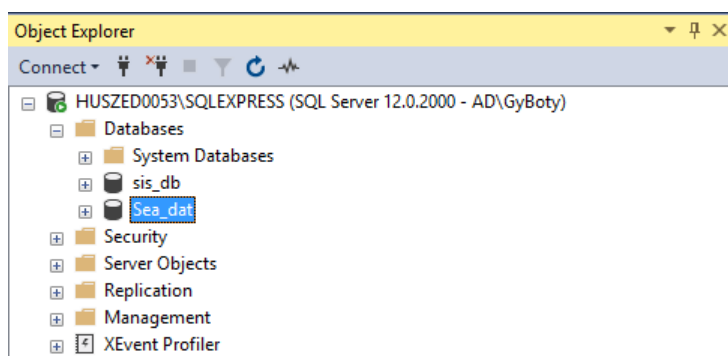


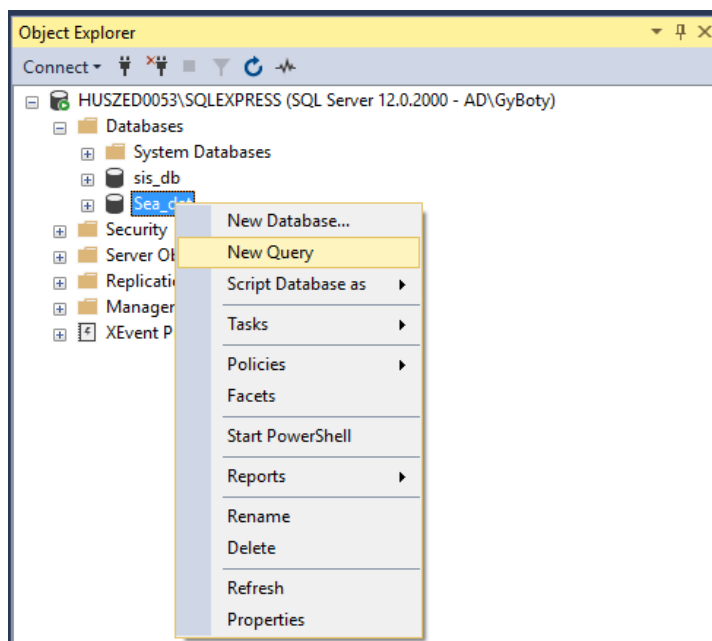
Quick terminál infó lekérésének folyamata SEASEC rendszerben MSSQL 2005-ig

Lehetőleg az MSSQL serveren végezzük el az alábbi folyamatokat. Nyissuk meg a **Microsoft SQL Server Management Studio**-t és jelentkezzünk be.

- Bal oldalt keressük meg a SEASEC adatbázisát (Alap esetben: **SEA_DAT**)
- Jelöljük ki



- Kattintsunk rá jobb gombbal, majd a menüből válasszuk a „**New Query**” lehetőséget



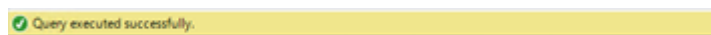
- A megjelenő új ablakban végezzük el az alábbi folyamatokat

1. Terminál infó lekérdezés egy mozdulattal

A mellékelt fájlt (**Seasec_terminal_info_V1.1_MSSQL2005.sql**) nyissuk meg „**Jegyzetömb**”-el és a tartalmát másoljuk be a „**New Query**”-be és futtassuk le („**Execute**” vagy „**F5**” billentyű).

A lekérdezés során 60mp időt kap egy eszköz az adatok elküldésére. Lehetőleg más alkalmazásból ne indítsunk „**Terminál infó**” lekérdezést !

Akkor végzett, ha írt ki sorokat az SQL Query alján az eredmény résznél „**Results**” és ez az üzenet is megjelenik.



2. Terminál infó eredmény mentése fájlba

Az SQL Query alján, eredmény résznél „**Results**” jobb klikk, „**Save Results As...**”. Fájl neve: Cégnév - SEASEC - Terminál infók - dátum – CSV. vagy TXT. legyen a kiterjesztése. Pl.: AssaAbloy – Seasec – Terminál infók – 2021.02.16.csv.

```
--Végző lekérdezés:

select kapcsolok, i.* from vwTerminalInfo i
left outer join vwTerminalInfoKapcsolok ik on i.trm_id=ik.trm_id
join TERMINALOK t on t.TRM_ID = i.trm_id
--where t.TRM_ALLAPOTKOD = 'a'
order by trm_nev
```

