

Komendy i procedury diagnostyczne

Wykonujemy zalogowani do iSQL bez wybranej żadnej bazy

Wylistowanie aktywnych sesji:

```
sp_who
```

```
1> sp_who
2> go
```

fid	spid	status	Loginame	origname	hostname	blk_spid	dbname	tempdbname	cmd	block_xl	threadpool
0	1	sleeping	NULL	NULL	NULL	0	master	master	MEMORY TUNE	0	syb_default_pool
0	3	sleeping	NULL	NULL	NULL	0	master	tempdb	DEADLOCK TUNE	0	syb_default_pool
0	4	sleeping	NULL	NULL	NULL	0	master	tempdb	MIRROR HANDLER	0	syb_default_pool
0	5	sleeping	NULL	NULL	NULL	0	master	tempdb	SHUTDOWN HANDLER	0	syb_default_pool
0	6	sleeping	NULL	NULL	NULL	0	master	tempdb	KPP HANDLER	0	syb_default_pool
0	7	sleeping	NULL	NULL	NULL	0	master	tempdb	ASTC HANDLER	0	syb_default_pool
0	8	sleeping	NULL	NULL	NULL	0	master	tempdb	ASTC HANDLER	0	syb_default_pool
0	9	sleeping	NULL	NULL	NULL	0	master	tempdb	ASTC HANDLER	0	syb_default_pool
0	10	sleeping	NULL	NULL	NULL	0	master	tempdb	ASTC HANDLER	0	syb_default_pool
0	11	sleeping	NULL	NULL	NULL	0	master	tempdb	CHECKPOINT SLEEP	0	syb_default_pool
0	12	sleeping	NULL	NULL	NULL	0	master	tempdb	HK WASH	0	syb_default_pool
0	13	runnable	NULL	NULL	NULL	0	master	tempdb	HK GC	0	syb_default_pool
0	14	sleeping	NULL	NULL	NULL	0	master	tempdb	HK CHORES	0	syb_default_pool
0	15	sleeping	NULL	NULL	NULL	0	master	tempdb	PORT MANAGER	0	syb_default_pool
0	16	sleeping	NULL	NULL	NULL	0	master	tempdb	NETWORK HANDLER	0	syb_default_pool
0	19	rcv sleep	webmegazuser	webmegazuser	EWE012	0	Megaz	tempdb	AWAITING COMMAND	0	syb_default_pool
0	20	sleeping	NULL	NULL	NULL	0	master	tempdb	LICENSE HEARTBEAT	0	syb_default_pool
0	21	rcv sleep	webmegazuser	webmegazuser	EWE010	0	Megaz_test3	tempdb	AWAITING COMMAND	0	syb_default_pool
0	22	rcv sleep	webmegazuser	webmegazuser	EWE010	0	Megaz_test3	tempdb	AWAITING COMMAND	0	syb_default_pool
0	24	rcv sleep	sa	sa	ewe015.ewepl.local	0	master	tempdb	AWAITING COMMAND	0	syb_default_pool
0	27	rcv sleep	megazuser	megazuser	marzena.pawinska	0	Megaz	tempdb	AWAITING COMMAND	0	syb_default_pool
0	28	rcv sleep	webmegazuser	webmegazuser	EWE012	0	Megaz	tempdb	AWAITING COMMAND	0	syb_default_pool
0	31	rcv sleep	webmegazuser	webmegazuser	EWE010	0	Megaz_test3	tempdb	AWAITING COMMAND	0	syb_default_pool
0	34	rcv sleep	webmegazuser	webmegazuser	EWE010	0	Megaz_test3	tempdb	AWAITING COMMAND	0	syb_default_pool
0	35	rcv sleep	megazuser	megazuser	marika.kostrzewa	0	Megaz	tempdb	AWAITING COMMAND	0	syb_default_pool
0	38	rcv sleep	megazuser	megazuser	arkadiusz.nowak	0	Megaz	tempdb	AWAITING COMMAND	0	syb_default_pool
0	41	rcv sleep	megazuser	megazuser	marcin.bolechowski	0	Megaz	tempdb	AWAITING COMMAND	0	syb_default_pool

