

Check-MK

Pour les centraliser tous



Check-MK

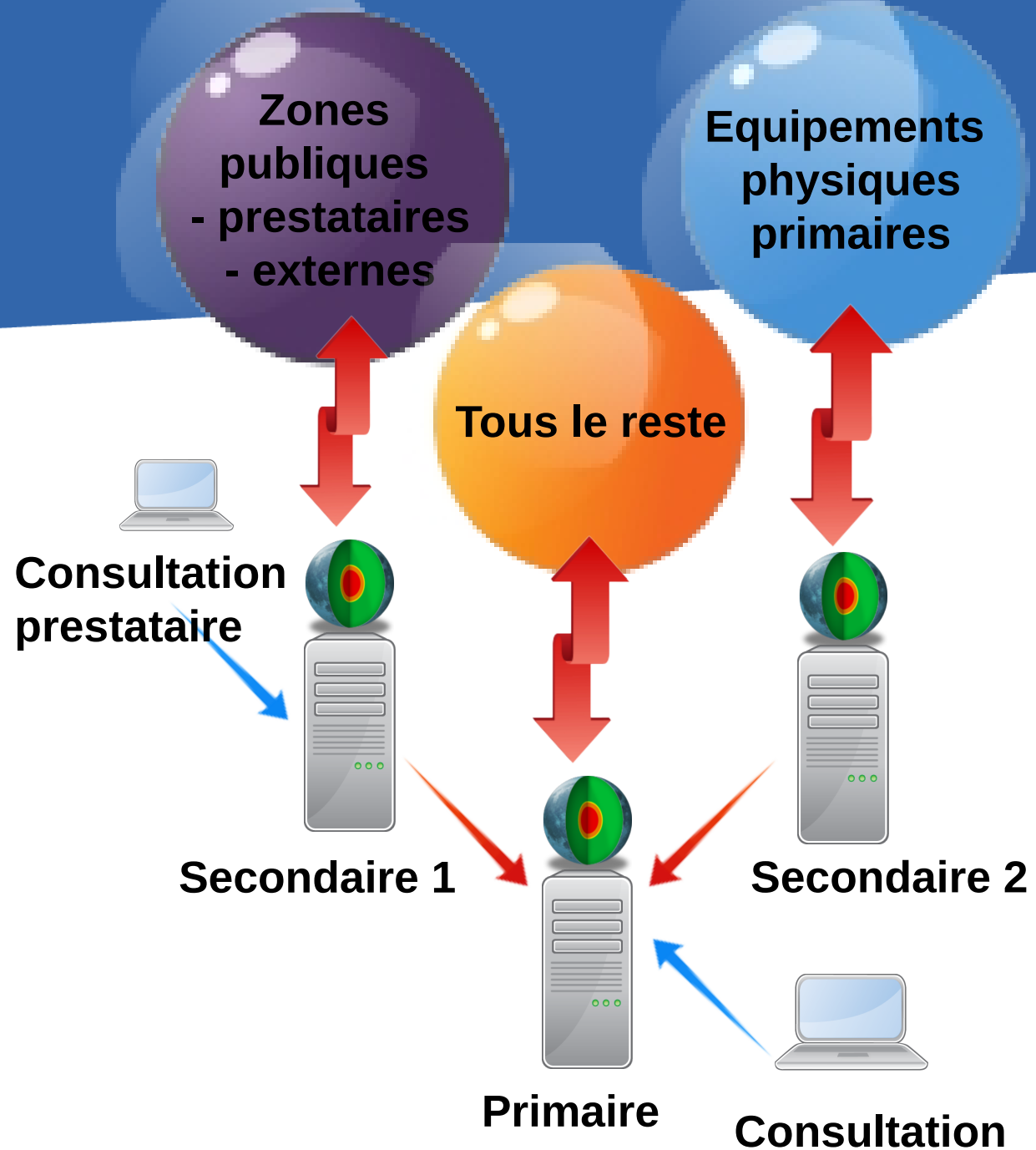
Présentation

- Outil de supervision de l'infrastructure
- Basé sur Nagios

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Infrastructure

- 420 équipements
- 22 000 services



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La permanence

- La permanence ne peut pas être...

