
Admin-Scout für Informix

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Agenda

- Idee zum Admin-Scout für Informix
- Komponenten und Aufbau
- Beispiele
- Live-Demo



■ Idee zum Admin-Scout für Informix?

- Fast 30 Jahre Administration mit
 - Skripten
 - Onstat etc.
 - OS Tools
 - SMI-API und OAT



- Herausforderungen:
 - Wie bringe ich die Auswertungen vernünftig zusammen?
 - Welche onstat-Kommandos brauche ich?
 - Welchen Einfluss gibt es durch OS und Hardware?

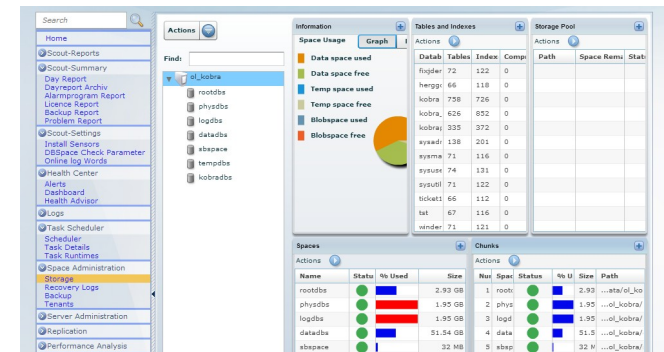
Unsere Ziele: Administration und Monitoring
- vereinfacht! – zentral! – anpassbar! – fokussiert!

■ Idee zum Admin-Scout für Informix?

- OAT und SMI
 - Administration und Monitoring ohne direktem Shell-Zugriff
 - ab Version 11.1

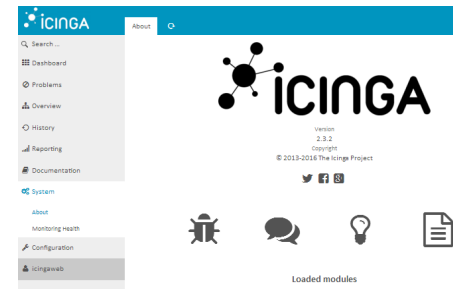
- Tasks - Sensoren
 - Eigene Sensoren möglich
 - Eigene Tasks – Scheduling in der DB

- OAT
 - Erweiterbar um eigene Plug-In
 - Grafische Darstellung



Komponenten und Aufbau

- Raspberry Pi – ARM-Architektur – Raspian Linux
- System-Monitoring mit Icinga2
- OAT – portiert auf ARM
- Admin-Scout Plug-In-Pakete
- Admin-Scout Konsole



Installation of Sensors						
CURSOR Admin Scout Sensor	Version on Scout	Status	installed Version	do nothing	install	update delete
Alerts for DBSPACE Full <small>This sensor/task generates alerts when a dbspace is near full. Yellow and red threshold can be changed in OAT Task details after installation of this sensor. At the menu item DBSpace chec parms you can set red and yellow values extra for every dbspace.</small>	1.5	Installed	1.5	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Collector for Virtual Processor time <small>collects process time of Virtual Processors</small>	1.1	Installed	1.1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Collector of number of backedup logs in time <small>collects number of logs written and backed up and send alerts when thresholds overrun</small>	1.1	Installed	1.1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Collector of number of logs written in interval <small>collects number of logs written and send alerts when thresholds overrun</small>	1.1	Installed	1.1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Collector of number of logs in one transaction <small>collects number of logs in one transaction and send alerts when thresholds overrun</small>	1.1	Installed	1.1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Collector for table extents <small>collects num of table extents, fires alerts</small>	1.0	Installed	1.0	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Collector for performance parameter <small>collects performance parameters, fires alerts</small>	1.0	Installed	1.0	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Checks wait time of user threads <small>checks wait time of user threads, fires alerts</small>	1.0	Installed	1.0	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Collector for table growth history <small>collects table growth parameters</small>	1.4	Installed	1.4	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Collector for table data <small>collects table data, fire alerts at to many pages per fragment</small>	1.4	Installed	1.4	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Collector for sessions with many locks <small>collects session data for sessions with many locks</small>	1.0	Installed	1.0	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Checks the online log file to key words and generates alarm <small>Checks the online log file to key words and generates alarm - There are no alarms, when the server is crashed.</small>	1.3	Installed	1.3	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
slow SQL-Statements <small>collects data about slow SQL-Statements</small>	1.4	Installed	1.4	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Configuration Sensor for alarmprogram and sysalarmprogram Plugin <small>Write a config-file to \$INFORMIXDIR/cursor with the address of the Cursor-Scout</small>	1.0	Installed	1.0	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>



