



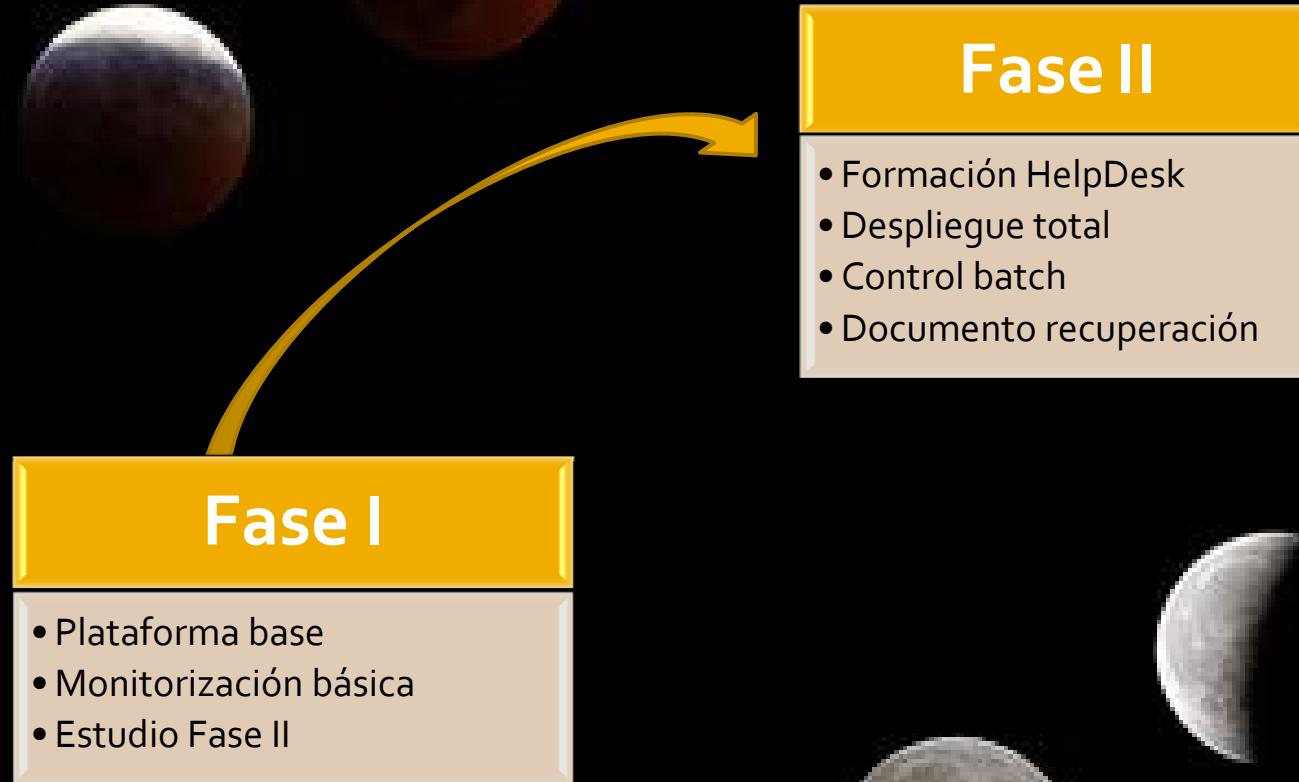


Por qué?...