Service Problems (unhandled)			Events of recent 4 hours			
State	Host	Service		Time	Host	Service
CRIT	██████████-tlse3.fr	Log System				WAF pha poe WAF resp 305
CRIT	██████████.private.univ-tlse3.fr	Filesystem /vol/vol_cl1_ds3/.snapsh	🔊	38.9 s	██████████-tlse3.fr	Switch ██████████ d-2520g-24-poe.univ-tlse3.fr
CRIT	██████████.private.univ-tlse3.fr	Filesystem /vol/vol_cl2_ds1/.snapsh				WAF pha poe WAF resp 305
CRIT	██████████.private.univ-tlse3.fr	Filesystem /vol/vol_cl2_ds3/.snapsh	⚠	38.9 s	██████████-tlse3.fr	Switch ██████████ d-2520g-24-poe.univ-tlse3.fr
CRIT	██████████.private.univ-tlse3.fr	Filesystem /vol/vol_cl3_ds1/.snapsh				OK - a3-É OK : 16.
CRIT	██████████.private.univ-tlse3.fr	Filesystem aggr0_rootvol_cl1_cube	🔊	38.9 s	██████████-tlse3.fr	Switch ██████████ a3-5130.univ-tlse3.fr
CRIT	██████████.private.univ-tlse3.fr	Filesystem aggr0_rootvol_cl2_cube	🟢	38.9 s	██████████-tlse3.fr	Switch ██████████ a3-5130.univ-tlse3.fr
CRIT	██████████.private.univ-tlse3.fr	Filesystem aggr0_rootvol_cl3_cube				OK - a3-É OK : 16.
CRIT	██████████.private.univ-tlse3.fr	Filesystem aggr0_rootvol_cl4_cube	🔊	136 s	██████████.private.univ-tlse3.fr	OK - 0.69
CRIT	██████████.private.univ-tlse3.fr	Log Application	🟢	136 s	██████████.private.univ-tlse3.fr	OK -

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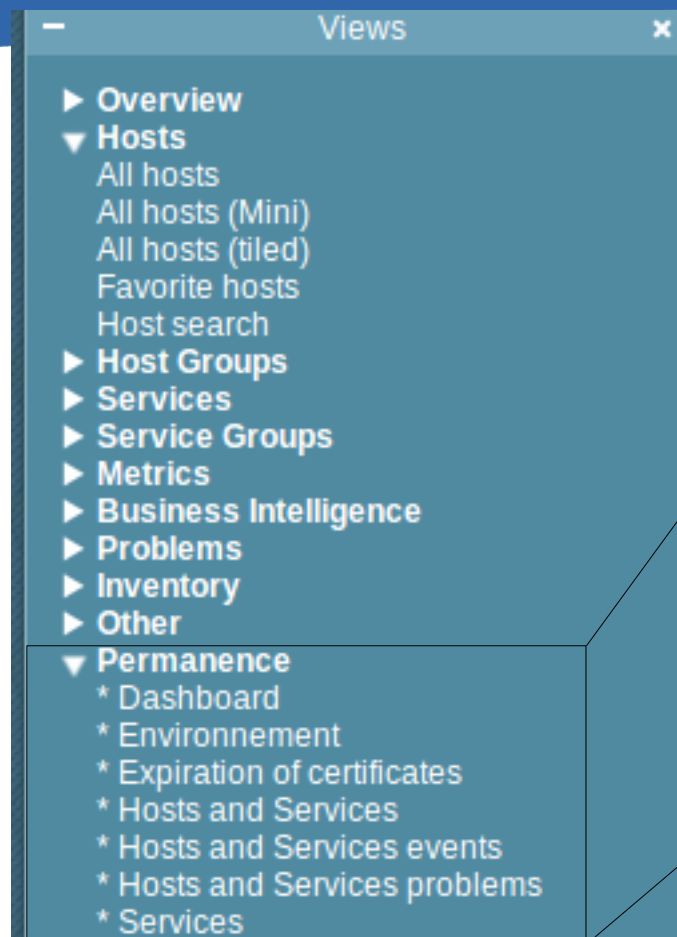
La permanence

- La permanence doit être...

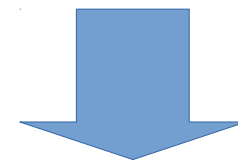
Host Problems				
state	Host	Icons	Age	Status detail
Services Problems				

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Elements de permanence



- ▼ Permanence
 - * Dashboard
 - * Environnement
 - * Expiration of certificates
 - * Hosts and Services
 - * Hosts and Services events
 - * Hosts and Services problems
 - * Services



TAG Permanence pour les machines de production !