- ▼ Scout-Reports
 - Scout Dashboard
- ▼ Storage
 - Storage
 - DBSpace Size History
 - Table Extents
 - Table Pages
 - Table Growth
 - Pending Alters
 - Top Table Overview
 - Table I/O Read
 - Table I/O Write
- ▼ Virt. Processor
 - Virtual Processor
- ▼ Memory
 - Memory
 - SQL Cache
- ▼ Session
 - Session
 - Slow Statement
 - Heavy Workload
- ▼ Other
 - Checkpoints
 - Logical Logs
 - Locks
- ▼ Scout-Summary
 - Day Report
 - Dayreport Archiv
 - Alarmprogram
 - Licence Usage
 - Backup Overview
- ▼ Scout-Settings
 - Install Sensors
 - DBSpace Check Parameter
 - Online log Words

Beispiele

Beispiele für flexible Konfiguration

Instance Job configuration

Informix-Instance	Icinga 2 - Monitoring	Send Dayreport	Dayreport Time	Dayreport onstat -z	delete Dayreport-Archiv after x days
ol_sam11@sam.nsi.de:1527:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="text" value="0"/> 'clock	<input type="checkbox"/>	<input type="text" value=""/>
ol_kronos@kronos.nsi.de:9088:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="text" value="0"/> 'clock	<input type="checkbox"/>	<input type="text" value=""/>
ol_kobra@kronos.nsi.de:9095:	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="text" value="10"/> 'clock	<input type="checkbox"/>	<input type="text" value="200"/>
ol_sauron@sauron.cursor.de:9088:	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="text" value="10"/> 'clock	<input checked="" type="checkbox"/>	<input type="text" value="100"/>

Alarm-Konfiguration für Server festlegen

Für Instanz:

Event Class	Event Message	Send Alarm E-Mail
1	Table failure: 'dbname:"owner".tablename'	<input checked="" type="checkbox"/>
2	Index failure: 'dbname:"owner".tablename:idxname'	<input checked="" type="checkbox"/>
2	Index failure: 'dbname:"owner".tablename:idxname'	<input checked="" type="checkbox"/>
3	Blob failure: 'dbname:"owner".tablename'	<input checked="" type="checkbox"/>
4	Chunk is offline, mirror is active: chunk_number	<input checked="" type="checkbox"/>
5	Dbspace is offline: 'dbspace_name'	<input checked="" type="checkbox"/>
6	Internal subsystem failure: 'message'	<input checked="" type="checkbox"/>
6	Generic event for when the database server implicitly raises an assert warning.	<input checked="" type="checkbox"/>
6	Generic event for when the database server implicitly raises an assert failure.	<input checked="" type="checkbox"/>

Edit check parameter for dbspace full task

cas_mon_dbspace_full - Monitor for dbspace_full - writes in 'sysadmin:cas_mon_dbspace_full'

- Use this parameter is on.
- Default threshold **red** is 5% free
- Default threshold **yellow** is 10% free
- Start time is 09:00:00
- Frequency is 1 00:00:00

cas_check_dbspace_full - Task for dbspace_full - fires alerts

- Use this parameter is on.
- Default threshold **red** is 5% free
- Default threshold **yellow** is 8% free
- Start time is 09:00:00
- Frequency is 0 00:05:00