...expectativas

Alcance



Objetivos



Software monitorización

Licenciado

HP Openview

Unicenter TNG

Tivoli IBM

GNU GPL

Opsview

Nagios

Icinga

Zabbix

Instalación plataforma

Virtual appliance

Descarga

Reconfigurar para ESX



Parametrización

Configuración Red local



Activar monitorización

Agente nativo

Personalizadas

Selección Plataforma

Interface php

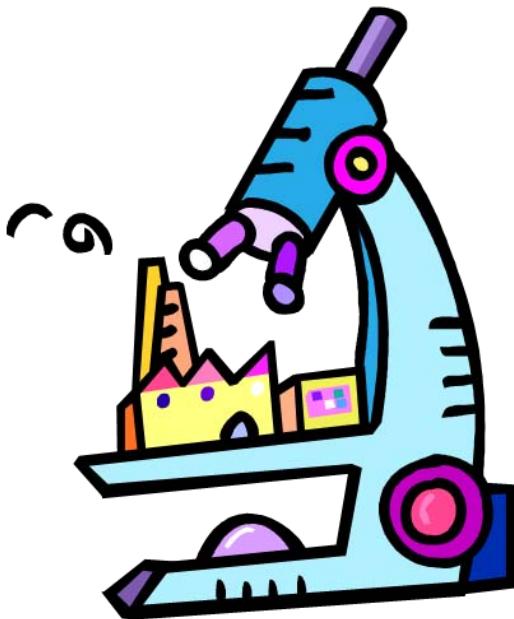
- Interface php fácil manejo

Estructura objetos

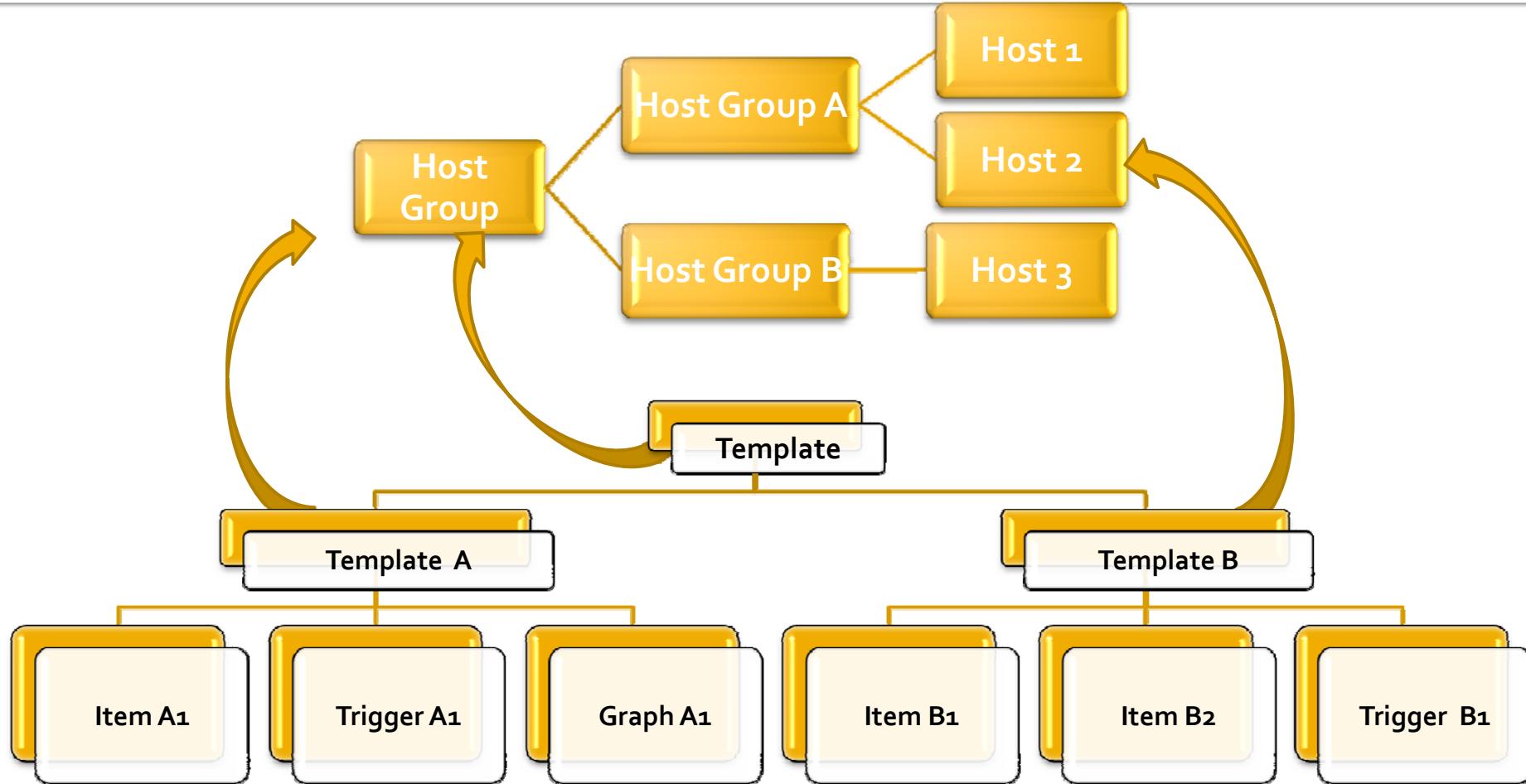
- Intuitiva, flexible y potente

Comunidad

- Soporte en foros



Jerarquía de objetos



Key	Description
agent.ping	Check the agent usability. Can be used as a TCP ping.
agent.version	Version of zabbix_agentd. String value. Example of returned value: 1.1
kernel.maxfiles	Maximum number of open files per process. Integer value. Default is 1024.
kernel.maxproc	Maximum number of processes per host. Integer value. Default is 1024.
net.if.collisions[if]	Network interface input statistic. Integer Value.
net.if.in[if,<mode>]	Network interface output statistic. Integer Value.
net.tcp.dns.query[ip,zone,type]	Is a query for the record type specified.
net.tcp.dns[ip,zone]	Checks if DNS service is up. 0 - DNS is down, 1 - up.
net.tcp.listen[port]	Checks if this port is listening. 0 - it is not listening, 1 - it is in listening state.
net.tcp.port<ip>,<port>	Check, if it is possible to connect to the port. 0 - cannot connect, 1 - can connect. IP address is optional. If ip is missing, port is checked.
net.tcp.service.perf[service,<ip>,<port>]	Checks how much time was spent on connection to the service. If ip is missing 127.0.0.1 is used. If port is missing 1099 is used.
