

Recomandari instalare_configurare VS 2022+ Oracle 21c XE+Crystal Reports

1. Instalare Visual Studio 2022 - Community

(<https://visualstudio.microsoft.com/downloads/>)

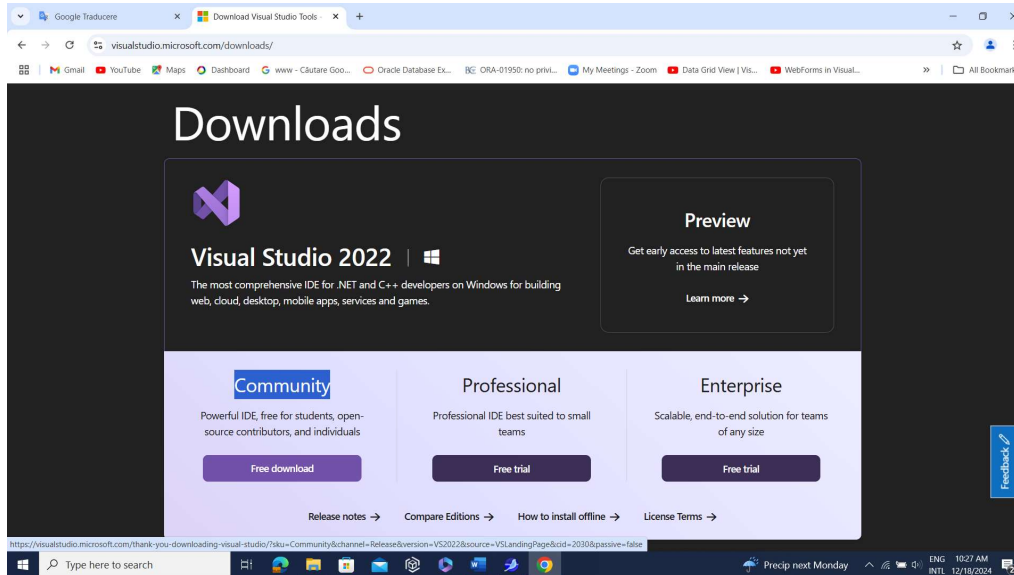


Fig. 1.a VS 2022 – Community

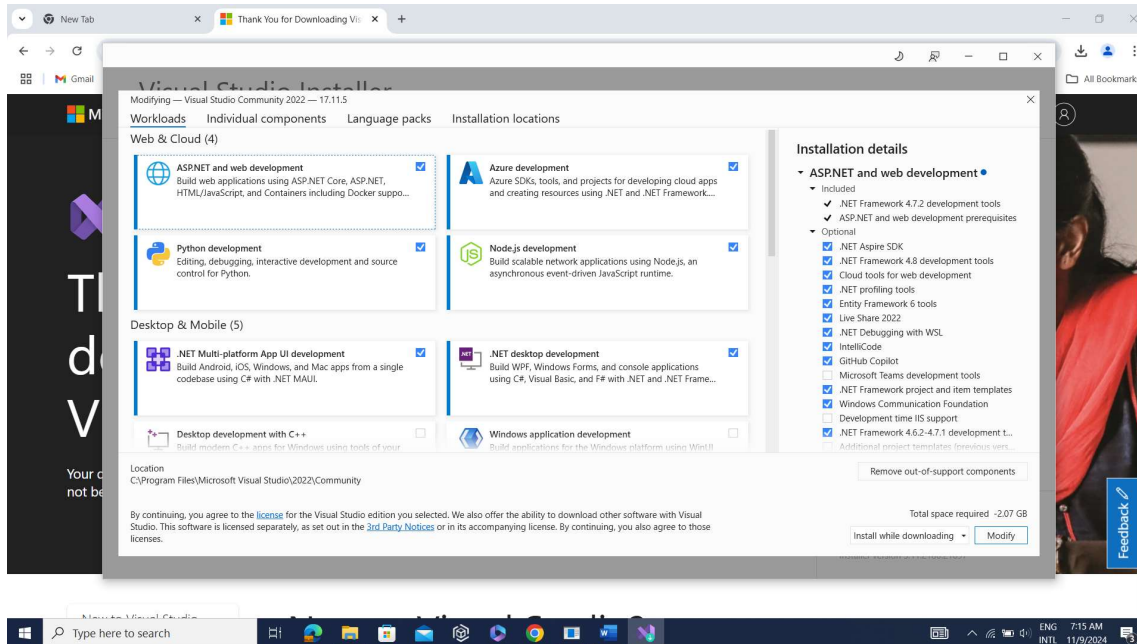


Fig.1.b **ASP.NET and Web development** (aici trebuie bife suplimentare fata de configuratia implicita... vezi Fig. 1.c) + **Desktop & Mobile** +...

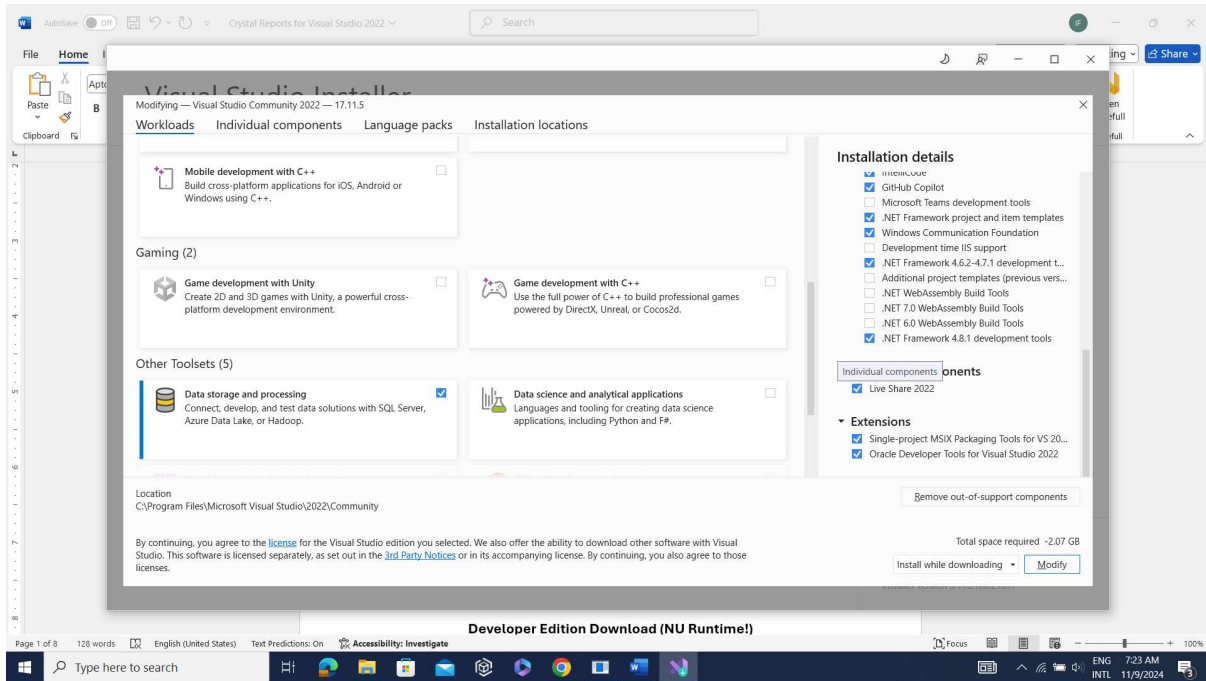


Fig.1.c ASP.NET and Web development -> vezi si optiuni dreapta (**Installation details**)- de bifat pentru a putea lucra cu Web Forms. Recomandat si *Data storage and processing*

2. Instalare Oracle 21c XE

(<https://www.oracle.com/database/technologies/xe-downloads.html>)