dbspace	pagesize	size GB	free GB	free %	ignore	must have MegaByte free		must have percent free		change
						value red	value yellow	value red	value yellow	
datadbs	2048	54.043	27.701	51.3	<input type="checkbox"/>	<input type="text" value="2000"/>	<input type="text" value="4000"/>	<input type="text" value=""/>	<input type="text" value=""/>	<input type="button" value="Change"/>
kobradbs	2048	20	0.688	3.4	<input type="checkbox"/>	<input type="text" value=""/>	<input type="text" value=""/>	<input type="text" value=""/>	<input type="text" value=""/>	<input type="button" value="Change"/>
logdbs	2048	2.049	0.001	0	<input checked="" type="checkbox"/>	<input type="text" value=""/>	<input type="text" value=""/>	<input type="text" value=""/>	<input type="text" value=""/>	<input type="button" value="Change"/>
physdbs	2048	2.049	0.001	0	<input checked="" type="checkbox"/>	<input type="text" value=""/>	<input type="text" value=""/>	<input type="text" value=""/>	<input type="text" value=""/>	<input type="button" value="Change"/>
rootdbs	2048	3.072	1.391	45.3	<input type="checkbox"/>	<input type="text" value=""/>	<input type="text" value=""/>	<input type="text" value=""/>	<input type="text" value=""/>	<input type="button" value="Change"/>
sbspace	2048	0.033	0.002	5.1	<input checked="" type="checkbox"/>	<input type="text" value=""/>	<input type="text" value=""/>	<input type="text" value=""/>	<input type="text" value=""/>	<input type="button" value="Change"/>
tempdbs	2048	4.194	4.194	100	<input checked="" type="checkbox"/>	<input type="text" value=""/>	<input type="text" value=""/>	<input type="text" value=""/>	<input type="text" value=""/>	<input type="button" value="Change"/>

If all fields empty, the default values from sensor-settings are enabled. You can have a red and yellow alert for megabyte free or percent free. Is both set, only the megabyte value is used. The checkbox ignore says, the dbspace is not checked.

If you empty all fields and press change the default would be enabled.

Edit Search Words for Check Online log task

- The task/sensor is installed - Version 1.3

word	Signal Red	Signal Yellow	Signal Green	Action
<input type="text" value="err"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="button" value="Change"/>
<input type="text" value="failed"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="button" value="Change"/>
<input type="text" value="assert"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="button" value="Change"/>
<input type="text" value="stop"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="button" value="Change"/>
<input type="text" value="mode"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="button" value="Change"/>
<input type="text" value="stack"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="button" value="Change"/>
<input type="text" value="warning"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="button" value="Change"/>
<input type="text" value="shapi"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="button" value="Change"/>
<input type="text" value="load"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="button" value="Change"/>
<input type="text" value="unable"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="button" value="Change"/>
<input type="text" value="shared"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="button" value="Change"/>
<input type="text" value="added"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="button" value="Change"/>
<input type="text" value="archive"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="button" value="Change"/>
<input type="text" value=""/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="button" value="Add new"/>

If the word is empty, the change-button will delete the row!

If only green is checked, there is no email send for this alarm!

Beispiele

Beispiele für Reports (Dashboard)

Last Alerts - ol_kobra at Fri Jun 10 13:09:13 2016

RED YELLOW GREEN
 ERROR WARNING INFO
 NEW ADDRESSED ACKNOWLEDGED IGNORED
 [View](#)

Page 1 10 50 100 ALL

Severity	Alert Type	ID	Message	Time	Alert State	
●	⚠	7250	kobradbs has 3 % free capacity : size 20000000 kb,free 687956 kb	2016-06-10 11:05:00	NEW	Recheck Ignore
◆	⚠	7229	13:49:55 SCHAPI: Warning!!! dbWorker thread is cleaning up temp tables for task 57.	2016-06-09 13:53:44	NEW	Recheck Ignore
●	⚠	7227	kobradbs has 3 % free capacity : size 20000000 kb,free 689180 kb	2016-06-09 11:05:00	ADDRESSED	Recheck Ignore
◆	⚠	7183	17:31:02 Performance Advisory: Unable to extend bufferpool 2K. 17:31:02 Results: Bufferpool has reached the memory limit. 17:31:02 Action: Increase the amount of memory the bufferpool can utilize.	2016-06-07 17:33:44	NEW	Recheck Ignore
◆	⚠	7180	13:49:57 SCHAPI: Warning!!! dbWorker thread is cleaning up temp tables for task 57.	2016-06-07 13:53:44	NEW	Recheck Ignore
●	⚠	7173	10:58:53 Password Validation for user [informix] failed! 10:58:53 Check for password aging/account lock-out. 10:58:53 listener-thread: err = -952: oserr = 0: errstr = informix@tevos-r950.cursor.de: User (informix@tevos-r950.cursor.de)'s password is not correct for the database server.	2016-06-07 11:03:43	NEW	Recheck Ignore
◆	⚠	7152	17:06:03 Performance Advisory: Unable to extend bufferpool 2K. 17:06:03 Results: Bufferpool has reached the memory limit. 17:06:03 Action: Increase the amount of memory the bufferpool can utilize.	2016-06-06 17:08:44	NEW	Recheck Ignore
●	⚠	7145	16:08:09 Password Validation for user [informix] failed! 16:08:09 Check for password aging/account lock-out. 16:08:09 listener-thread: err = -952: oserr = 0: errstr = informix@tevos-r950.cursor.de: User (informix@tevos-r950.cursor.de)'s password is not correct for the database server.	2016-06-06 16:08:45	NEW	Recheck Ignore
●	✖	7139	Error [-3400] when removing outstanding in-place alters for: [kobra:informix.duss_kopf].	2016-06-06 14:54:50	NEW	Recheck Ignore