121 %

Results Messages

	kapcsolok	trm_id	trm_cim	trm_nev	vendeg	normal	szabad	kpufter_ido
1	HRAM.NRD.HIGHFIFO,	114	C	110/A elsősegélyhely	0	33	5967	2009-08-14 15:31:58.00
2	HRAM.NRD.HIGHFIFO,	115	D	110/A Fénymásoló szoba	0	33	5967	2009-08-14 15:32:03.00
3	HRAM.NRD.HIGHFIFO,	113	B	110/A informatika	0	9	5991	2009-08-14 16:06:59.00
4	HRAM.NRD.HIGHFIFO,	106	K	110/A PM Titkárság	0	36	5964	2009-08-14 15:30:57.00
5	NULL	117	F	110/A tárgyaló 3	0	27	5973	2009-08-14 15:32:18.00
6	NULL	119	H	130/A analízis	0	40	5960	2009-01-12 08:35:14.00
7	HRAM.NRD.HIGHFIFO,	156	W	130/B GMM5	0	38	5962	2008-11-13 18:32:48.00
8	HRAM.NRD.HIGHFIFO,	109	N	Doktori bizottság	0	51	5949	2021-02-16 14:01:25.00
9	HRAM.NRD.HIGHFIFO,						5949	2021-02-16 13:59:12.00
10	HRAM.NRD.HIGHFIFO,						5933	2018-06-14 15:20:37.00
11	HRAM.NRD.HIGHFIFO,						5949	2021-02-16 14:24:33.00
12	HRAM.NRD.HIGHFIFO,						5947	2021-02-16 14:15:43.00
13	HRAM.NRD.HIGHFIFO,						5951	2021-02-16 14:16:50.00
14	HRAM.NRD.HIGHFIFO,0172,					12	5885	2009-08-14 16:06:03.00
15	HRAM.NRD.HIGHFIFO,						5994	2021-02-16 14:09:07.00
16	HRAM.NRD.HIGHFIFO,					6	5984	2013-05-08 12:13:42.00
17	HRAM.NRD.HIGHFIFO,					51	5949	2021-02-16 14:19:02.00
18	HRAM.NRD.HIGHFIFO,	111	P	R. Készarái átjáró	0	51	5949	2021-02-16 14:03:36.00
19	HRAM.NRD.HIGHFIFO,	110	O	R. Mercedes átjáró	0	96	5904	2010-03-24 16:23:42.00
20	HRAM.NRD.HIGHFIFO,	153	Y	R. Opel átjáró	0	67	5933	2017-05-16 15:49:24.00
21	HRAM.NRD.HIGHFIFO,	152	X	R. Opel átjáró 1.	0	69	5931	2010-08-25 09:35:45.00
22	HRAM.NRD.HIGHFIFO,	112	A	Szerver x	0	10	5990	2009-08-14 15:31:50.00
23	HRAM.NRD.HIGHFIFO,	108	M	Szerverzsinha 1	0	6	5904	2021-02-16 14:00:19.00

Copy

Copy with Headers

Select All

Save Results As...

Page Setup...

Print...

Ctrl+C

Ctrl+Shift+C

Ctrl+A

Ctrl+P

Query executed successfully.