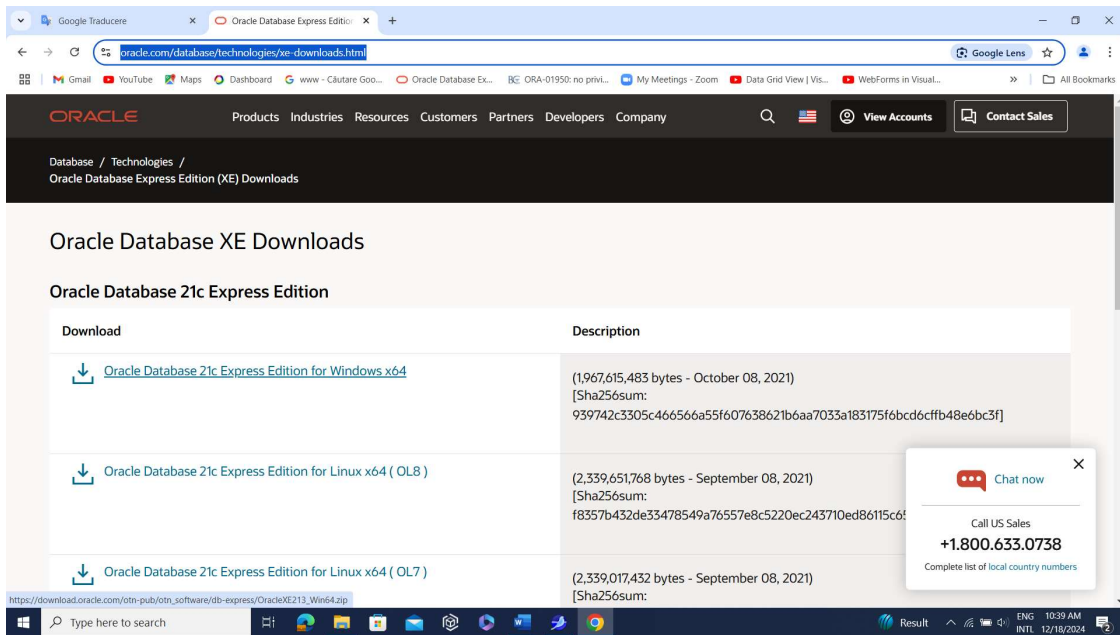
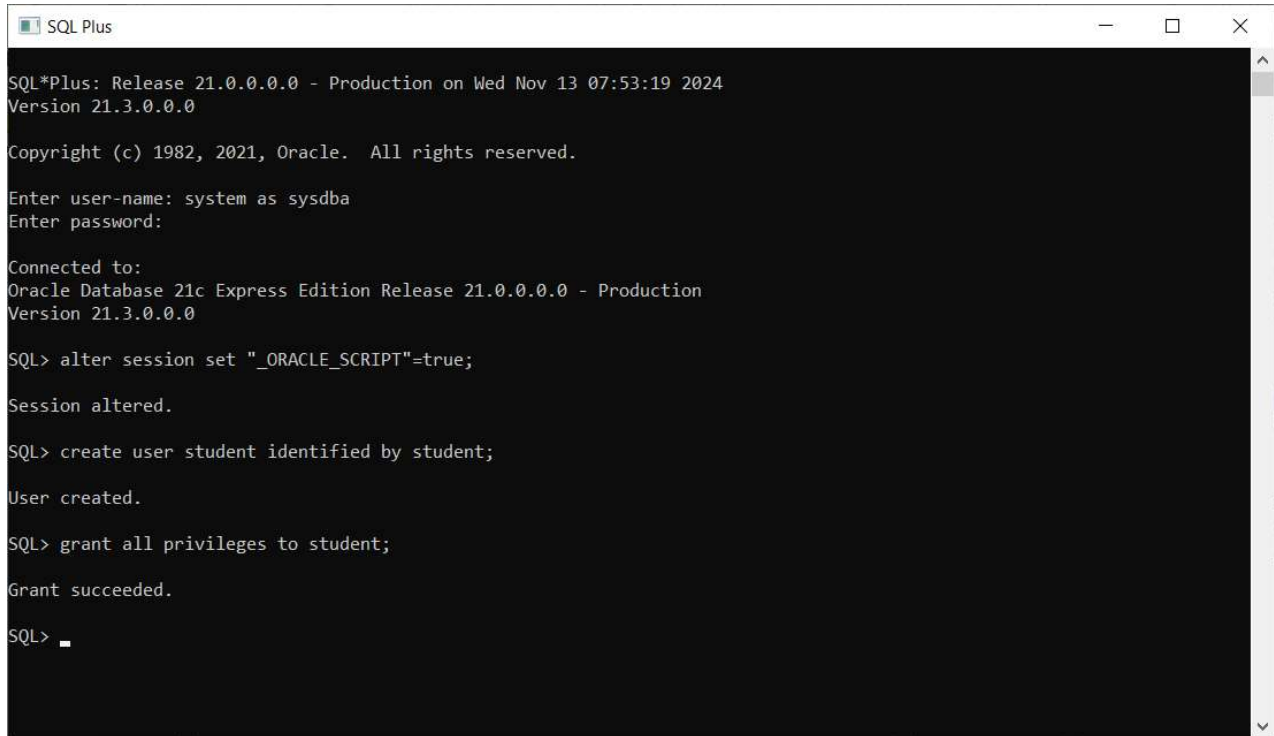


Fig.2.a Oracle 21c XE - [Oracle Database 21c Express Edition for Windows x64](#)

A. Creare user Oracle



```
SQL*Plus: Release 21.0.0.0.0 - Production on Wed Nov 13 07:53:19 2024
Version 21.3.0.0.0

Copyright (c) 1982, 2021, Oracle. All rights reserved.

Enter user-name: system as sysdba
Enter password:

Connected to:
Oracle Database 21c Express Edition Release 21.0.0.0.0 - Production
Version 21.3.0.0.0

SQL> alter session set "_ORACLE_SCRIPT"=true;

Session altered.

SQL> create user student identified by student;

User created.

SQL> grant all privileges to student;

Grant succeeded.

SQL> _
```

Fig. 2.b Creare user baza de date (Oracle 21c Express Edition): *student* (cu parola tot *student*)

```
alter session set "_ORACLE_SCRIPT"=true;
create user student identified by student;
grant all privileges to student;
```

```
SQL Plus
Grant succeeded.

SQL> disc
Disconnected from Oracle Database 21c Express Edition Release 21.0.0.0.0 - Production
Version 21.3.0.0.0
SQL> conn student
Enter password:
Connected.
SQL> create table test (id int primary key, nume varchar(10), salar int);

Table created.

SQL> insert into test values (1,;ion',1000);
ERROR:
ORA-01756: quoted string not properly terminated

SQL> insert into test values (1,'ion',1000);

1 row created.

SQL> insert into test values (2,'dan',2000);

1 row created.

SQL> commit;

Commit complete.

SQL>
```

Fig. 2.c Deconectare (disc) user *system*, conectare cu user *student*, creare tabela TEST si inserare cateva linii

Cod complet (rulabil in client Oracle SQL Plus)

```
conn system/***** as sysdba
alter session set "_ORACLE_SCRIPT"=true;
create user student identified by student;
grant all privileges to student;
disc

conn student/student
create table test (id int primary key, nume varchar(10), salar int);
insert into test values (1, 'ion', 1000);
insert into test values (2, 'dan', 2000);
commit;

create table pacient(id int primary key, nume varchar(10), nastere date);
insert into pacient values(1, 'ion', '01-JAN-2022');
insert into pacient values(2, 'dan', '01-NOV-2012');
commit;

create table imagine (id int primary key, imag blob);
commit;
--comentariu
```

3. Cu instalare ODT

(Oracle Developer Tools- conform [recomandarii](#) (**obligatoriu** pentru aplicatii Windows desktop, optional pentru Web Forms unde inca functioneaza *Provider deprecated*)