Report of ol_kobra at Fri Jun 10 13:09:13 2016

- Disk
- CPU
- Memory
- Sessions
- Log

Logical Log Space
 Physical Log Space

Beispiele

Beispiele für Reports (Day-Report; Storage-Report)

Serverinformationen of_kobra at Fri Jun 10 14:28:03 2016

Description	Value
Server	of_kobra on kronos.nsi.de port: 9095
Version	IBM Informix Dynamic Server Version 12.10.FC5W1WE
Server-Type	Standard
Server-Memory total/free	5.84 GB / 5.45 GB
Server-CPU-Cores total	2
Default page size	2048
Enterprise-replication	inactiv
Boottime	2016-05-17 08:50
Uptime	24 days 05:36
Max. Users	22
Session count	25

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- Sessions with many Locks

Alert information

Page 1

Alert-Object	Alert Groups	Color	Count
ALARM	YELLOW		6
DATABASE	YELLOW		3
DBSPACE	RED		1
SERVER	GREEN		2
SERVER	RED		1
SERVER	YELLOW		1

Storage Report

Order by I/O Time is

CURSOR-Scout sensor for monitoring is **On** and use of extended parameters is **On**.
 CURSOR-Scout task for size checking is **On** and use of extended parameters is **On**.

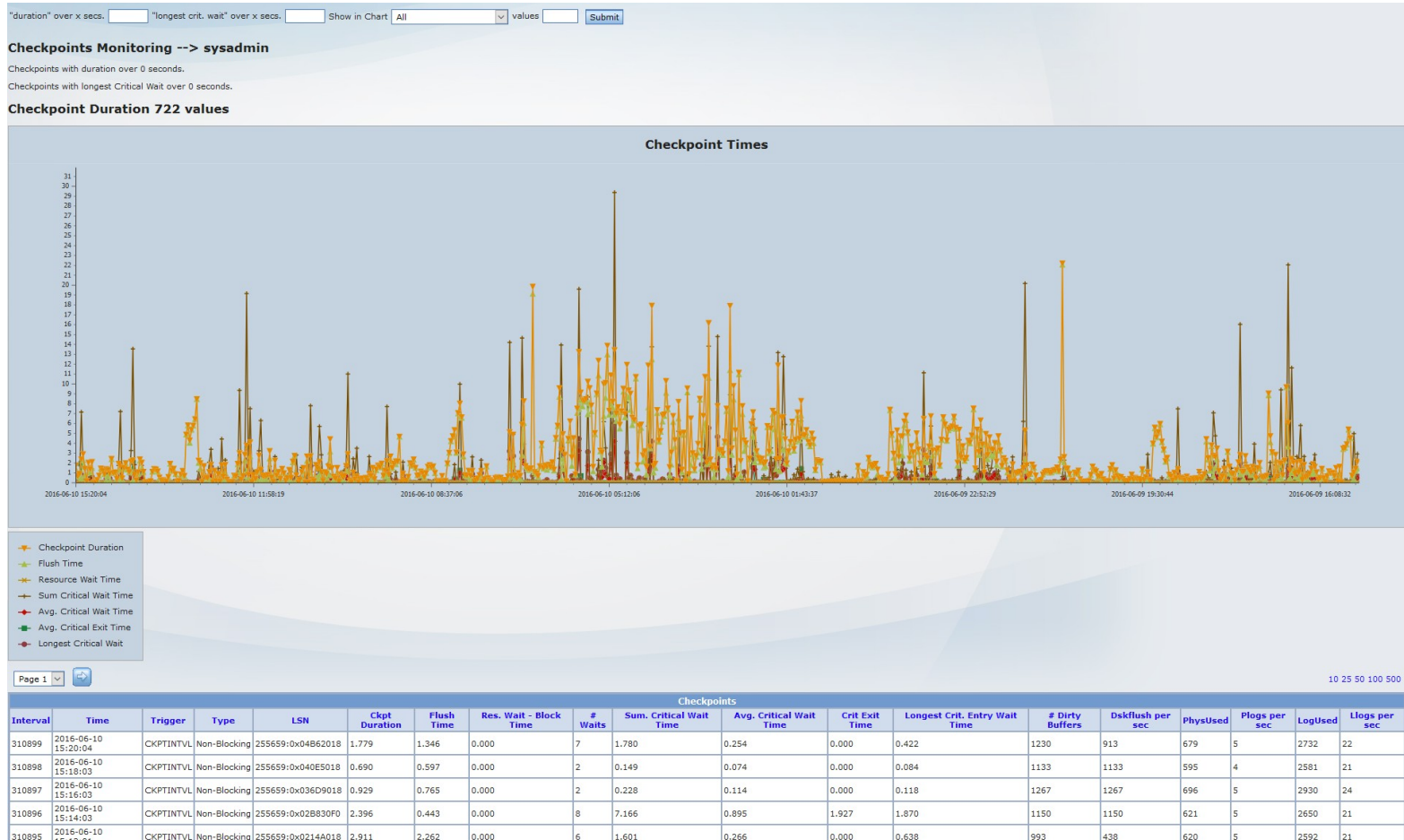
DBSpace data

dbspace	pagesize	type	size GB	free GB	free %	Read I/O time avg	Write I/O time avg	pages read	pages write	ignore	value red	value yellow	details