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Elements de permanence : surveillance

- Quels éléments pour la permanence ?
 - Machines de productions
 - Equipements physiques (switch, idrac, onduleurs, ..)
 - Services pertinents
- Quels éléments à enlever ?
 - Machines de de tests, de pré-productions
 - Services non pertinents (logs windows, updates)

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Elements de permanence : global

Host Problems

state	Host	Icons	Age	Status detail
DOWN	[REDACTED].private.univ-tlse3.fr		16 m	CRITICAL - [REDACTED] rta nan, lost 100%

Services Problems

infra2_ut3, [REDACTED].private.univ-tlse3.fr

State	Service	Icons	Age	Checked
WARN	Check_MK Discovery		33 m	199 s

infra2_ut3, [REDACTED].private.univ-tlse3.fr

State	Service	Icons	Age	Checked
WARN	VM [REDACTED].private.univ-tlse3.fr		47 m	184 s

infra_ut3, [REDACTED].se.fr

State	Service	Icons	Age	Checked
WARN	System Time		13 m	181 s

infra_ut3, [REDACTED].private.univ-tlse3.fr

State	Service	Icons	Age	Checked
CRIT	Check_MK		13 m	216 s
WARN	ESX Heartbeat		40 m	186 s

infra_ut3, [REDACTED].univ-tlse3.fr

State	Service	Icons	Age	Checked
UNKN	File /root/dead.letter		16 m	66 s

infra_ut3, [REDACTED].univ-tlse3.fr

State	Service	Icons	Age	Checked
UNKN	File /root/dead.letter		14 m	97 s

infra_ut3, [REDACTED].univ-tlse3.fr

State	Service	Icons	Age	Checked
UNKN	File /root/dead.letter		14 m	236 s






infra_ut3, [REDACTED].univ-tlse3.fr

State	Service	Icons	Age	Checked
WARN	VM [REDACTED].private.univ-tlse3.fr		45 m	199 s


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Elements de permanence : environnement





* Environnement -- Temperature -- Electricite -- | ^ ... 85 rows

    3 90s  



infra2_ut3, [REDACTED] private.univ-tlse3.fr

State	Service	Icons	Age	Checked
OK	Temperature System Board Exhaust	 	2018-04-12 16:02:56	4 m
OK	Temperature System Board Inlet	 	2018-04-12 16:02:56	4 m





















infra2_ut3, [REDACTED] private.univ-tlse3.fr

State	Service	Icons	Age	Checked
OK	Temperature System Board Exhaust	 	2018-04-13 08:10:50	4 m
OK	Temperature System Board Inlet	 	2018-04-13 08:10:50	4 m

infra2_ut3, [REDACTED] private.univ-tlse3.fr

State	Service	Icons	Age	Checked
OK	Temperature System Board Inlet	 	2018-04-13 09:41:20	228 s

infra2_ut3, [REDACTED] 3.fr

State	Service	Icons	Age	Checked
OK	Battery capacity	 	2018-04-13 09:48:50	218 s
OK	IN voltage phase 1	 	2018-04-13 09:48:50	218 s
OK	IN voltage phase 2	 	2018-04-13 09:48:50	218 s
OK	IN voltage phase 3	 	2018-04-13 09:48:50	218 s
OK	OUT load phase 1	 	2018-04-13 09:48:50	218 s
OK	OUT load phase 2	 	2018-04-13 09:48:50	218 s
OK	OUT load phase 3	 	2018-04-13 09:48:50	218 s
OK	OUT voltage phase 1	 	2018-04-13 09:48:50	218 s
OK	OUT voltage phase 2	 	2018-04-13 09:48:50	218 s
OK	OUT voltage phase 3	 	2018-04-13 09:48:50	218 s

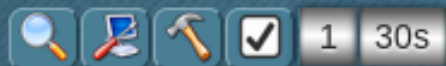
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Elements de permanence : certificats

* Expiration of certificates HTTP Certificat













4 rows

15:55



Edit View

Availability

State	Host	Service	Icons	Status detail	Age
CRIT	[REDACTED]univ-tlse3.fr	HTTP Certificat HTTPS 443	  	CRITICAL - Certificate [REDACTED] fr' expired on Sat Feb 20 23:59:59 2016 +0000.	2017-10-23 18:58:04
CRIT	[REDACTED]univ-tlse3.fr	HTTP Certificat HTTPS 443	  	CRITICAL - Certificate [REDACTED] tlse3.fr' expires in 4 day(s) (Thu Jun 28 23:59:59 2018 +0000).	2018-06-18 19:24:12
CRIT	[REDACTED]	HTTP certificat_ssl_wildcard_lifou	  	CRITICAL - Socket timeout after 10 seconds	22 m
WARN	[REDACTED]e.univ-tlse3.fr	HTTP Certificat HTTPS 443	  	WARNING - Certificate [REDACTED] tlse3.fr' expires in 16 day(s) (Tue Jul 10 23:59:59 2018 +0000).	2018-05-26 19:24:12

