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m-Dokume	https://www.ve	ea	https://www.veea	https://wv	vw.veea	https://www.veea	https://www.vee
NETSNMPD			Title	Version	Teaser		
OpenLDAP							
OracleJRE6							
OracleJRE7							
• OracleJRE8			FaJoClamAV	1.00.00	This mo	dule provides ClamAV as	an alternative to the Th
Perl514				03.01.2016	maliciou	us threats. It is the de fac	to standard for mail gate
PHP53					intellige	nt tool for automatic sign	ature updates. The core
PHP54							
Python2							
PHPExtensions							
Python3		(FaJoCron	1.02. 00	This mo	dule implements a CRON	I daemon for use by ad
RPCSTATD				06.06.2014	oombin	ation of CRON and Anac	ron to provide different
rSvslog					(comma	ands or shell scripts) to ru	in periodically at certain
SQUID3							
TonidoServor							
ZonoMinder				1 04 04	This me	dula implementa a DUC	Conver utilizing ISC - F
Zoneiviinder			rajodhurserver	03 06 2013	network	t is a reference implement	entation of those protoc
X86Base				00.00.2010	notwon		ontation of those protot
necus ® Patches							
hecus ® Firmware	e						
Galleries			FaJoDNSServer	1.05.01	This mo	dule implements a DNS	server utilizing ISC's BI
lew Zealand 2000				03.06.2013	organiza	ations can build distribute	ed computing systems v
Language	s						
	•						
English			Ea loNetATalk	1 03 00	This mo	dule integrates Netatalk	2.2.3 into the v2 x firmu
Deutsch			FaJONELATAIK	16 08 2012	part of t	the regular firmware but r	ather "overlays" parts o
				10.00.2012	partori		
Advertising	g		FaJoNTPServer	1.03.00	This mo	dule implements a NTP s	server utilizing ISC's NT
				01.11.2015	openly i	redistributable reference	mplementation of the s
adconce	eption				outer sp	bace, providing a robust a	and stable platform on t
Marketin	igberatung &						
i interims	management						
			FaloSSHD	1 09 02	this mo	dule implements an Ope	nSSH server and provic
User login	1	(1 40000110	29.11.2015	piodule	OpenSSH is a FREE vers	sion of the SSH connec
					eavesd	ropping, connection hijac	king, and other attacks.
Username:	*						
Password:	•		FaJoTorrent	2.01.00	This mo	dule implements a multiu	user BitTorrent client util
				20.06.2013	RTORR	ENT module.rTorrent is a	BitTorrent client using I
Remember	r me				is able t	to seed at 3 times the spe	eed of the official client.
Log in							
Request new pa	assword						
			FreeRadius	1.00.00	This mo	dule implements a radius	s server utilizing FreeRa

Tested machines:

Preparation

Thecus NAS 7700 Pro v2 - OS 2.06.03.v2 (64bit)

Thecus TopTower N8850 - OS 2.06.03.1 (64bit)

Download modules

http://www.fajo.de/main/en/thecus/ modules/fajosshd http://www.fajo.de/main/en/thecus/ modules/fajocron

Startseite > Anwendungsserver > App installation

duldate	ei:	C:\fakepath\FaJoCron-1.02.00.mod							
Modul	verwaltu	ng							
Akti	Тур	Name	Version	Beschreibung	Letzter Status	Akti	on	Bei Anmeld	
No	Admin	APCUPSD	1.07.00	APC UPS moni	(i)		×		
No	Admin	FaJoNTPServer	1.03.00	NTP (Time) S	٠		×		
No	Admin	ModBase1	1.04.01	Base module (٠		×		
No	System	Web Server	1.00.08.[2	Webserver	٠		×		
Yes	System	WebDisk	2.00.05	Default Port:1	٠		×		
No	User	Local Display	3.02.10_x64	Local Display	۵		×		