datadbs	2048	Data	54.043	27.701	51.3	0.00102	0.01059	163,049,047	2,025	<input type="checkbox"/>	2000MB	4000MB	
kobradbs	2048	Data	20	0.688	3.4	0.00093	0.01082	142,294,495	81,186	<input type="checkbox"/>	5%	8%	
logdbsLL	2048	Data	2.049	0.001	0	0.00043	0.00163	1,152,574	1,077,373	<input checked="" type="checkbox"/>			
physdbsPL	2048	Data	2.049	0.001	0	0.00041	0.00864	1,025,307	291,315	<input checked="" type="checkbox"/>			
rootdbsLL	2048	Data	3.072	1.391	45.3	0.00150	0.00330	16,171,296	337,384	<input type="checkbox"/>	5%	8%	
sbspace	2048	SBlob	0.033	0.002	5.1	0.00226	0.00000	4,198	0	<input checked="" type="checkbox"/>			
tempdbs	2048	Temp	4.194	4.194	100	0.00012	0.00320	71,316	1,996,907	<input checked="" type="checkbox"/>			

PL Physical Log is in this DBSpace.
 LL Logical Log is in this DBSpace.

Beispiele

Beispiele für Reports (Checkpoints inkl. Blocktimes)



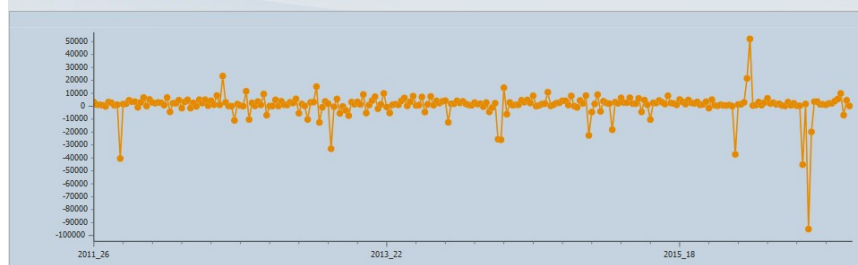
Beispiele

Beispiele für Reports (Ausschnitte aus Licence-Usage)

Max. Disk-Usage per week



Disk-Growth per week



Max. Server-Connection per week



Version installed - History

Page 1 10 25 50 100 500

Version Info			
Version	ab	bis	
12.10.FC4W1	2015_07	2016_24	
11.70.FC8	2014_20	2015_06	
11.70.FCSW1	2012_43	2014_19	
11.50.LCSW4	2011_30	2012_42	
11.50.UC6	2011_25	2011_29	

