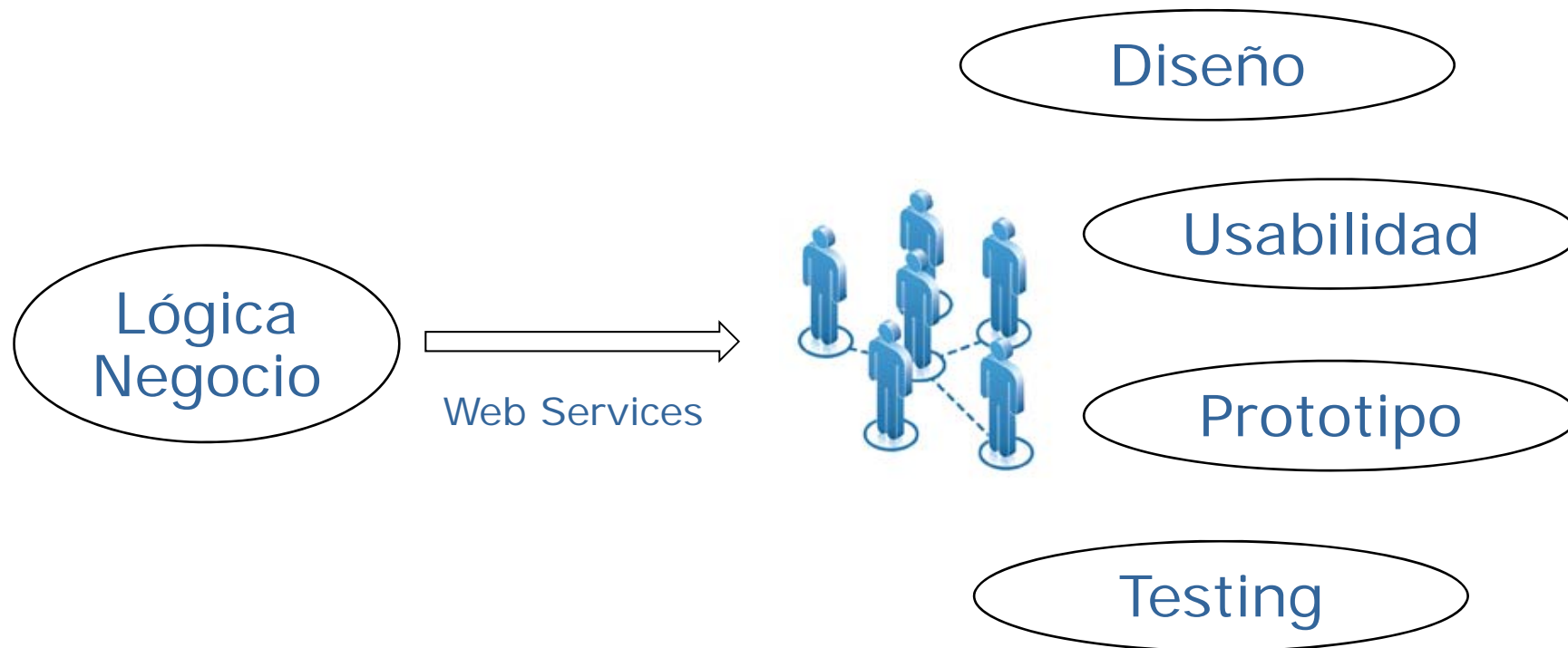
Estrategia de Aplicaciones

Metodología de trabajo



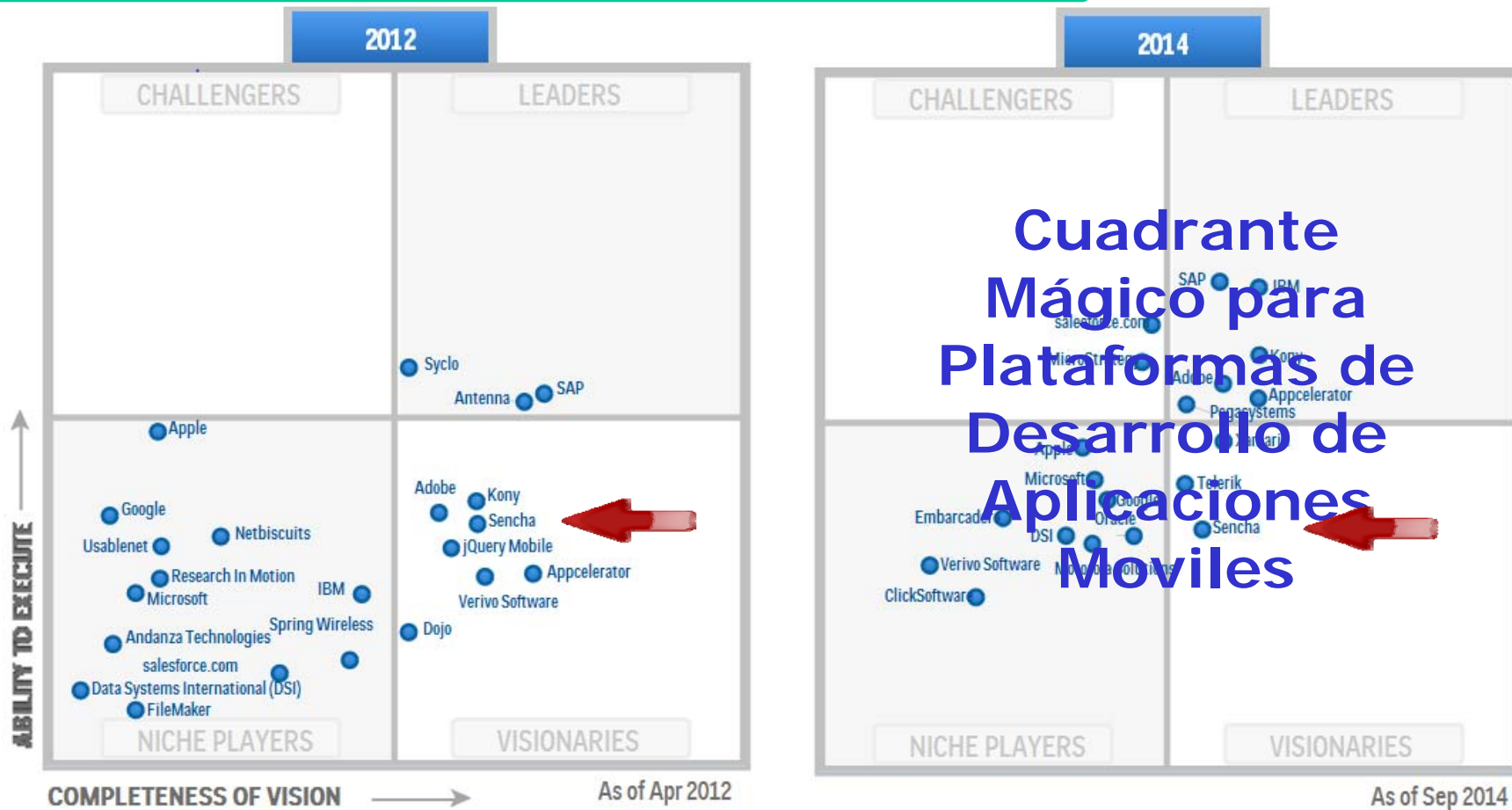
Estrategia de Aplicaciones

Metodología de trabajo



Estrategia de Aplicaciones

Definición de Herramientas



Cuadrante Mágico para Plataformas de Desarrollo de Aplicaciones Móviles

Estrategia de Aplicaciones

Definición de Herramientas



Sencha



Phone**Gap**

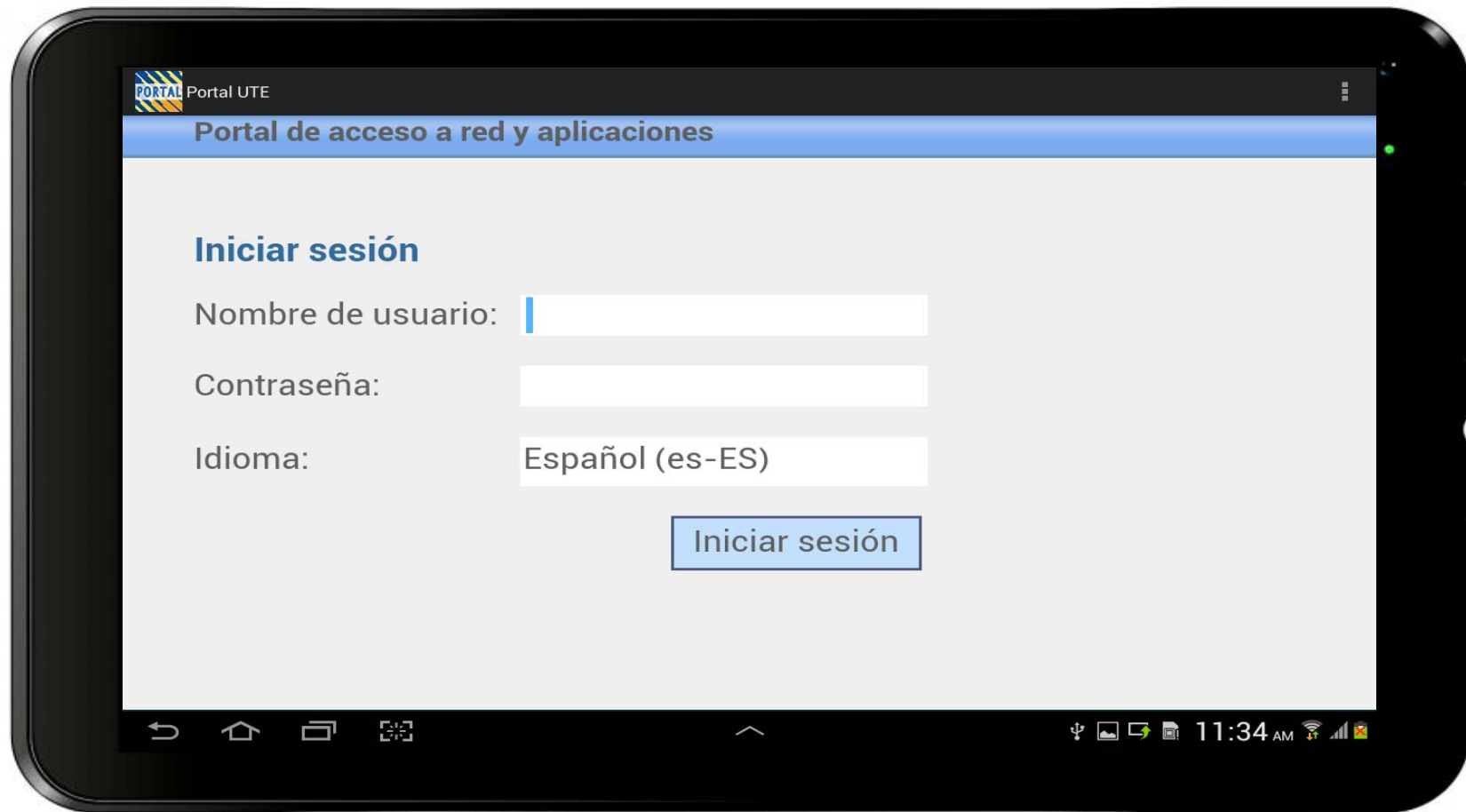
Estrategia de Aplicaciones

Implementación de Single Sign On



Estrategia de Aplicaciones

Implementación de Single Sign On



The image shows a tablet displaying a web portal for UTE. The portal is titled "Portal de acceso a red y aplicaciones" and features a login section. The login form includes fields for "Nombre de usuario:", "Contraseña:", and "Idioma:", with a corresponding "Iniciar sesión" button. The "Idioma" field is currently set to "Español (es-ES)". The tablet's status bar at the bottom shows the time as 11:34 AM and various system icons.

Portal UTE

Portal de acceso a red y aplicaciones

Iniciar sesión

Nombre de usuario:

Contraseña:

Idioma:

11:34 AM

Estrategia de Aplicaciones

Implementación de Single Sign On



Estrategia de Aplicaciones

Implementación de Single Sign On

Microsoft applications

LOB applications

Remote Desktop Services

Authentication

Endpoint access control

Microsoft Forefront Unified Access Gateway



- Autentica
- Verifica permisos
- Delega credenciales
- Notificaciones
- Verifica conexiones

¿PREGUNTAS?





MUCHAS GRACIAS

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