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Virtualisation : VMware

- Remontées d'information VMware pour chaque VM

OK	ESX CPU		OK - demand is 0.239 Ghz, 8 virtual CPUs
OK	ESX Datastores		OK - Stored on [REDACTED]_ds2_platinum (4.75 TB/39.5% free)
OK	ESX Guest Tools		OK - VMware Tools are installed, but are not managed by VMWare
OK	ESX Heartbeat		OK - Heartbeat status is green
OK	ESX Hostsystem		OK - Running on [REDACTED].private.univ-tlse3.fr
OK	ESX Memory		OK - Host: 23.72 GB, Guest: 1.20 GB, Ballooned: 0.00 B, Private: 23.57 GB, Shared: 442.00 MB
OK	ESX Name		OK - [REDACTED].private.univ-tlse3.fr
OK	ESX Snapshots		OK - No snapshots found





- Liste des Vms vu par le Vcenter ou les ESX

OK	VM [REDACTED].private.univ-tlse3.fr		OK - power state: poweredOn, running on [REDACTED].private.univ-tlse3.fr
OK	VM [REDACTED].private.univ-tlse3.fr		OK - power state: poweredOn, running on [REDACTED].private.univ-tlse3.fr
OK	VM [REDACTED].private.univ-tlse3.fr		OK - power state: poweredOn, running on [REDACTED].private.univ-tlse3.fr

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Virtualisation : Proxmox






- Remontées d'information de l'état du cluster



OK	PVE Cluster State		OK - Name: corosync_votequorum, Nodes: 7, No faults
OK	PVE Node [REDACTED]		OK - ID: 7, Votes: 1
OK	PVE Node [REDACTED] 1 local		OK - ID: 1, Votes: 1
OK	PVE Node [REDACTED] 2		OK - ID: 2, Votes: 1

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Stockage : Ceph

- Remontées d'information de l'état des OSD





OK	Ceph OSD 0		OK - 1.56% used (58.24 GB of 3.64 TB), trend: -9.85 MB / 24 hours, Apply Latency: 0ms, Commit Latency: 0ms	2018-05-18 11:30:02	114 s	1.56%
OK	Ceph OSD 1		OK - 1.47% used (54.96 GB of 3.64 TB), trend: -6.83 MB / 24 hours, Apply Latency: 0ms, Commit Latency: 0ms	2018-05-18 11:30:02	114 s	1.47%
OK	Ceph OSD 2		OK - 1.46% used (54.22 GB of 3.64 TB), trend: -8.30 MB / 24 hours, Apply Latency: 0ms, Commit Latency: 0ms	2018-05-18 11:30:02	114 s	1.46%
OK	Ceph OSD 3		OK - 1.37% used (51.04 GB of 3.64 TB), trend: -8.71 MB / 24 hours, Apply Latency: 0ms, Commit Latency: 0ms	2018-05-18 11:30:02	114 s	1.37%
OK	Ceph OSD 4		OK - 1.31% used (48.83 GB of 3.64 TB), trend: -6.86 MB / 24 hours, Apply Latency: 0ms, Commit Latency: 0ms	2018-05-18 11:30:02	114 s	1.31%

OK	Ceph Pool poolsmvirt		OK - 1.45% used (854.41 GB of 57.38 TB), trend: +879.10 MB / 24 hours, 219554 Objects, IO: 0.00 Read IOPS, 7.94 Write IOPS, 0.00 B/s read, 315.53 kB/s written	2018-04-24 10:33:07	76 s	1.45%
OK	Ceph Status		OK - Overall Health OK, 1.40% used (2.55 of 181.93 TB), trend: +2.57 GB / 24 hours, 219554 Objects, 1024 Placement Groups, 1 PGs in active+clean+scrubbing+deep, 1023 PGs in active+clean	2018-06-12 10:56:23	76 s	1.4%

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Stockage : NetApp

- Remontées d'information de l'état des volumes

OK	Filesystem /vol/vol_cl1_ds1		OK - 70.9% used (7.09 of 10.00 TB), trend: +127.79 GB / 24 hours
OK	Filesystem /vol/vol_cl1_ds2		OK - 66.3% used (3.32 of 5.00 TB), trend: +18.80 GB / 24 hours
OK	Filesystem /vol/vol_cl1_ds3		OK - 53.1% used (2.52 of 4.75 TB), trend: +30.58 GB / 24 hours
CRIT	Filesystem /vol/vol_cl1_ds3/.snapshot		CRIT - 488.3% used (1.22 TB of 256.00 GB), (warn/crit at 80.00/90.00%), trend: +30.31 GB / 24 hours

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Bilan

Est ce l'anneau unique pour les centraliser tous ?



On s'en rapproche ;-)