Used Features - per week

Page 1 10 25 50 100 500

Week	Feature Info								
	is_primary	is_secondary	is_sds	is_rss	is_er	is_pdq	max_sec_conns	max_sds_clones	max_rss_clones
2016_24	yes	no	no	no	no	no	0	0	0
2016_23	yes	no	no	no	no	no	0	0	0
2016_22	yes	no	no	no	no	no	0	0	0
2016_21	yes	no	no	no	no	no	0	0	0
2016_20	yes	no	no	no	no	no	0	0	0
2016_19	yes	no	no	no	no	no	0	0	0
2016_18	yes	yes	no	no	yes	yes	5	0	0
2016_17	no	yes	no	no	no	no	6	0	0
2016_16	no	yes	no	no	no	no	5	0	0
2016_15	no	yes	no	no	no	no	5	0	0
2016_14	no	yes	no	no	no	no	5	0	0

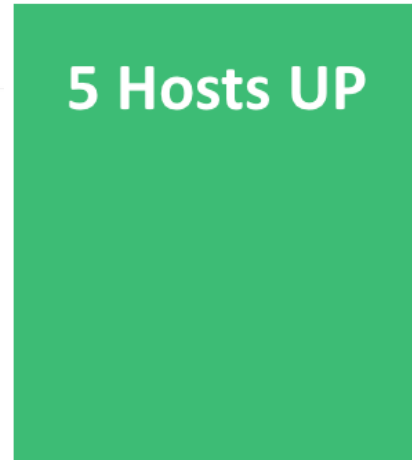
Beispiele

■ Beispiel für Icinga

Vor kurzem erholte Services

OK	ol_sauron@sauron.cursor.de: informix-checkalert
7m 21s	OK - no new alerts
OK	ol_kobra@kronos.nsi.de: informix-checkalert
14:21	OK - no new alerts
OK	ol_kronos@kronos.nsi.de: informix-checkalert
11:29	OK - no new alerts
localhost: apt	APT OK: 0 packages available for upgrade (0 critical updates).
OK	ol_kronos@kronos.nsi.de: informix-online-check
10:21	OK: Online
OK	ol_kobra@kronos.nsi.de: informix-online-check
10:21	OK: Online
OK	ol_sauron@sauron.cursor.de: informix-online-check
04:45	OK: Online
OK	ol_sauron@sauron.cursor.de: ping4
Jun 6	PING OK - Packet loss = 0%, RTA = 0.78 ms
OK	ol_kronos@kronos.nsi.de: ping4
Jun 6	PING OK - Packet loss = 0%, RTA = 0.63 ms
OK	ol_kobra@kronos.nsi.de: ping4
Jun 6	PING OK - Packet loss = 0%, RTA = 0.59 ms

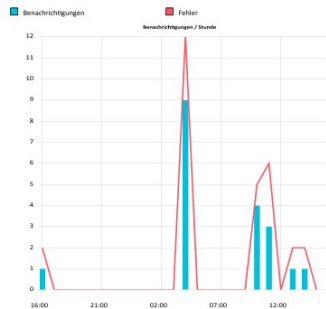
Tactical



Mehr zeigen

Alarmübersicht

Benachrichtigungen und Probleme



Services Historie

OK	cursor-scout: apt
May 12	APT OK: 0 packages available for upgrade (0 critical updates).
OK	localhost: apt
10:21	APT OK: 0 packages available for upgrade (0 critical updates).
OK	cursor-scout: disk
2015-03	DISK OK - free space: / 17111 MB (61% inode=59%): /boot 36 MB (64% inode=-):
OK	localhost: disk
2015-03	DISK OK - free space: / 17111 MB (61% inode=59%): /boot 36 MB (64% inode=-):
OK	cursor-scout: disk /
2015-03	DISK OK - free space: / 17111 MB (61% inode=59%):
OK	cursor-scout: http
Mar 2	HTTP OK: HTTP/1.1 200 OK - 1373 bytes in 0.002 second response time
OK	localhost: http
Mar 2	HTTP OK: HTTP/1.1 200 OK - 1373 bytes in 0.002 second response time
OK	cursor-scout: icinga
2015-03	Icinga 2 has been running for 5 hours, 45 minutes and 28 seconds. Version: v2.4.0
OK	localhost: icinga
2015-03	Icinga 2 has been running for 5 hours, 45 minutes and 25 seconds. Version: v2.4.0
OK	cursor-scout: icinga Web 2
Mar 2	HTTP OK: HTTP/1.1 301 Moved Permanently - 562 bytes in 0.002 second response time