<https://marketplace.visualstudio.com/items?itemName=OracleCorporation.OracleDeveloperToolsForVisualStudio2022>

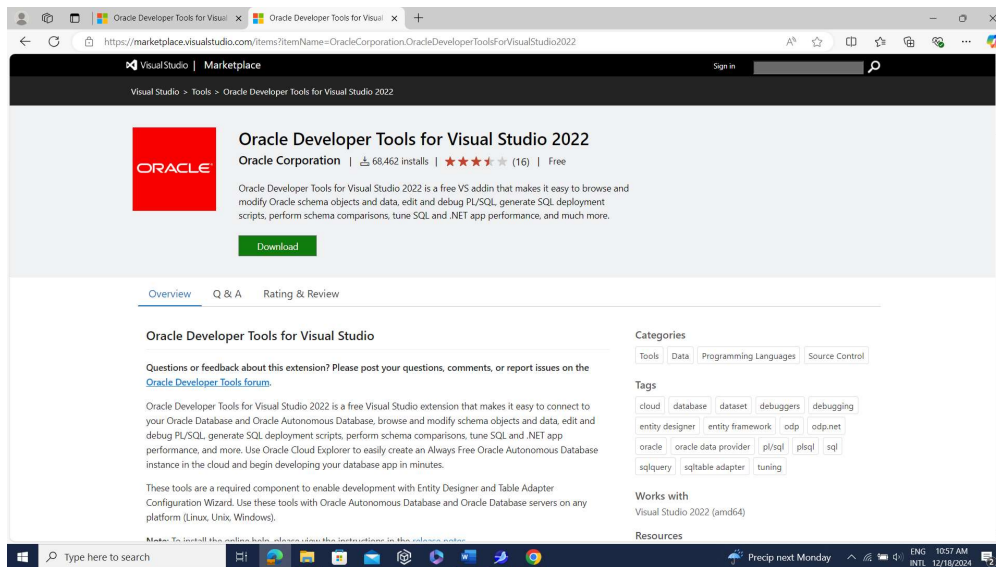


Fig. 3.a Oracle Developer Tools for Visual Studio 2022

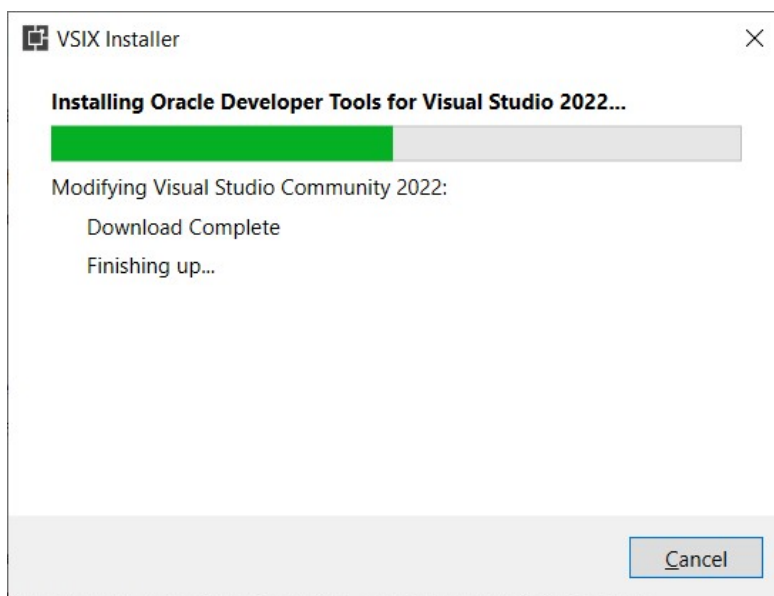


Fig. 3.b Instalare ODT for Visual Studio 2022

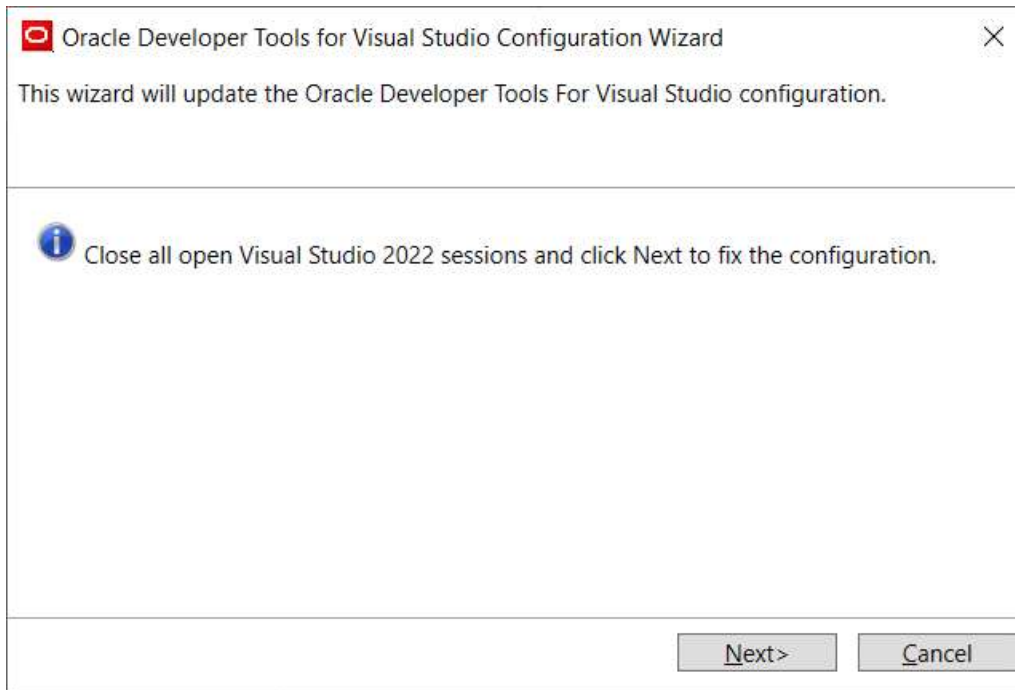


Fig. 3.c Inchidere VS 2022!

Sau poate si de aici (neverificat): [Oracle Developer Tools for Visual Studio](https://www.oracle.com/database/technologies/developer-tools/visual-studio/)

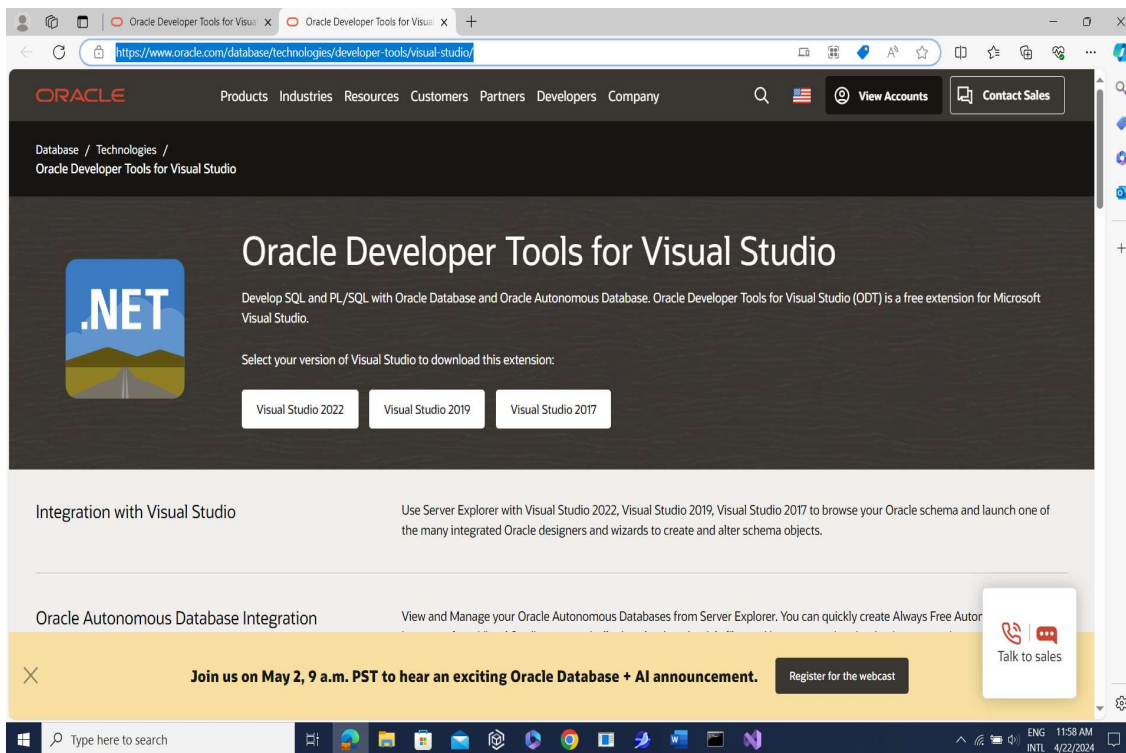


Fig. 3.d <https://www.oracle.com/database/technologies/developer-tools/visual-studio/>