net.tcp.service[service,<ip>,<port>]	Checks if the service is down, up or unknown. 0 - service is down, 1 - up, 2 - unknown. If ip is missing 127.0.0.1 is used.
perf_counter[counter,<interval>]	Value of the counter. If interval is missing, the current value is returned.
proc.info[<process>,<attributes>]	Different types of information about process.
proc.mem[<name>,<user>,<mode>]	Memory usage of the process. If user is missing, all processes are taken into account. If mode is missing, the total memory usage is returned.
proc.num[<name>,<user>,<state>]	Number of processes running with the specified name and user. If user and state are optional. Example: proc.num[httpd,root,running]
service.state[service]	State of service. 0 - running, 1 - paused, 2 - start pending, 3 - pause pending, 4 - stop pending, 5 - stopped.
system.boottime	Timestamp of system boot.
system.cpu.intr	Device interrupts.
system.cpu.load[<cpu>,<mode>]	CPU load. If mode is missing, the average over all processors is used. If mode is missing avg1 is used. Note that mode is case sensitive.
system.cpu.num	Number of processors.
system.cpu.switches	Processor switches.
system.cpu.util[<cpu>,<type>,<mode>]	CPU utilization. If type is missing, the average value is returned. If mode is missing, the average over all processors is used. If mode is missing avg1 is used. If type is missing, the average over all processors is used. If mode is missing avg1 is used.
system.hostname	Host name. String value. Example of returned value: zabbix.com
system.localtime	System local time in seconds.
system.run[command,<mode>]	Run specified command on the host.
system.s	Standard items.