- Beschreibung

Additional apps available in our App Center: http://www.thecus.com/sp_app_center.php

erver > A	pp installation					/er > Aj	pp installation			
akepath\Fa	JoCron-1.02.00.mod					:path\Fa	JoSSHD-1.09.02.mod			
IPSD NTPServer 3ase1	Version 1.07.00 1.03.00 App installieren/dein	Beschreibung APC UPS moni NTP (Time) S stallieren _{nodule} (Letzter Status	Akti	on × × ×	D ² Server	Version 1.07.00 1.03.00	Beschreibung APC UPS moni NTP (Time) S	Letzter Status	Ak
Server Display Cron	App installieren/deinstallieren Appname: [FaJoCron] App version: [1.02.00] 2020/06/27 13:17:44: App wird installiert 2020/06/27 13:17:44: Creating module directories 2020/06/27 13:17:44: Copying files 2020/06/27 13:17:44: Creating module start script link 2020/06/27 13:17:44: Creating working the start script link 2020/06/27 13:17:44: Creating working the start script link 2020/06/27 13:17:44: App erfolgreich installiert. 2020/06/27 13:17:44: App erfolgreich installiert.				e1 ver splay n ID	App installeren/dein App version: [1.09.02] 2020/06/27 13:18:40: / 2020/06/27 13:18:41: (2020/06/27 13:18:41: /	App wird installiert Creating module dire Copying files Copying license file Creating module star Creating version file . Restoring backup file Creating parchitecture Jpdating permissions Creating sym links App erfolgreich instal	ctories t script link s links for 'x86_64 ; liert.	4'	

Install modules

Unzip all modules, upload them on ThecusOS[™] and start FaJoCron and FaJoSSH services

tartseite > Anwendungsserver > App installation Moduldatei: C:\fakepath\FaJoSSHD-1.09.02.mod Modulverwaltung Letzter Status Aktion Version Beschreibung Bei Anmeld .. Akti... Typ Name 1.07.00 No Admin APCUPSD APC UPS moni... X ٢ FaJoNTPServer 1.03.00 ١ No Admin NTP (Time) S... X Admin ModBase1 1.04.01 Base module (... ١ X No Web Server 1.00.08.[2.... Webserver (i) X No System Yes System **WebDisk** 2.00.05 Default Port:1... ١ **X** Local Display 3.02.10_x64 Local Display ... × No User ١ Yes 1.02.00 CRON/ANACR ... (i) Admin **FaJoCron** X FaJoSSHD 1.09.02 **OpenSSH Server** (i) Yes Admin X

-Beschreibung-

×

Additional apps available in our App Center: http://www.thecus.com/sp_app_center.php

 Image: Solution in the second seco

List only health, temperature, drive, lowest health on top, drives without temperature information (for example card readers) removed: hdsentinel -solid | awk '{print \$3, \$2, \$1}' | grep -v "^?" | sort -n

3 42 /dev/sda 100 30 /dev/sdb 100 46 /dev/sdc

Note that the spaces in hard disk model ID and serial number are replaced with underscore (_).

If you have any ideas, thoughts about the automatic processing of output or if you have complete script(s) you want to share with other users, plea will be published on this page with the name and credits of the sender of the script.

Download Hard Disk Sentinel Linux

Hard Disk Sentinel 32-bit Linux console version - executable, gzip-compressed

Hard Disk Sentinel 64-bit Linux console version - executable, gzip-compressed

Hard Disk Sentinel Linux console version for Raspberry PI (ARM CPU) - executable, gzip-compressed

Hard Disk Sentinel Linux console version for NAS boxes (ARMv5 CPU) - executable, non-compressed (see notes below)

Compatibility

Kernel support is required to detect and display information about SATA hard disks. This version was successfully tested under the following syste

- blackPanther OS v16.2 SE
- CentOS 5, 6 and newer
- Fedora 5, 6, 7, 8, 9, 10, 15 and newer
- Ubuntu 8.04 server kernel 2.6.24-16-server, 9.04
- Kubuntu 8.04
- Xubuntu 8.04

HDsentinal-Linux	tordner
★ <	NFS (Network Filesystem)
 HDsentinel Thecus hdsentinel-018c-x64 hdsentinel-018c-x64.gz 	
	Ordner hinzufüs RAID-ID: Ordnername: Öffentlich: Maximale Ordu Anwenden

	_	
NFS (Network Filesystem) 🛛 🖏 Samba/S	SMB	appschuss 🛅 A
Kontingentlimit	RAID-ID	Dateisyst
	RAID6	ext4
Ordner binzufügen	RAID6	ext4
ordiner himzurugen	DAIDE	outA
RAID-ID:	RAID6	
Ordnername:	HardDisk-Se	ntinel-7700
Öffentlich:	Yes	🔘 No
Maximale Ordnergröße:	0	GB
Anwenden		
	RAID6	ext4
	RAID6	ext4
	DAIDE	ovt4
	RAILIN	exi4