4. Instalare Oracle SQL DEVELOPER

(<https://www.oracle.com/database/sqldeveloper/technologies/download/>)

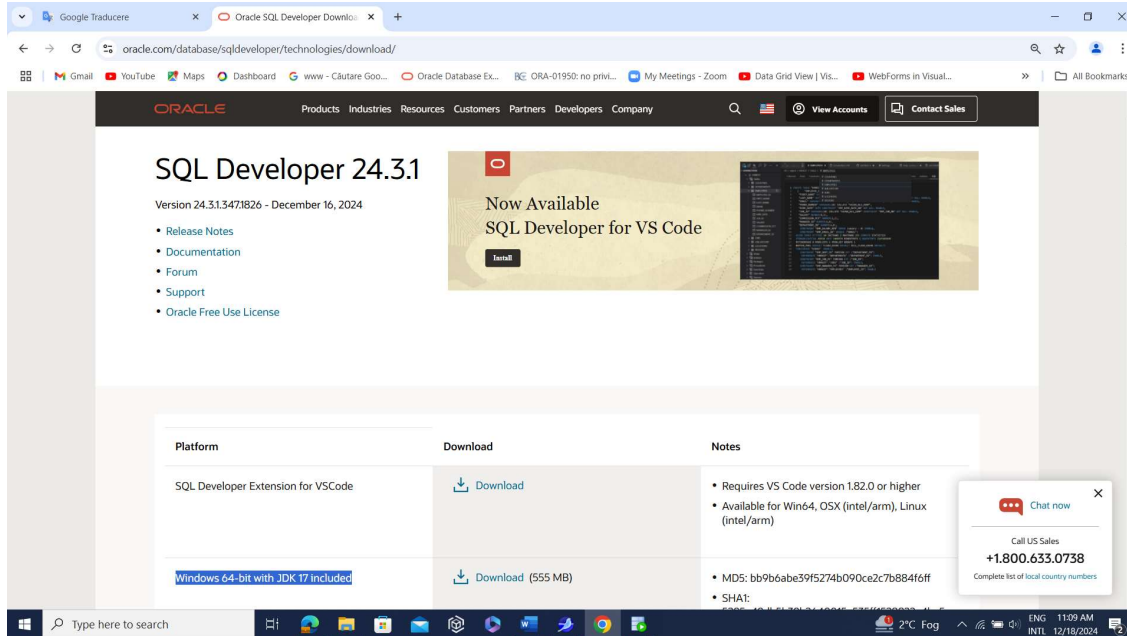


Fig. 4.a Windows 64-bit with JDK 17 included

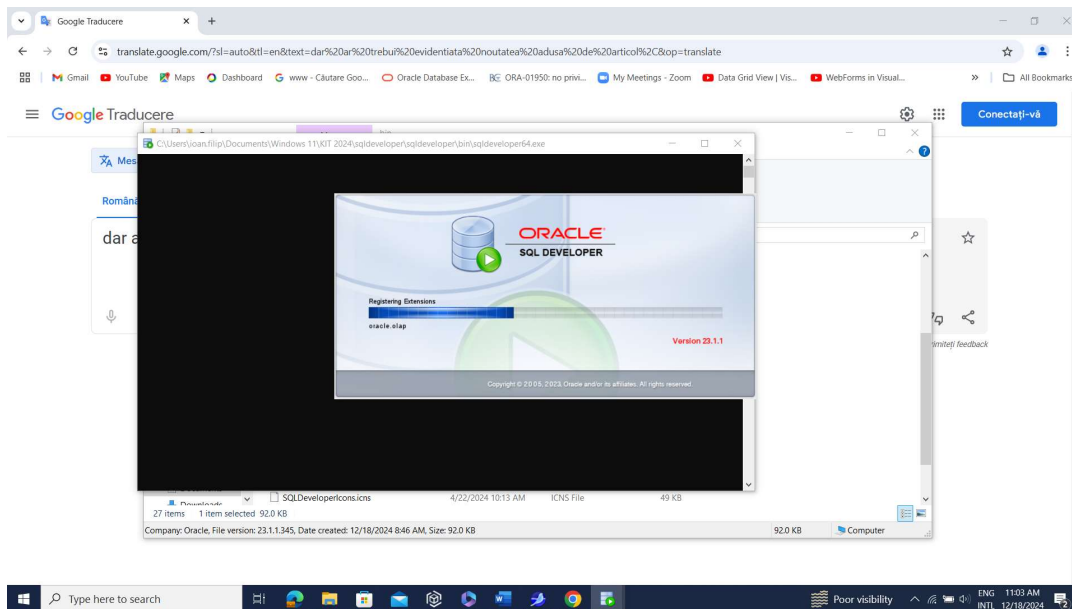


Fig. 4.b Instalare – practice despachetare zip -

- apoi rulare `...\\sqldeveloper\\sqldeveloper\\bin\\sqldeveloper64.exe`

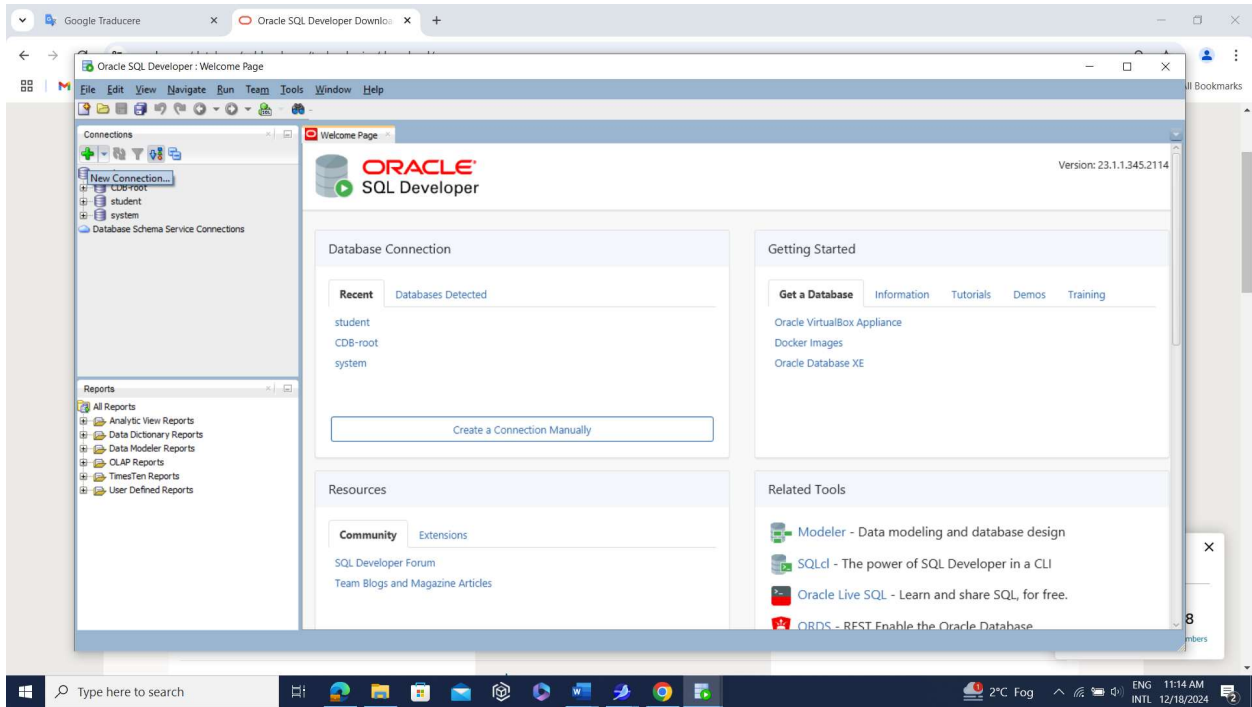


Fig. 4.c + adaugare Conexiuni

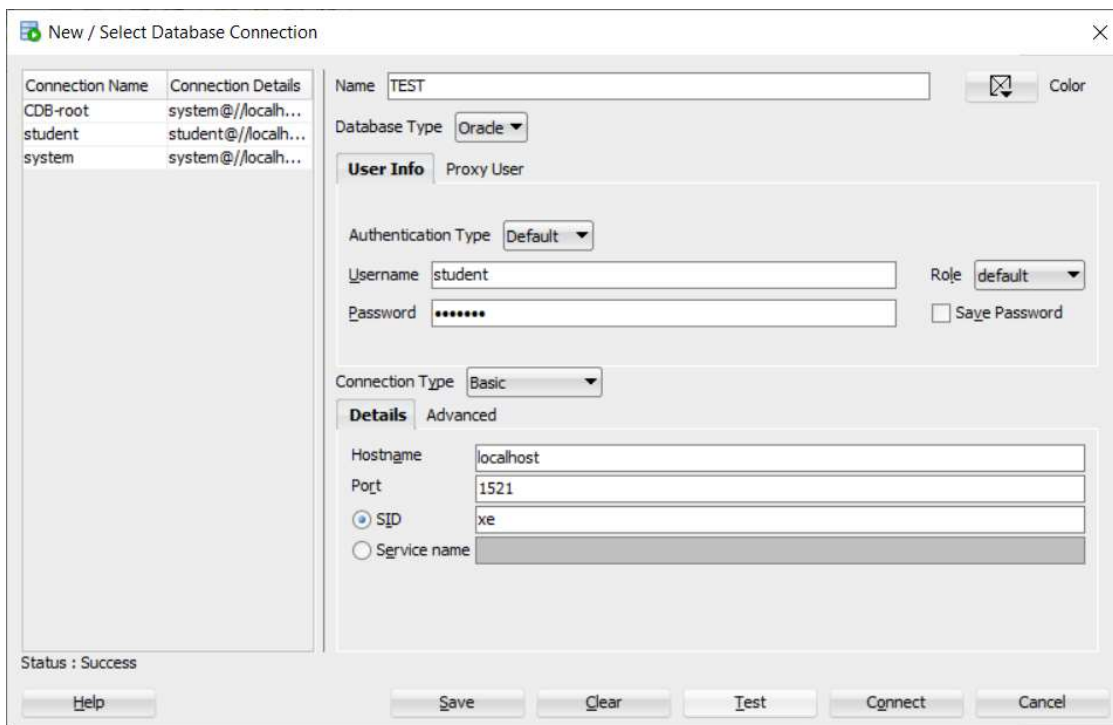


Fig. 4.d Conexiune user *student*

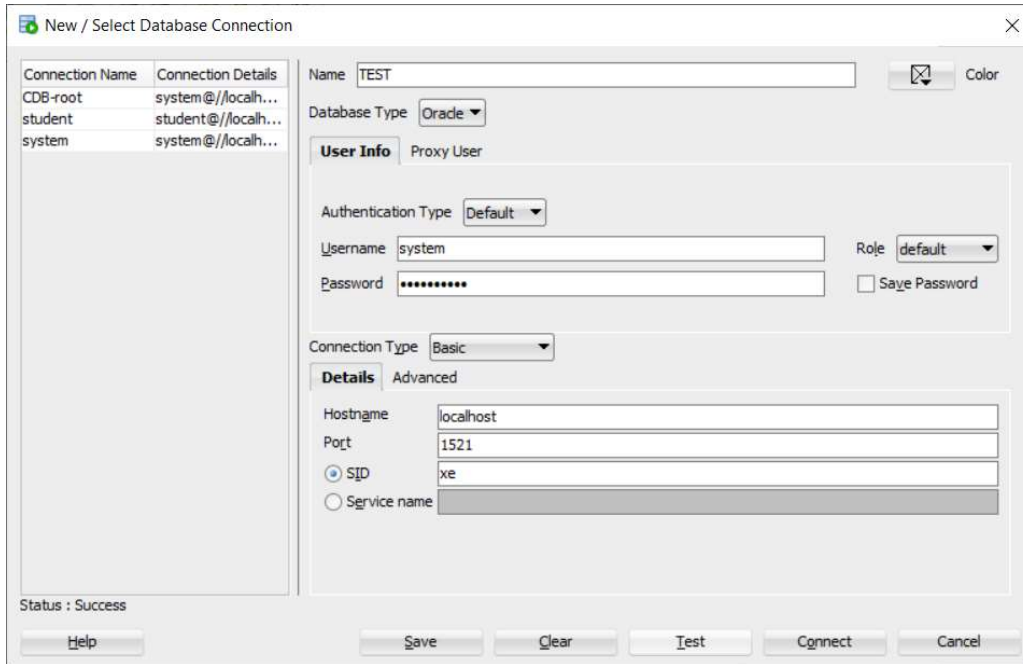


Fig. 4.e Conexiune user *system*

5. Instalare Crystal Reports for Visual Studio 2022

- Am ales SP33, dar pot fi alese si alte versiuni:

<https://www.tektutorialshub.com/crystal-reports/download-crystal-reports-for-visual-studio-2022/>

You can download the latest edition from the [link](#). It requires you to register and download the latest Service Pack. **Scroll down to get direct download** (without registration) links for Crystal Reports for Visual Studio.

Crystal Reports Version	Supported IDE	Developer Edition Download	Runtime Download
Service Pack 35	VS 2022	SP 35	32 Bit 64 Bit
Service Pack 34	VS 2022	SP 34	32 Bit 64 Bit
Service Pack 33	VS 2022	SP 33	32 Bit 64 Bit

*This is a 64Bit Installer. Will not work if your OS is 32 bit

Fig. 5.a Crystal Reports for Visual Studio 2022 (SP33)