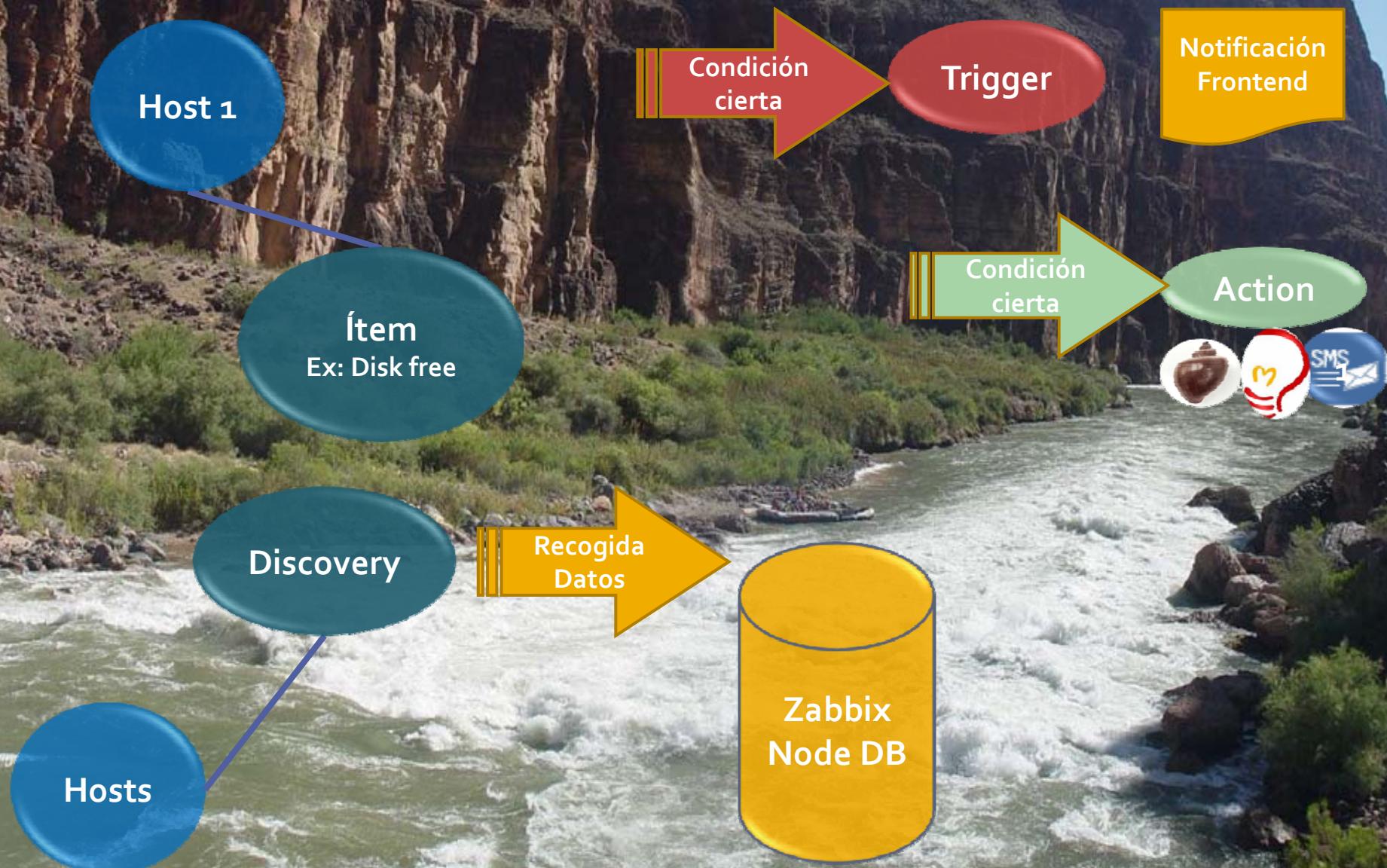
Zabbix
TrapperSistema
ArchivosDisponibilidad de
Host