Downloads/Folder

https://www.hdsentinel.com/ hard_disk_sentinel_linux.php

Download from Hard Disk Sentinal Homepage the linux 64bit-Version und unzip it on Mac/Win

Hard Disk Sentinel 64-bit Linux console version (executable, gzip-compressed)

Create a new public-folder on ThecusOS™, e.g. HardDisk-Sentinel-7700

~ — ssh -p 10022 root@192 Last login: Sat Jun 27 10:58:06 on ttys001 [patric@Patrics-MacBook-Pro ~ % ssh -p 10022 root@192. The authenticity of host '[192. :10022 ([192.]:10022)' can't be established. ECDSA key fingerprint is SHA256: Are you sure you want to continue connecting (yes/no/[tingerprint])? yes 1:10022' (ECDSA) to the list of known hosts. Warning: Permanently added '[192.] root@192. 's password: Note: Please do not delete or modify any files or folders or it may result in system operation abnormal. [N7700PROv2:~# cat /etc/samba/smb.conf [global] server string = %h deadtime = 15 hide unreadable = yes load printers = no log file = /opt/samba/var/log/samba.%m log level = 0

max log size = 50

[HardDisk-Sentinel-7700] comment = browseable = yes guest only = yes path = /raid0/data/HardDisk-Sentinel-7700 map hidden = no store dos attributes = yes read only = no map acl inherit = yes inherit acls = yes create mask = 0777 force create mode = 0000 inherit permissions = yes map archive = yes [NAS Recycle RAID6] admin users = admin comment = browseable = no guest only = no path = /raid0/data/ NAS Recycle RAID6 map acl inherit = yes inherit acls = yes read only = no create mask = 0777force create mode = 0000 inherit permissions = Yes map archive = no store dos attributes = yes strict allocate = yes [map hidden = noN7700PROv2:~# ls [N7700PROv2:~# cd /raid0/data/HardDisk-Sentinel-7700 N7700PROv2:/raid0/data/HardDisk-Sentinel-7700#

Terminal SSH

Terminal SSH: FaJoOpenSSH uses port 10022 ssh -p 10022 <u>root@192.xxx.xxx.xxx</u> password is the same as the Adminpassword from ThecusOS™

Look in the directory of the ThecusOS[™] NAS: cat /etc/samba/smb.conf

The choosen folder must be browseable = yes

Change to these directory cd /raid0/data/HardDisk-Sentinel-7700



Terminal SCP

[map hidden = noN7700PROv2:~# ls [N7700PROv2:~# cd /raid0/data/HardDisk-Sentinel-7700 N7700PROv2:/raid0/data/HardDisk-Sentinel-7700# ls [hdsentinel-018c-x64 [N7700PROv2:/raid0/data/HardDisk-Sentinel-7700# chmod 755 hdsentinel-018c-x64 N7700PROv2:/raid0/data/HardDisk-Sentinel-7700#

> Upload the unzipped linux package: scp -P 10022 /...path_to_file.../ hdsentinel-018c-x64 root@192.xxx.xxx:/raid0/data/ HardDisk-Sentinel-7700

Change user rights: chmod 755 hdsentinel-018c-x64

Module: FaJoCron - CRON/ANACRON daemon

nformation

atus : running

Edit Crontab

Π #-	$\frac{1}{2}$
π	
#	nour (0 - 23)
#	day of month (1 - 31)
#	month (1 - 12) OR jan,feb,mar,apr
#	day of week (0 - 6) (Sunday=0 or 7) OR sun,mon,tue,wed,t.
#	
#	* * * * * user-name command to be executed
*,	<pre>/10 * * * * root /raid0/data/HardDisk-Sentinel-8850/hdsentinel-018c-x6</pre>

Apply

Documentation: Crontab Format

Tools

nasentinel-018C-X64

[N7700PR0v2:/raid0/data/HardDisk-Sentinel-7700# chmod 755 hdsentinel-018c-x64
[N7700PR0v2:/raid0/data/HardDisk-Sentinel-7700# ./hdsentinel-018c-x64
Hard Disk Sentinel for LINUX console 0.18c.8675 (c) 2019 info@hdsentinel.com
Start with -r [reportfile] to save data to report, -h for help