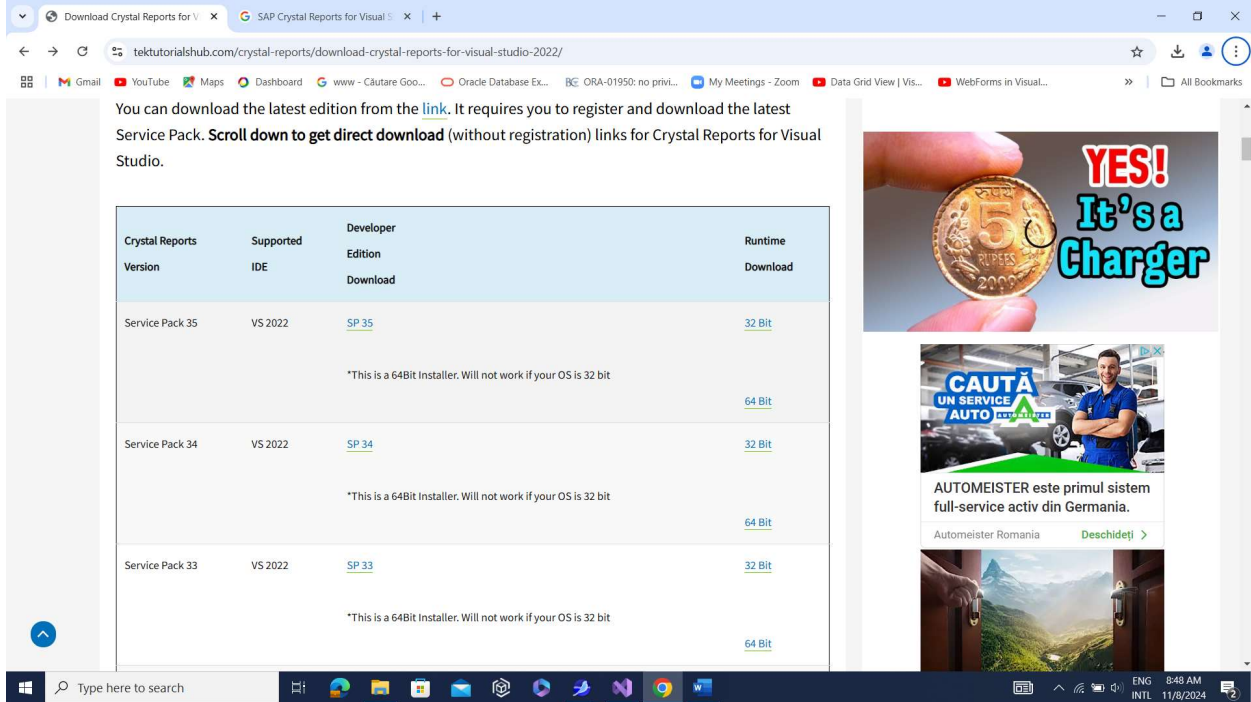


Fig. 5.b Prima oara se descarca **64 Bit** : CRRuntime_64bit_13_0_33.msi (*posibil sa nu fie necesar*) si se ruleaza

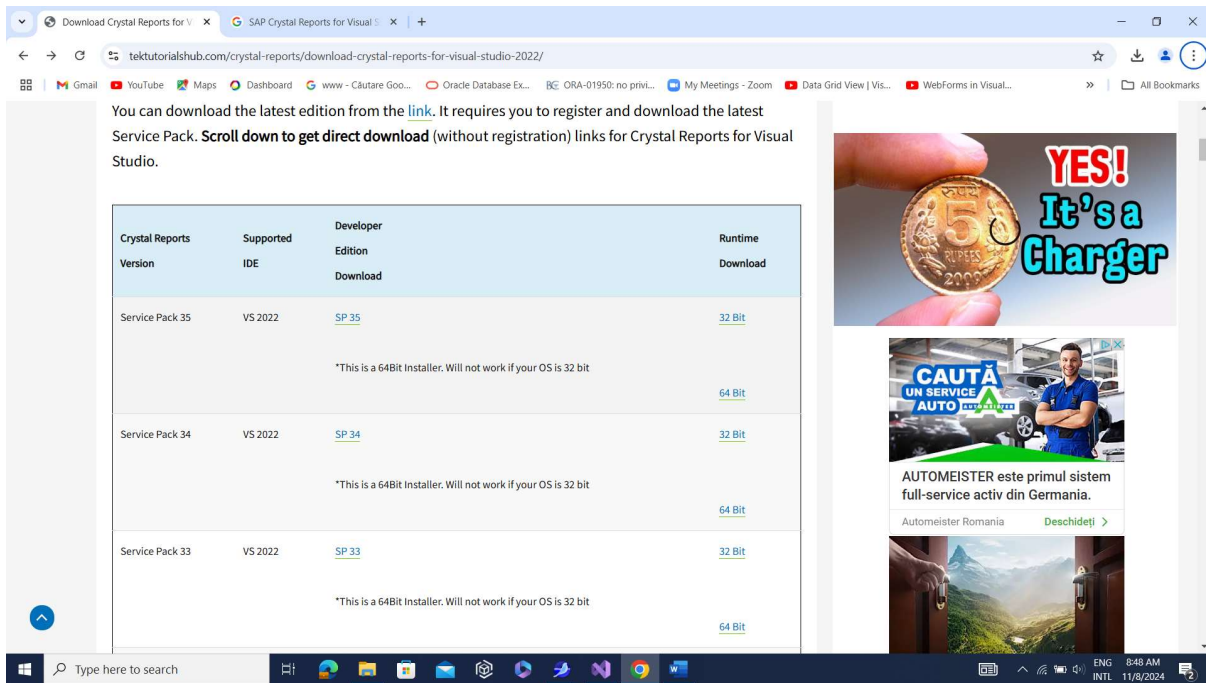


Fig. 5.c Se descarca zip **SP33** –

- se despacheteaza si ruleaza **CRforVS6413SP33_0-80007712.zip (posibil ca pas anterior sa nu fie necesar)**

Posibil sa ceara si instalarea urmatoare (mai ales pentru Windows 11):

<https://www.microsoft.com/en-us/download/details.aspx?id=40784>

Visual C++ Redistributable Packages for Visual Studio 2013

The Visual C++ Redistributable Packages install run-time components that are required to run C++ applications that are built by using Visual Studio 2013. For an updated version of these redistributable packages, see KB 3138367.