Recursos

Zabbix Agent
+
PersonalizaciónServicios
WindowsSQL
State

Daemons

Data workflow



Mapa Global

Mapa local

Servicios

Detalle Servicios

Mapas



TGC

Cornella

Neteye
OK

Nortel-Backbone1-32.1
OK



GC

Correo
Electrónico
Impresión

SERVICIOS
Navegación
Internet
Aplicaciones
Lotus

Hyperion
Red

Neteye
OK

Nortel-Backbone1-32.1
OK



GC

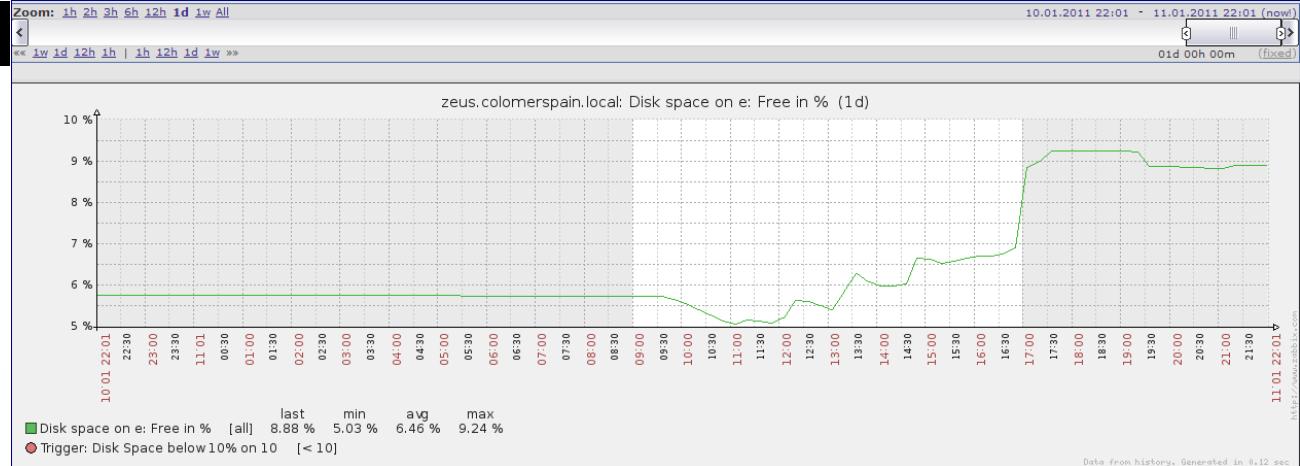
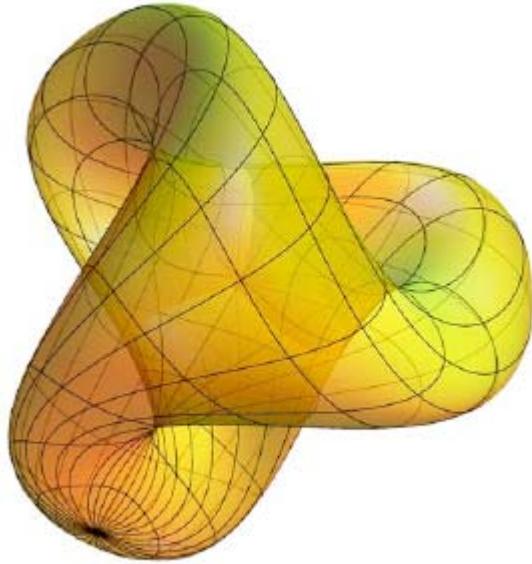
Correo
Electrónico
Impresión