Suche...

timestamp >= -7 days

OK	ol_sauron@sauron.cursor.de: informix-checkalert
16:08:10	[1/1] OK - no new alerts
KRITISCH	ol_sauron@sauron.cursor.de: informix-checkalert
16:07:10	[1/1] Database alert type: WARNING
NOTIFICATION	ol_sauron@sauron.cursor.de: informix-checkalert
16:07:10	⚠ Diese Benachrichtigung wurde an keinen Kontakt gesendet.
OK	ol_kobra@kronos.nsi.de: informix-checkalert
14:21:10	[1/1] OK - no new alerts
KRITISCH	ol_kobra@kronos.nsi.de: informix-checkalert
14:20:10	[1/1] Database alert type: WARNING
NOTIFICATION	ol_kobra@kronos.nsi.de: informix-checkalert
14:20:10	⚠ Diese Benachrichtigung wurde an keinen Kontakt gesendet.
OK	ol_kobra@kronos.nsi.de: informix-checkalert
13:56:10	[1/1] OK - no new alerts
KRITISCH	ol_kobra@kronos.nsi.de: informix-checkalert
13:55:10	[1/1] Database alert type: WARNING
NOTIFICATION	ol_kobra@kronos.nsi.de: informix-checkalert
13:55:10	⚠ [icingaadmin] Database alert type: WARNING
OK	ol_kronos@kronos.nsi.de: informix-checkalert
11:29:33	[1/1] OK - no new alerts
OK	ol_sauron@sauron.cursor.de: informix-checkalert
11:29:10	[1/1] OK - no new alerts
KRITISCH	ol_kronos@kronos.nsi.de: informix-checkalert
11:28:34	[1/1] Database alert type: WARNING
NOTIFICATION	ol_kronos@kronos.nsi.de: informix-checkalert
11:28:34	⚠ Diese Benachrichtigung wurde an keinen Kontakt gesendet.
KRITISCH	ol_sauron@sauron.cursor.de: informix-checkalert
11:28:10	[1/1] Database alert type: WARNING
NOTIFICATION	ol_sauron@sauron.cursor.de: informix-checkalert
11:28:10	⚠ [icingaadmin] Database alert type: WARNING
OK	ol_kobra@kronos.nsi.de: informix-checkalert
11:07:10	[1/1] OK - no new alerts
KRITISCH	ol_kobra@kronos.nsi.de: informix-checkalert
11:06:10	[1/1] Database alert type: WARNING
NOTIFICATION	ol_kobra@kronos.nsi.de: informix-checkalert
11:06:10	⚠ [icingaadmin] Database alert type: WARNING
OK	localhost: apt
10:21:47	[1/5] APT OK: 0 packages available for upgrade (0 critical updates).
OK	localhost: apt
10:21:19	[1/5] APT OK: 0 packages available for upgrade (0 critical updates).