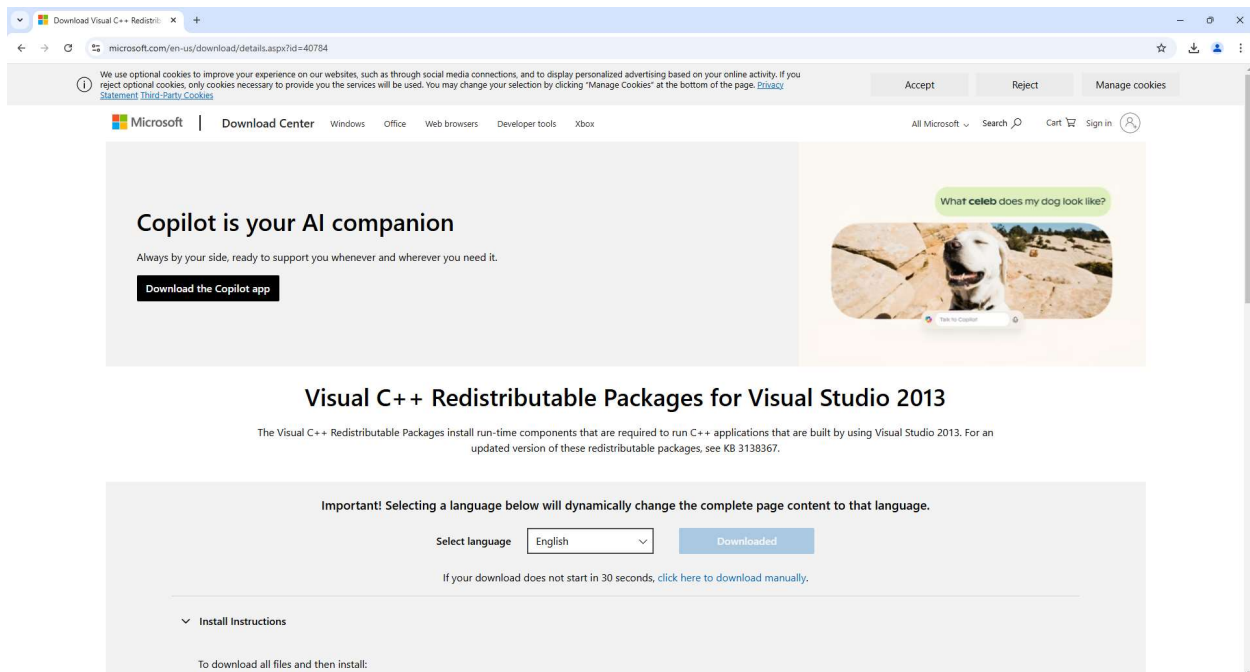


Fig. 5.d Visual C++ Redistributable Packages for Visual Studio 2013

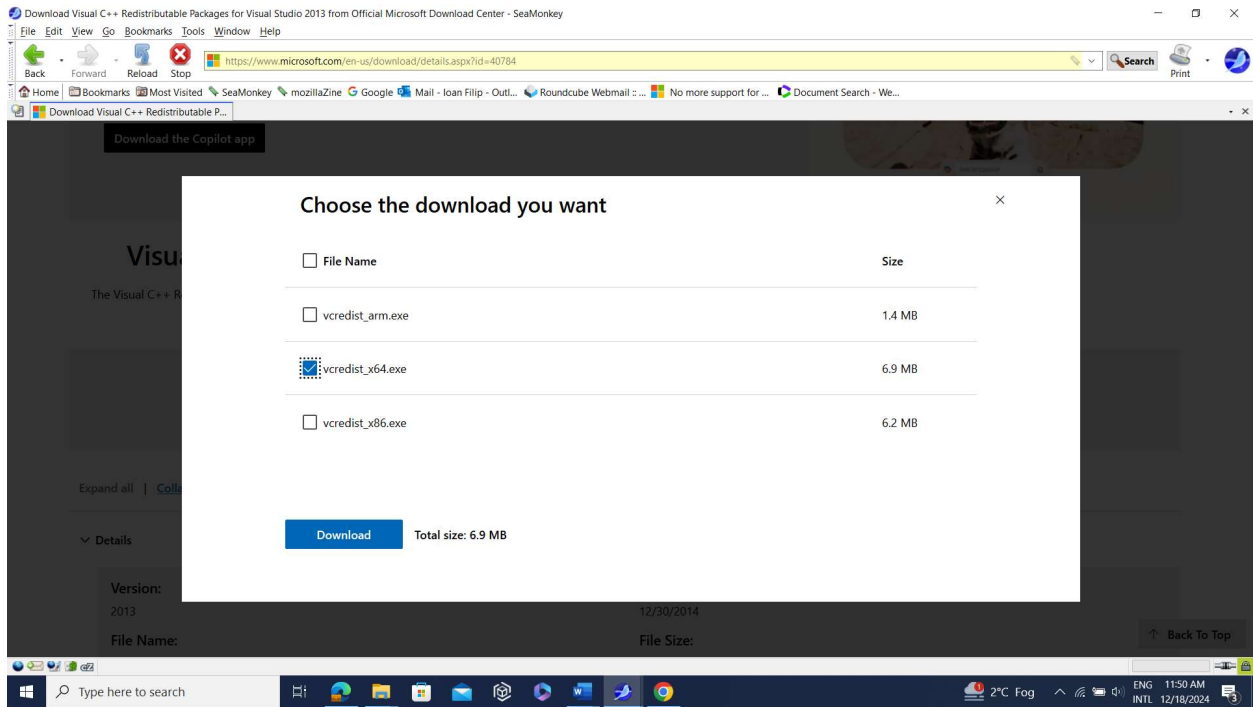


Fig. 5.e **vcredist_x64.exe**

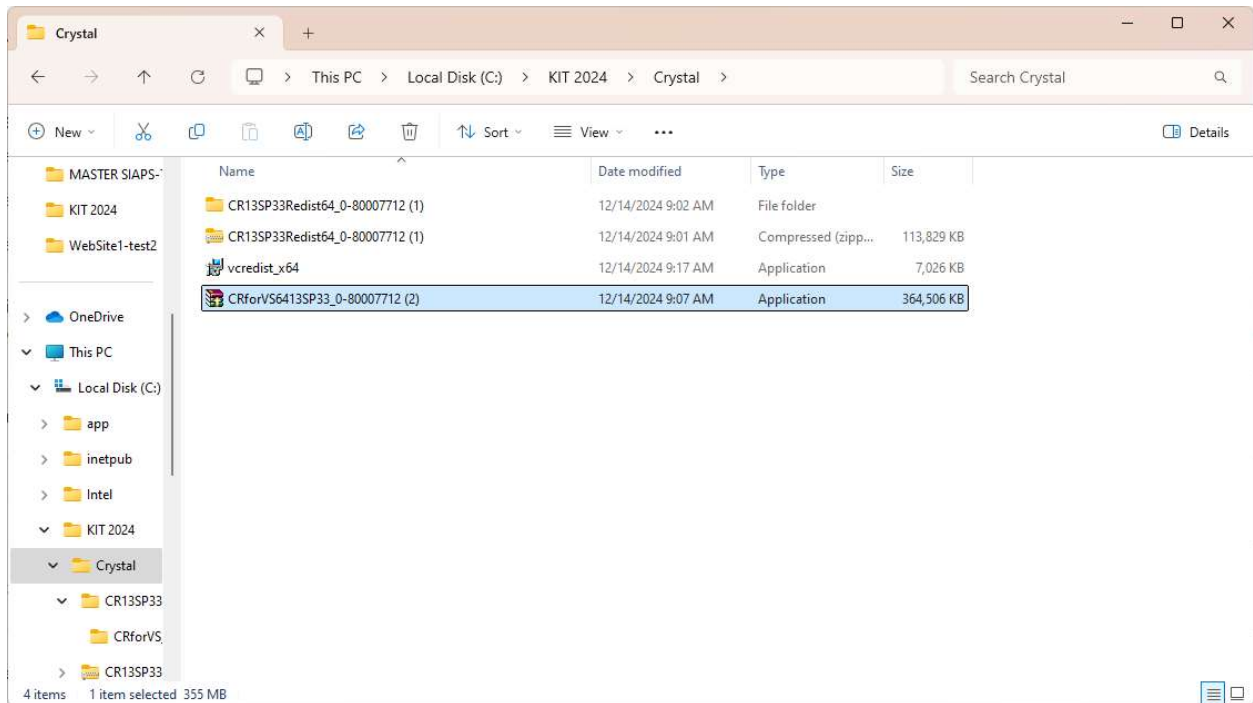


Fig. 5.f Imagine cu kit-uri necesare (orientative ca denumire)

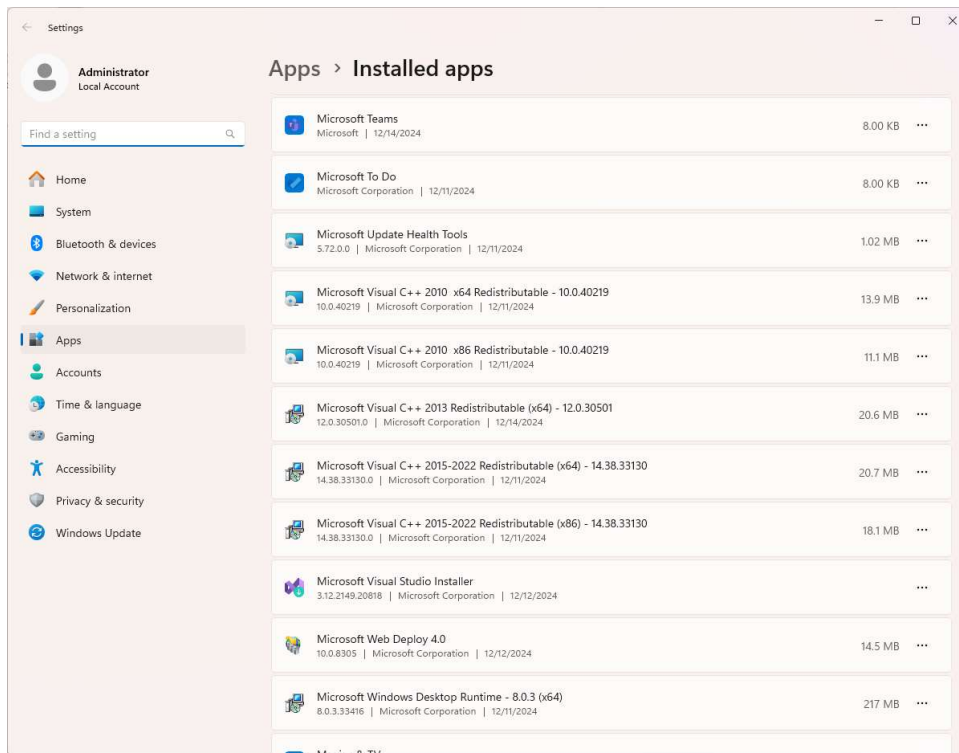


Fig. 5.g Microsoft Visual C++... x64 Redistributable – vizualizare pachete instalate (Windows 11)