Wylistowanie locków na bazie

```
sp_locks
```

```
1> sp_who
2> go
```

fid	spid	status	loginame	origname	hostname	blk_spid	dbname	tempdbname	cmd	block_xloid	threadpool
0	1	sleeping	NULL	NULL	NULL	0	master	master	MEMORY TUNE	0	syb_default_pool
0	3	sleeping	NULL	NULL	NULL	0	master	tempdb	DEADLOCK TUNE	0	syb_default_pool
0	4	sleeping	NULL	NULL	NULL	0	master	tempdb	MIRROR HANDLER	0	syb_default_pool
0	5	sleeping	NULL	NULL	NULL	0	master	tempdb	SHUTDOWN HANDLER	0	syb_default_pool
0	6	sleeping	NULL	NULL	NULL	0	master	tempdb	KPP HANDLER	0	syb_default_pool
0	7	sleeping	NULL	NULL	NULL	0	master	tempdb	ASTC HANDLER	0	syb_default_pool
0	8	sleeping	NULL	NULL	NULL	0	master	tempdb	ASTC HANDLER	0	syb_default_pool
0	9	sleeping	NULL	NULL	NULL	0	master	tempdb	ASTC HANDLER	0	syb_default_pool
0	10	sleeping	NULL	NULL	NULL	0	master	tempdb	ASTC HANDLER	0	syb_default_pool
0	11	sleeping	NULL	NULL	NULL	0	master	tempdb	CHECKPOINT SLEEP	0	syb_default_pool
0	12	sleeping	NULL	NULL	NULL	0	master	tempdb	HK WASH	0	syb_default_pool
0	13	runnable	NULL	NULL	NULL	0	master	tempdb	HK GC	0	syb_default_pool
0	14	sleeping	NULL	NULL	NULL	0	master	tempdb	HK CHORES	0	syb_default_pool
0	15	sleeping	NULL	NULL	NULL	0	master	tempdb	PORT MANAGER	0	syb_default_pool
0	16	sleeping	NULL	NULL	NULL	0	master	tempdb	NETWORK HANDLER	0	syb_default_pool
0	19	rcv sleep	webmegazuser	webmegazuser	EWE012	0	Megaz	tempdb	AWAITING COMMAND	0	syb_default_pool
0	20	sleeping	NULL	NULL	NULL	0	master	tempdb	LICENSE HEARTBEAT	0	syb_default_pool
0	21	rcv sleep	webmegazuser	webmegazuser	EWE010	0	Megaz_test3	tempdb	AWAITING COMMAND	0	syb_default_pool
0	22	rcv sleep	webmegazuser	webmegazuser	EWE010	0	Megaz_test3	tempdb	AWAITING COMMAND	0	syb_default_pool
0	24	rcv sleep	sa	sa	ewe015.ewepl.local	0	master	tempdb	AWAITING COMMAND	0	syb_default_pool
0	27	rcv sleep	megazuser	megazuser	marzena.pawinska	0	Megaz	tempdb	AWAITING COMMAND	0	syb_default_pool
0	28	rcv sleep	webmegazuser	webmegazuser	EWE012	0	Megaz	tempdb	AWAITING COMMAND	0	syb_default_pool
0	31	rcv sleep	webmegazuser	webmegazuser	EWE010	0	Megaz_test3	tempdb	AWAITING COMMAND	0	syb_default_pool
0	34	rcv sleep	webmegazuser	webmegazuser	EWE010	0	Megaz_test3	tempdb	AWAITING COMMAND	0	syb_default_pool
0	35	rcv sleep	megazuser	megazuser	marika.kostrzewa	0	Megaz	tempdb	AWAITING COMMAND	0	syb_default_pool
0	38	rcv sleep	megazuser	megazuser	arkadiusz.nowak	0	Megaz	tempdb	AWAITING COMMAND	0	syb_default_pool
0	41	rcv sleep	megazuser	megazuser	marcin.bolechowski	0	Megaz	tempdb	AWAITING COMMAND	0	syb_default_pool

Inna wersja powyższej komendy wraz z filtrowaniem:

```
SELECT * FROM master..monLocks
WHERE DBName LIKE '%Megaz%'
go
```