Beispiele

■ Beispiel für Alarmer

```
Warning! Database Alert from sysalarmprogram
Server: ol\_kobra@kronos.nsi.de:9095 - IPv4: 10.10.0.148

Severity: 5 - Fatal.
          Something unexpected occurred and caused the database server to fail.
          The system administrator is paged when this event severity occurs.

Class:    99 - Assertion Failure or Assertion Warning has happened.
Meldung:  A Assertion Failure or a Assertion Warning has happened!
Sessionid: 13767

Threadid: 810950
TCB-Address: 0x59213bf8
Data 1:    9345
Data 2:    0
Data 3:
Data 4:
Data 5:
          - Server is possible crashed.
Online Log: Online log: Assertion failure with a description of the operation and logical log information.
Server State: Server State: Online or Offline.
Action:    User action: Start the database serv

File:      /opt/informix/IDS12.10/tmp/af.63aeb4

**** Icinga ****

Notification Type: PROBLEM

Service: informix-checkalert
Host: ol_kobraprod1@kobraprod1
Address: 10.0.0.40
State: CRITICAL

Date/Time: 2016-06-10 11:44:53 +0200

Additional Info: Database alert type: WARNING

Database: sysadmin

Object: SERVER / kobraprod1

Created: 2016-06-10 11:43:46

Message: 11:40:01 Logical Log 650227 Complete, timestamp: 0x75266e7e.
11:40:01 Logical Log 650227 - Backup Started
11:40:02 Logical Log 650227 - Backup Completed
11:41:13 Password Validation for user [redacted] failed!
11:41:13 Check for password aging/account lock-out.
11:41:13 listener-thread: err = -952: oserr = 0; errstr = [redacted]: User
([redacted])'s password is not correct for the database server.
11:41:20 Password Validation for user [redacted] failed!
11:41:20 Check for password aging/account lock-out.
11:41:20 listener-thread: err = -952: oserr = 0; errstr = [redacted]: User
([redacted])'s password is not correct for the database server.

**** Icinga ****

Notification Type: PROBLEM

Service: informix-checkalert
Host: ol\_sauron@sauron.cursor.de
Address: 10.0.12.1
State: CRITICAL

Date/Time: 2016-02-26 10:05:39 +0100

Additional Info: Database alert type: WARNING

Database: sysadmin

Object: DBSPACE / logdbs

Created: 2016-02-26 10:05:00

Message: logdbs has 1 % free capacity : size 1000000 kb,free 6508 kb

*****

Database alert type: WARNING

Database: sysadmin

Object: DBSPACE / sbospace

Created: 2016-02-26 10:05:00

Message: sbospace has 4 % free capacity : size 1000000 kb,free 42740 kb

*****

Warning! Database Alert from sysalarmprogram
Server: ol\_kobra@kronos.nsi.de:9095 - IPv4: 10.10.0.148

Severity: 5 - Fatal.
          Something unexpected occurred and caused the database server to fail.
          The system administrator is paged when this event severity occurs.

Class:    99 - Assertion Failure or Assertion Warning has happened.
Meldung:  A Assertion Failure or a Assertion Warning has happened!
Sessionid: 13767

Threadid: 810950
TCB-Address: 0x59213bf8
Data 1:    9345
Data 2:    0
Data 3:
Data 4:
Data 5:
          - Server is possible crashed.
Online Log: Online log: Assertion failure with a description of the operation and logical log information.
Server State: Server State: Online or Offline.
Action:    User action: Start the database serv

File:      /opt/informix/IDS12.10/tmp/af.63aeb4

**** Icinga ****

Notification Type: PROBLEM

Service: informix-checkalert
Host: ol\_sauron@sauron.cursor.de
Address: 10.0.12.1
State: CRITICAL

Date/Time: 2016-02-26 10:05:39 +0100

Additional Info: Database alert type: WARNING

Database: sysadmin

Object: DBSPACE / logdbs

Created: 2016-02-26 10:05:00

Message: logdbs has 1 % free capacity : size 1000000 kb,free 6508 kb

*****

Database alert type: WARNING

Database: sysadmin

Object: DBSPACE / sbospace

Created: 2016-02-26 10:05:00

Message: sbospace has 4 % free capacity : size 1000000 kb,free 42740 kb

*****

**** Icinga ****

Notification Type: PROBLEM

Service: informix-checkalert
Host: ol\_sauron@sauron.cursor.de
Address: 10.0.12.1
State: CRITICAL

Date/Time: 2016-02-28 03:32:39 +0100

Additional Info: Database alert type: WARNING

Database: sysadmin

Object: MISC / cpu

Created: 2016-02-28 03:31:02

Message: ready queue for cpu ID 9 of 6 exceeds 1

Comment: []

*****

Comment: []

**** Icinga ****

Notification Type: PROBLEM

Host: ol\_kronos@kronos.nsi.de
Address: 10.10.0.148
State: DOWN

Date/Time: 2016-04-13 08:41:43 +0200

Additional Info: PING CRITICAL - Packet loss = 100%

Comment: []

*****

Comment: []
```

Demo und weitere Infos

- Live-Demo...
- Infos zum Admin-Scout für Informix:
<http://www.cursor-distribution.de/de/admin-scout-de>
oder
<http://www.admin-scout.com>
- Infos zur CURSOR Distribution:
<http://www.cursor-distribution.de/>

Fragen?

Kontakt: erik.stahlhut@cursor.de