SERVICIOS
Navegación
Internet
Aplicaciones
Lotus

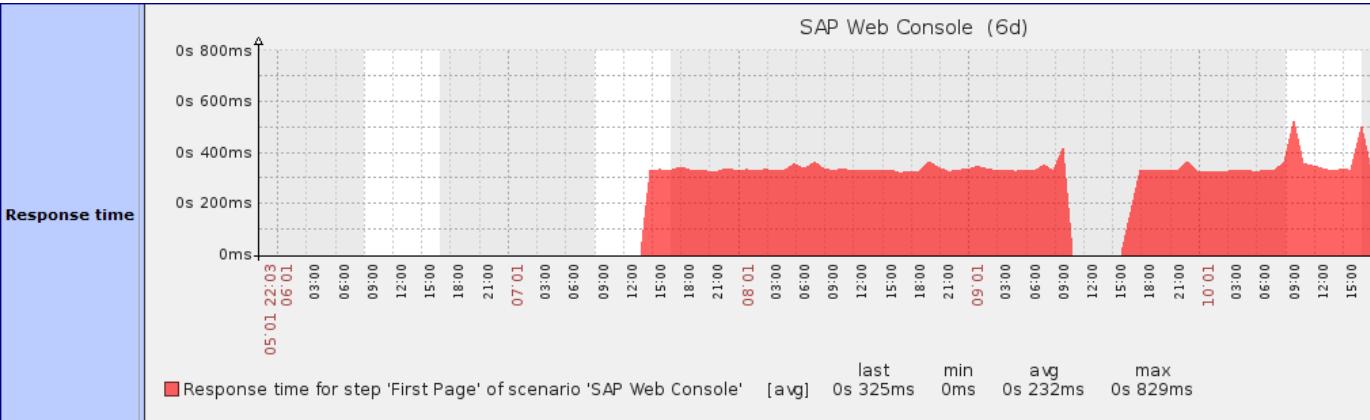
Hyperion
Red

Gráficos

Consumo de disco



Tiempo de respuesta Web





Estudio Fase II

-Alcance-



CheckList

Formación HD

Solución
recuperación

Solución
upgrade

Worldwide

Estudio Fase II

Actualización constante

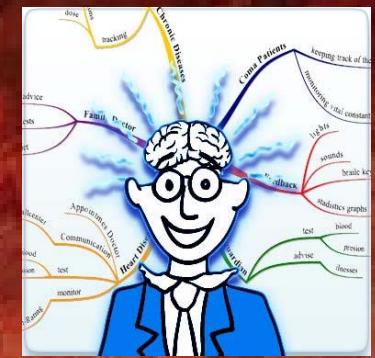
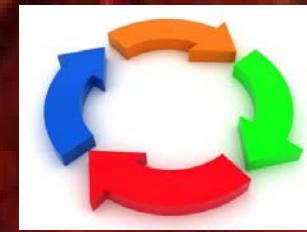
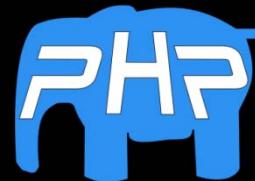


Recursos / Inversión



Inversión			
	Horas	Recursos	Estimación
Technical support	25€/hora		
Technical consultant	60€/hora		
Completar checklist diario	8	Technical consultant	480,00 €
Preparación formación(screens,doc, etc.)	5	Technical consultant	300,00 €
Formación HelpDesk	4	Technical consultant Technical support x5	740,00 €
Formación continuada	indeterminadas	Technical consultant Technical support	
Backup aplicativo	20	Technical consultant	1.200,00 €
Monitorización Servidores	20	Technical consultant	1.200,00 €
Monitorización red	40	Technical consultant	2.400,00 €
Avisos SMS (solucion actual)	5	Technical consultant	300,00 €
Avisos por SMS (solución final)	30	Technical consultant	1.800,00 €
Despliegue Worldwide	indeterminadas	Technical consultant	
Procedimiento de upgrade	15	Technical consultant	900,00 €
		TOTAL	9320