Sprawdzenie plików "device"

```
sp_helpdevice
go
```

```
error: procedure 'sp_helpdevice' not found! Specify owner, logname and/or use sp_help to check whether the object exists (sp_help may produce lots of output).
```

```
sp_who
go
```

device_name	physical_name	description	status	cntrltype	vdevno	vpn_low	vpn_hi
dataMegaz_monitoring1	/opt/sybase/Megaz_monitoring/dataMegaz_monitoring1.dat	file system device, special, dsync off, directio on, physical disk, 3072.00 MB, Free: 0.00 MB	2	0	14	0	1572
dataMegaz_test1	/opt/sybase/Megaz_test/dataMegaz_test1.dat	file system device, special, dsync off, directio on, physical disk, 492407.00 MB, Free: 1811.00 MB	2	0	5	0	252112
dataMegaz_test2_1	/opt/sybase/Megaz_test2/dataMegaz_test2_1.dat	file system device, special, dsync off, directio on, physical disk, 495500.00 MB, Free: 4000.00 MB	2	0	7	0	253695
dataMegaz_test3_1	/opt/sybase/Megaz_test3/dataMegaz_test3_1.dat	file system device, special, dsync off, directio on, physical disk, 492927.00 MB, Free: 1.00 MB	2	0	18	0	252378
dataMegaz1	/opt/sybase/Megaz/data1/dataMegaz1.dat	file system device, special, dsync off, directio on, physical disk, 145000.00 MB, Free: 0.00 MB	2	0	9	0	74239
dataMegaz2	/opt/sybase/Megaz/data2/dataMegaz2.dat	file system device, special, dsync off, directio on, physical disk, 145000.00 MB, Free: 10000.00 MB	2	0	10	0	74239
dataMegaz3	/opt/sybase/Megaz/data3/dataMegaz3.dat	file system device, special, dsync off, directio on, physical disk, 145000.00 MB, Free: 10000.00 MB	2	0	11	0	74239
dataMegaz4	/opt/sybase/Megaz/data4/dataMegaz4.dat	file system device, special, dsync off, directio on, physical disk, 145000.00 MB, Free: 10000.00 MB	2	0	12	0	74239
dbccdb_dat	/opt/sybase/dbccdb/dbccdb_dat.dat	file system device, special, dsync off, directio on, physical disk, 10240.00 MB, Free: 0.00 MB	2	0	16	0	5242
dbccdb_log	/opt/sybase/dbccdb/dbccdb_log.dat	file system device, special, dsync off, directio on, physical disk, 2.00 MB, Free: 0.00 MB	2	0	17	0	1
logMegaz	/opt/sybase/Megaz/Log/LogMegaz.dat	file system device, special, dsync off, directio on, physical disk, 10240.00 MB, Free: 0.00 MB	2	0	13	0	5242
logMegaz_monitoring1	/opt/sybase/Megaz_monitoring/LogMegaz_monitoring1.dat	file system device, special, dsync off, directio on, physical disk, 200.00 MB, Free: 0.00 MB	2	0	15	0	102
logMegaz_test1	/opt/sybase/Megaz_test/LogMegaz1.dat	file system device, special, dsync off, directio on, physical disk, 10240.00 MB, Free: 0.00 MB	2	0	6	0	5242

Wyświetlanie informacji o bazach danych:

```
sp_helpdb
go
```

```

1> sp_helpdb
2> go