Seasec_terminal_info_V1.1_MSSQL2005.sql

-- 1. rész

if object_id(N'fn_decToBase') > 0

DROP function fn_decToBase
GO

SET ANSI_NULLS ON
GO
SET QUOTED_IDENTIFIER ON
GO

/****** Object: UserDefinedFunction [dbo].[fn_decToBase] Script Date: 2021.02.03. 15:24:05
******/

```
CREATE function [dbo].[fn_decToBase]
(
    @val as BigInt,
    @base as int
)
returns varchar(63)
as
Begin
    /* Check if we get the valid base */
    If (@val < 0) OR (@base < 2) OR (@base > 36) Return Null;

    /* variable to hold final answer */
    Declare @answer as varchar(63);

    /* Following variable contains all
    possible alpha numeric letters for any base
    */
    Declare @alldigits as varchar(36);
    Set @alldigits = '0123456789ABCDEFGHIJKLMNOPQRSTUVWXYZ'

    /* Set the initial value of
    final answer as empty string
    */
    Set @answer = '';

    /* Loop until your source value is greater than 0 */
    While @val > 0
    Begin
        Set @answer = Substring(@alldigits, @val % @base + 1, 1) + @answer;
        Set @val = @val / @base;
    End
```

```
return @answer;  
End  
GO
```

```
if object_id(N'f_ReverseStr') > 0
```

```
DROP function f_ReverseStr  
GO
```

```
CREATE FUNCTION [dbo].[f_ReverseStr]  
(@pstr nvarchar(255))  
returns nvarchar(255)  
as  
BEGIN  
    declare @res nvarchar(255)  
    set @res= "  
    declare @i int  
    set @i= 1  
    declare @p int  
    set @p = len(@pstr)  
  
    WHILE @i <= @p  
    Begin  
        set @res = @res + substring(@pstr, @p - @i + 1,1)  
        set @i= @i+1  
    END  
  
    RETURN(@res)  
END  
GO
```

```
if object_id(N'f_HstrToBin') > 0
```

```
DROP function f_HstrToBin  
GO
```

```
SET ANSI_NULLS ON  
GO  
SET QUOTED_IDENTIFIER ON  
GO
```

```
/****** Object: UserDefinedFunction [dbo].[f_HstrToBin]  Script Date: 2021.02.03. 15:24:05  
*****/
```

```
CREATE FUNCTION dbo.f_HstrToBin(@data nvarchar(120))
```

```
RETURNS NVARCHAR(1024) AS  
BEGIN
```

```
    declare @pkod int  
    set @pkod = 1  
    declare @str NVARCHAR(1024)  
    set @str = ''  
    declare @fkapcs NVARCHAR(1024)  
    set @fkapcs = ''  
    declare @maxdb int  
    set @maxdb = len(@data) / 2  
    declare @rdb int  
    set @rdb = 0  
    declare @szam int  
    declare @binstr nvarchar(30)  
    declare @p int  
    declare @okod nvarchar(30)
```

```
    WHILE @rdb < @maxdb  
    Begin
```

```
        set @szam = (ascii(substring(@data, @rdb * 2 + 1, 1)) -  
48) * 16 + ascii(substring(@data, @rdb * 2 + 2, 1)) - 48  
        set @str = @str +  
[dbo].[f_ReverseStr](right('00000000' + [dbo].[fn_decToBase](@szam, 2), 8))
```

```
        set @rdb = @rdb + 1  
    End
```

```
    set @p = CHARINDEX('1', @str, 1)  
    WHILE @p > 0  
    Begin
```

```
        if @pkod = 0  
            set @fkapcs = @fkapcs + cast(@p as varchar(5)) + ';'   
        else  
            begin  
                set @okod = 'O' + cast(@p as varchar(5))  
                select @okod = PRM_TIPUS from TERMINALPARAMETEREK where  
PRM_TIPUSKOD = @okod  
                set @fkapcs = @fkapcs + @okod + ';'   
            end
```

```
        set @p = CHARINDEX('1', @str, @p + 1)  
    End
```

```
    RETURN @fkapcs  
END  
GO
```

```
if object_id(N'vwTerminalInfoKapcsolok') > 0
```

```
DROP View vwTerminalInfoKapcsolok  
GO
```

```
SET ANSI_NULLS ON  
GO  
SET QUOTED_IDENTIFIER ON  
GO
```

```
/***** Object: View [dbo].[vwTerminalInfoKapcsolok] Script Date: 2021.02.03. 15:24:05  
*****/
```

```
CREATE VIEW vwTerminalInfoKapcsolok  
AS  
SELECT  
    trm_id,  
    dbo.f_HstrToBin(  
        (SELECT " + substring(ST1.tre_blokk,6,10)  
        FROM SCC_TERMINAL_EXTENSION ST1  
        WHERE ST1.trm_id = ST2.trm_id and tre_tipus='i' and TRE_BLOKK is not null and  
TRE_SORSZAM<255  
        ORDER BY ST1.trm_id, TRE_SORSZAM  
        FOR XML PATH('')) [Kapcsolok]  
FROM SCC_TERMINAL_EXTENSION ST2  
where tre_tipus='i' and TRE_BLOKK is not null and TRE_SORSZAM<255  
GROUP BY trm_id  
GO
```