Conclusiones



atenea.colomerspain.local	505.23 MB	9.36 %	-	40.45 %	-	7.81 GB	-	-	-	-	-	-	
coav01.colomerspain.local	-	6.18 GB	24.75 %	-	-	-	24.99 GB	-	-	-	-	W	
cowsus01.colomerspain.local	15.37 GGb	16.46 GB	65.89 %	35.93 %	-	-	24.99 GB	-	-	-	-	W	
crmcommt.colomerspain.local	-	9.64 GB	64.31 %	-	-	-	14.99 GB	-	-	-	-	W	
crmrepop.colomerspain.local	-	15.94 GB	63.76 %	-	77.81 %	-	25 GB	-	-	-	-	W	
era-new.colomerspain.local	42.87 GGb	14.08 GB	56.34 %	99.83 %	-	-	24.99 GB	-	-	-	-	W	
fenix.colomerspain.local	-	60.3 GB	88.25 %	-	27.75 %	-	68.33 GB	-	-	-	-	W	
geminis.colomerspain.local	-	1.54 GB	29.44 %	-	25.71 %	-	5.24 GB	-	-	-	-	W	
hds.colomerspain.local	6.6 GGb	1.57 GB	19.69 %	40.98 %	-	-	7.99 GB	-	-	-	-	W	
hercules.colomerspain.local	5.81 GGb	2.13 GB	14.19 %	54.12 %	-	-	14.99 GB	-	-	-	-	W	
hermesn.colomerspain.local	-	21.15 GB	72.21 %	-	77.99 %	-	29.29 GB	-	-	-	-	W	
hipocrates.colomerspain.local	-	17.39 GB	59.36 %	-	87.41 %	-	29.3 GB	-	-	-	-	W	
hypcitrix.colomerspain.local	-	-	-	-	23.69 %	86.39 %	-	14.99 GB	-	-	-	W	
libra.colomerspain.local	-	8.68 GB	57.88 %	-	-	-	14.99 GB	-	-	-	-	W	
mailbcn_black.colomerspain.local	9.69 GGb	15.68 GB	62.73 %	11.29 %	-	-	24.99 GB	-	-	-	-	W	
meetingbcn.thecolomergroup.com	-	132.72 GB	84.11 %	-	-	-	157.8 GB	-	-	-	-	W	
minerva.colomerspain.local	-	414.53 MB	5.18 %	✓	-	59.49 %	-	7.81 GB	-	-	-	-	W
monitor.colomerspain.local	16.96 GGb	4.74 GB	29.62 %	71.78 %	-	-	16 GB	-	-	-	-	W	
nexus1.colomerspain.local	-	1.81 GB	23.23 %	-	97.53 %	-	7.81 GB	-	-	-	-	W	
orion.colomerspain.local	-	2.2 GB	22.03 %	-	-	-	9.99 GB	-	-	-	-	W	
paperiqp.colomerspain.local	9.28 GGb	8.92 GB	35.7 %	57.62 %	-	-	24.99 GB	-	-	-	-	W	
pluton.colomerspain.local	-	7.66 GB	51.08 %	-	1.44 %	-	14.99 GB	-	-	-	-	W	
proxy.colomerspain.local	-	7.66 GB	38.27 %	-	-	-	20.01 GB	-	-	-	-	W	
srv-atlas.atlaswin.colomerspain.local	14.74 GGb	1.88 GB	24.06 %	20.58 %	-	-	7.81 GB	-	-	-	-	W	
ssm.colomerspain.local	4.29 GGb	6.66 GB	44.46 %	79.93 %	82.03 %	-	14.99 GB	-	-	-	-	W	
tauro.colomerspain.local	2.67 GGb	323.2 MB	6.5 %	✓	20.65 %	-	-	4.85 GB	-	-	-	W	
tcfgi.thecolomergroup.com	-	6.05 GB	40.35 %	-	-	-	14.99 GB	-	-	-	-	W	
tormrepo.colomerspain.local	-	4.76 GB	47.62 %	-	82.52 %	-	9.99 GB	-	-	-	-	W	
trexp.colomerspain.local	-	17.09 GB	68.4 %	-	97.6 %	-	24.99 GB	-	-	-	-	W	
venus.colomerspain.local	-	1.95 GB	33.28 %	-	70.03 %	-	5.86 GB	-	-	-	-	W	
vulcano.colomerspain.local	-	1.46 GB	1.08 %	✓	-	-	-	135.66 GB	-	-	-	-	W
zeus.colomerspain.local	127.3 GGb	6.75 GB	45.01 %	11.86 %	-	-	14.99 GB	-	-	-	-	W	

Pruebas

realizadas

Projecto Final de Carrera

GNU GPL

Enginyeria Tècnica Informàtica Sistemes
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2006/07-1 # 2010/11-1

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