```

name	db_size	owner	dbid	created	durability	lobcomplvl	inrowlen	status
dbccdb	10242.0 MB	sa	31516	Mar 18, 2021	full	0		NULL select into/bulkcopy/pilsort, trunc log on chkpt
master	52.0 MB	sa	1	Mar 16, 2021	full	0		NULL mixed log and data
Megaz	560740.0 MB	sa	6	Mar 18, 2021	full	0		NULL full logging for all
Megaz_monitoring	3272.0 MB	sa	7	Mar 18, 2021	full	0		NULL trunc log on chkpt
Megaz_test1	500836.0 MB	sa	4	Apr 01, 2021	full	0		NULL select into/bulkcopy/pilsort, trunc log on chkpt, full logging for all
Megaz_test2	501240.0 MB	sa	5	Mar 30, 2021	full	0		NULL select into/bulkcopy/pilsort, trunc log on chkpt, full logging for all
Megaz_test3	504166.0 MB	sa	8	Jan 16, 2024	full	0		NULL select into/bulkcopy/pilsort, trunc log on chkpt, full logging for all
model	12.0 MB	sa	3	Mar 16, 2021	full	0		NULL mixed log and data
sybngmtdb	76.0 MB	sa	31515	Mar 16, 2021	full	0		NULL select into/bulkcopy/pilsort, trunc log on chkpt, mixed log and data
sybsystemdb	24.0 MB	sa	31513	Mar 16, 2021	full	0		NULL trunc log on chkpt, mixed log and data, full logging for all
sybsystemprocs	195.0 MB	sa	31514	Mar 16, 2021	full	0		NULL trunc log on chkpt, mixed log and data, full logging for all
tempdb	148612.0 MB	sa	2	Feb 21, 2025	no_recovery	0		NULL select into/bulkcopy/pilsort, trunc log on chkpt, ddl in tran, mixed log and data, allow wide dot rows

```

(1 row affected)
name      attribute_class attribute      int_value char_value      comments
-----
tempdb     buffer manager      cache binding      1 tempdb_cache NULL
(return status = 0)

```

Wyświetlanie zajętości aktualnie używanej bazy danych

Najpierw wybieramy bazę danych:

```

use NazwaBazy
go

```

Później wykonujemy komendę:

```

sp_spaceused
go

```

```

1> sp_spaceused
2> go

```

database_name	database_size
master	52.0 MB

```

(1 row affected)
reserved data      index_size unused
-----
22704 KB 9696 KB 2008 KB      9928 KB
(return status = 0)
1> █

```

Weryfikacja aktualnie używanych zasobów:

```

sp_monitor
go

```

```

1> sp_monitor
2> go
last_run                current_run                seconds
-----
Mar 13 2025  4:37PM      Mar 13 2025  4:37PM      1

(1 row affected)
cpu_busy                io_busy                idle
-----
1297865(0)-0%          179286(0)-0%          1324086(0)-0%
packets_received        packets_sent            packet_errors
-----
145623483(0)           171382452(0)          0(0)
total_read              total_write             total_errors            connections
-----
1054312077(0)          77213607(0)           0(0)                   4772643(0)
(return status = 0)
1>

```

Weryfikacja wydajności silnika bazy danych przez określony czas:

```

sp_sysmon "00:01:00"
go

```

```

1> sp_sysmon "00:01:00"
2> go
=====
Sybase Adaptive Server Enterprise System Performance Report
=====

Server Version:      Adaptive Server Enterprise/16.0 SP04 PL06 HF1/EBF 31044
                    SMP/P/x86_64/SLES 12.4/ase160sp04pl06x/3636/64-bit/FBO/T
                    hu Jun 27 20:17:29 2024
Run Date:            Mar 13, 2025
Sampling Started at: Mar 13, 2025 16:30:45
Sampling Ended at:   Mar 13, 2025 16:31:45
Sample Interval:     00:01:00
Sample Mode:         No Clear
Counters Last Cleared: Feb 21, 2025 18:55:37
Server Name:         EWE015
=====

Kernel Utilization
-----

Engine Utilization (Tick %)  User Busy  System Busy  I/O Busy  Idle
-----
ThreadPool : syb_default_pool
Engine 0                    30.0 %    0.0 %    14.3 %    55.7 %
Engine 1                    32.3 %    0.0 %    12.3 %    55.4 %
Engine 2                    24.5 %    0.0 %    14.5 %    61.1 %
Engine 3                    16.8 %    0.0 %    12.8 %    70.4 %
Engine 4                    37.1 %    0.0 %    14.8 %    48.1 %
Engine 5                    36.1 %    0.0 %    14.6 %    49.3 %
-----
Pool Summary      Total      176.7 %    0.0 %    83.4 %    339.9 %
                  Average    29.5 %    0.0 %    13.9 %    56.7 %

```

Sprawdzenie statusu licencji

Po zalogowaniu się do bazy (przy pomocy iSQL) możemy wywołać zapytanie, które zwróci nam informacje o stanie licencji

```
sp_lmconfig  
go
```

image.png

Revision #3

Created 13 March 2025 15:23:49 by Tomasz Konieczny

Updated 13 March 2025 15:40:19 by Tomasz Konieczny