Examining hard disk configuration ...

```
HDD Device 0: /dev/sda
HDD Model ID : WDC WD2003FYYS-02W0B1
HDD Serial No: WD-WMAY05234304
HDD Revision : 01.01D02
HDD Size
             : 1907729 MB
Interface
             : S-ATA II
Temperature : 53 °C
Highest Temp.: 60 °C
Health
             : 100 %
Performance : 100 %
Power on time: 793 days, 5 hours
Est. lifetime: more than 1000 days
  The hard disk status is PERFECT. Problematic or weak sectors were not found a
   No actions needed.
```

```
HDD Device 1: /dev/sdb
HDD Model ID : WDC WD2002FYPS-02W3B0
HDD Serial No: WD-WCAVY6762372
HDD Revision : 04.01G01
HDD Size : 1907729 MB
Interface : S-ATA II
Temperature : 48 °C
```

Crontab

Start crontab services: In ThecusOS™ App Menu click on FaJoCron

Run the Hard Disk Sentinel services every 10min: */10 * * * * root /raid0/data/HardDisk-Sentinel-8850/ hdsentinel-018c-x64 -r /raid0/data/HardDisk-Selntinel-8850/hdsreport.html -html

For testing, start the service manual, and control output in the terminal:

./hdsentinel-018c-x64

loduidate	91:							
Modul	verwaltu	ing						
Akti	Тур	Name	Version	Beschreibung	Letzter Stat	Akti	on	Bei An
No	User	Local Display	3.02.10_x64	Local Display	۵		×	
No	Admin	APCUPSD	1.07.00	APC UPS moni	(i)		×	
No	User	MySQL_5	1.0.2	MySQL_5 desc	(i)		×	
No	User	Mail Server	2.00.02	Mail Server	(I)		×	V
No	Admin	FaJoNTPServer	1.03.00	NTP (Time) S	۵		×	
Yes	System	WebDisk	2.00.05	Default Port:1	۵		×	
Yes	Admin	FaJoCron	1.02.00	CRON/ANACR	۵		×	
Yes	Admin	FaJoSSHD	1.09.02	OpenSSH Server	۵		×	

Control html Output



Install WebDisk on ThecusOS[™] and login with your user credentials



Contraction in the local division of the loc

If the crontab services is running, you should see inside the folder hdsreport.html, updated every 10min, see the Date of created file

	Statusquelle(ii) zur beobachtung von Network Attacheu Storage	(INAS) Eddiwerken.								
_	Die Statusquelldateien enthalten den kompletten Status von Festplatten, SSDs, Massenspeichergeräten und Hard Disk Sentinel liest diese aus, um die dazugehörigen Laufwerke so anzuzeigen, als wären sie direkt verbunden.									
cl	Auf dem NAS-Gerät gespeicherte und aktualisierte Statusquellda Sentinel.	teien, erzeugt (beispielsweise) v	von der Linux-Version von Hard Disk							
	The Auto Detect function automatically detects possible Status S	ource files (HDSReport.html) o	n available network drives.							
	Weitere Informationen: How to: monitor Network Attached	Storage (NAS) status								
-	Statusquelle	Physikalische Laufwerke	Durchsuchen							
-		8								
-	HardDisk-Sentinel-7700\hdsreport.html	0	<u>U</u> RL hinzufügen							
-			<u>B</u> earbeiten							
1			Löschen							

Hard Disk Sentinel



The Auto Detect function automatically detects possible Status Source files (HDSReport.html) c

Weitere Informationen: How to: monitor Network Attached Storage (NAS) status

Statusquelle		Physikalische Laufwerke
** \\192	HardDisk-Sentinel-8850\hdsreport.html	8
T \\192.	\HardDisk-Sentinel-7700\hdsreport.html	7

Add html report with "add URL" e.g. \\192.xxx.xxx\HardDisk-Sentinel-7700\hdsreport.html

Now everything should works fine

Don't forget to setup Mailing & reports inside Hard Disk Sentinel!

If you see an error like "no connection", just add the Thecus NAS as true NAS in Windows, doesn't matter which folder