-- 2. rész

```
if object_id(N'f_HSTRTOINT') > 0
```

```
DROP FUNCTION f_HSTRTOINT  
GO
```

```
/***** Object: FUNCTION [dbo].[f_HSTRTOINT] Script Date: 07/13/2011 10:05:19 *****/  
SET ANSI_NULLS ON  
GO  
SET QUOTED_IDENTIFIER ON  
GO
```

```
CREATE FUNCTION [dbo].[f_HSTRTOINT](@str nvarchar(80))  
returns int  
As  
BEGIN
```

```
declare @szam int
```

```
declare @i int
declare @h int
set @szam = 0
    set @i = 1
    set @h = len(@str)
WHILE @i <= @h
    begin
        set @szam = @szam * 16 + ascii(substring(@str,@i,1)) - 48
        set @i = @i + 1
    end
return(@szam)
END
GO
```

```
if object_id(N'TRM_INFO') > 0
```

```
DROP PROCEDURE TRM_INFO
GO
```

```
CREATE PROCEDURE TRM_INFO
@delay_time char(12) = '00:00:11.000'
AS
```

```
DECLARE @trmid bigint
DECLARE @trmcim nvarchar(20)
DECLARE @tsk nvarchar(20)
DECLARE trm SCROLL CURSOR FOR
    SELECT trm_id, trm_cim from terminalok
    where trm_tipuskod like 'T%'
    --and trm_vezergеп_id in (....., .....) and -- csak az aktuális vezérgép alattiak
    --trm_allapotkod in ('a','A') -- csak a jó státuszuak
```

```
open trm
FETCH trm INTO @trmid, @trmcim
WHILE @@FETCH_STATUS = 0
begin
    set @tsk = @trmcim+'A3'
    exec taskappendrecord @trmid, 'D', @tsk -- c krtdb
    waitfor delay @delay_time
    set @tsk = @trmcim+'A8'
    exec taskappendrecord @trmid, 'D', @tsk -- g
    waitfor delay @delay_time
    set @tsk = @trmcim+'A9'
    exec taskappendrecord @trmid, 'D', @tsk -- h
    waitfor delay @delay_time
    set @tsk = @trmcim+'A:'
    exec taskappendrecord @trmid, 'D', @tsk -- i
```

```
waitfor delay @delay_time
set @tsk = @trmcim+'A1'
exec taskappendrecord @trmid, 'D', @tsk -- a
waitfor delay @delay_time
set @tsk = @trmcim+'A4'
exec taskappendrecord @trmid, 'D', @tsk -- d
waitfor delay @delay_time
```

```
FETCH trm INTO @trmid, @trmcim
end
```

```
close trm
deallocate trm
GO
```

```
if object_id(N'vwTerminalInfo') > 0
```

```
DROP VIEW vwTerminalInfo
GO
```

```
CREATE VIEW vwTerminalInfo as
WITH tinfo_c as
(
select
trm_id, tre_idopont
, dbo.[f_HSTRTOINT](substring(tre_blokk,4,4)) vendeg
, dbo.[f_HSTRTOINT](substring(tre_blokk,8,4)) normal
, dbo.[f_HSTRTOINT](substring(tre_blokk,12,4)) szabad
from
scc_terminal_extension
where tre_tipus in ('c')
)
, tinfo_g as
(
select
trm_id, tre_idopont
, substring(tre_blokk,4,4)+'-
'+substring(tre_blokk,8,4)+'.'+substring(tre_blokk,12,2)+'.'+substring(tre_blokk,14,2) verzio
from
scc_terminal_extension
where tre_tipus in ('g')
)
, tinfo_h as
(
select
trm_id, tre_idopont
, 'E'+substring(tre_blokk,4,2) hardware
```

```
from
scc_terminal_extension
where tre_tipus in ('h')
)
, tinfo_d as
(
select
trm_id, tre_idopont
, dbo.[f_HSTRTOINT](substring(tre_blokk,4,4)) meret
, dbo.[f_HSTRTOINT](substring(tre_blokk,8,4)) foglalt
from
scc_terminal_extension
where tre_tipus in ('d')
)
, tinfo_a as
(
select
trm_id, tre_idopont
, dbo.[f_HSTRTOINT](substring(tre_blokk,4,2)) idozona
, dbo.[f_HSTRTOINT](substring(tre_blokk,6,2)) idz_hely
, dateadd(minute
, dbo.[f_HSTRTOINT](substring(tre_blokk,10,6))%1440
, dateadd(day, dbo.[f_HSTRTOINT](substring(tre_blokk,10,6))/1440, '1990-01-01'))
) ido
from
scc_terminal_extension
where tre_tipus in ('a')
)
select t.trm_id, t.trm_cim, t.trm_nev
, c.vendeg, c.normal, c.szabad, c.tre_idopont kpuffer_ido
, g.verzio, g.tre_idopont verzio_ido
, h.hardware, h.tre_idopont hardware_ido
, d.meret, d.foglalt, d.tre_idopont hely_ido
, a.idozona, a.idz_hely, a.ido, c.tre_idopont idozona_ido
from terminalok t
left outer join tinfo_c c on t.trm_id=c.trm_id
left outer join tinfo_g g on t.trm_id=g.trm_id
left outer join tinfo_h h on t.trm_id=h.trm_id
left outer join tinfo_d d on t.trm_id=d.trm_id
left outer join tinfo_a a on t.trm_id=a.trm_id
where trm_tipuskod like 'T%'
GO
```

-- 3. rész

-- Terminál infó lekérdezés indítása

exec TRM_INFO

-- 4. rész

--SELECT * from vwTerminalInfo

--Végző lekérdezés:

```
select kapcsolok, i.* from vwTerminalInfo i
left outer join vwTerminalInfoKapcsolok ik on i.trm_id=ik.trm_id
join TERMINALOK t on t.TRM_ID = i.trm_id
--where t.TRM_ALLAPOTKOD = 'a'
order by trm_nev
```