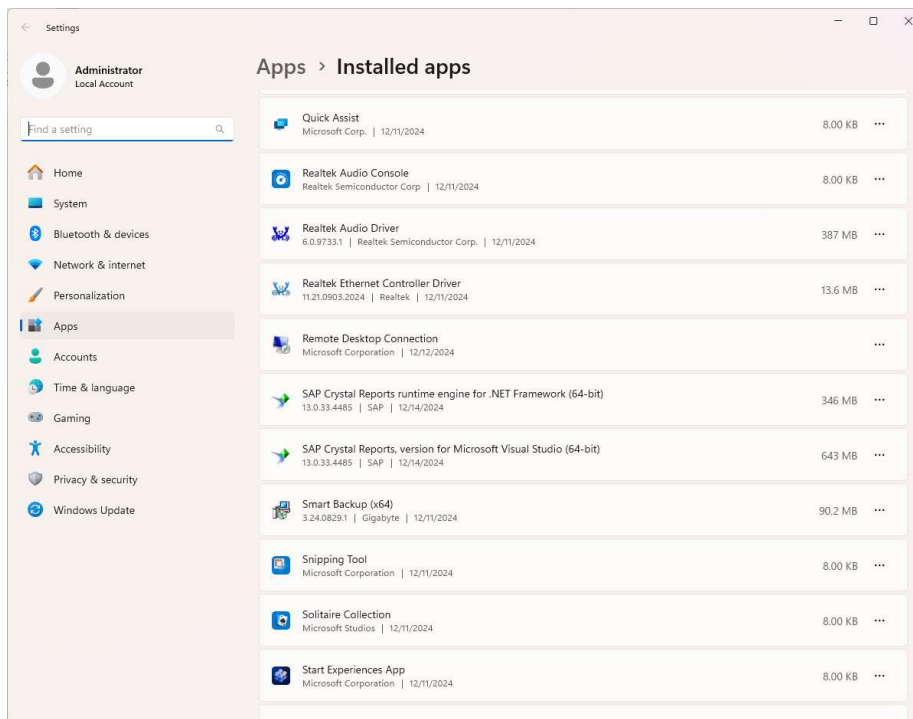


Fig. 5.h Pachete SAP Crystal Reports...

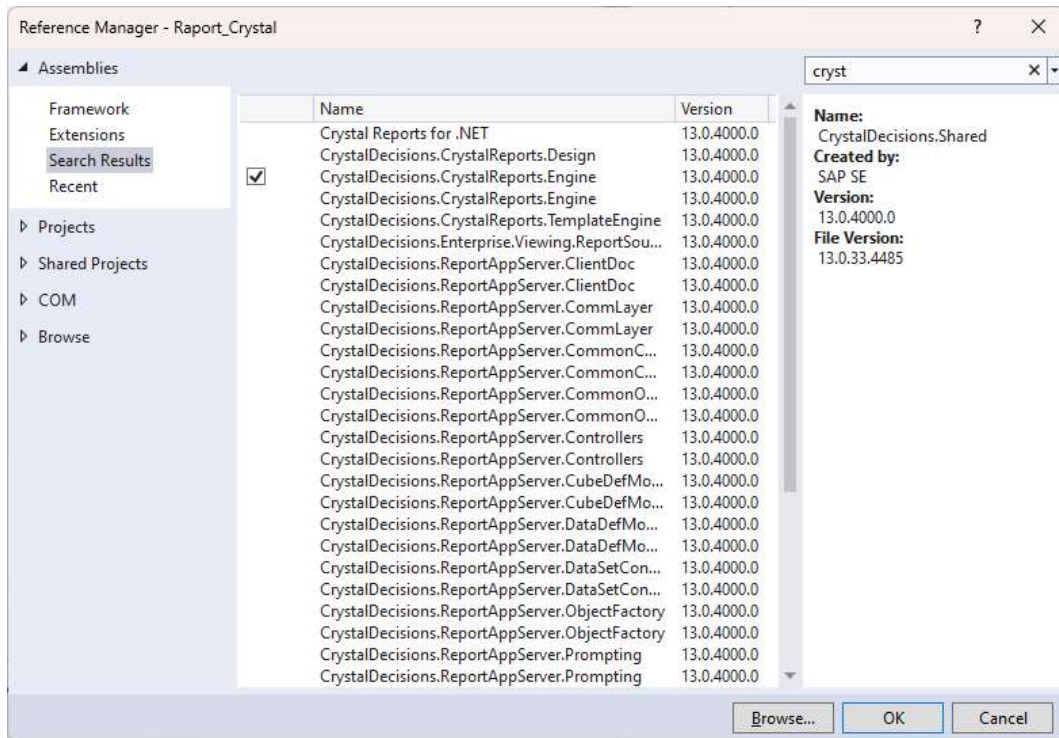


Fig. 5.i Pachete Crystal Reports...in Visual Studio

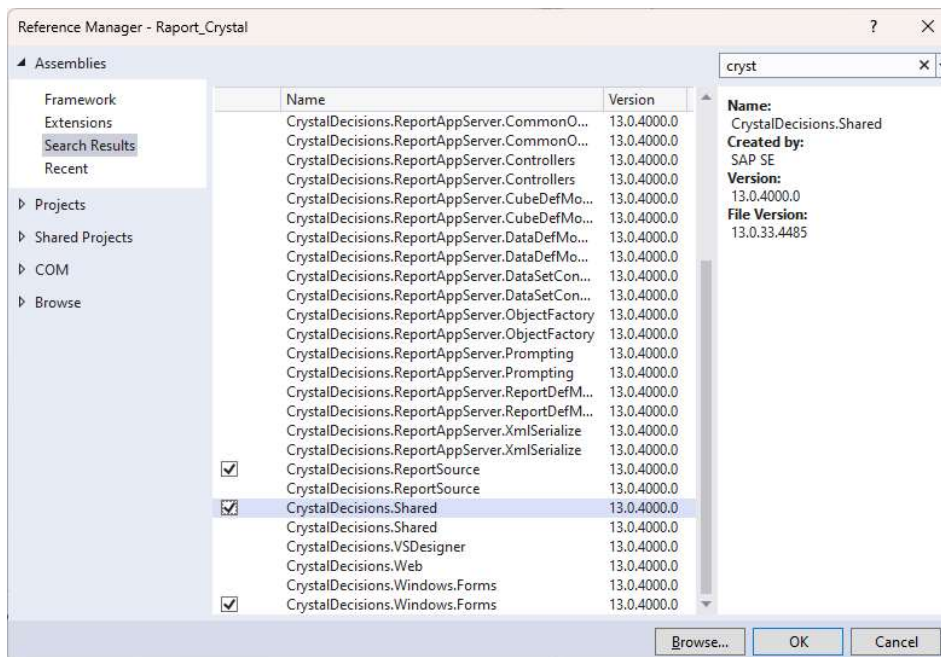


Fig. 5.j Pachete Crystal Reports...in Visual Studio

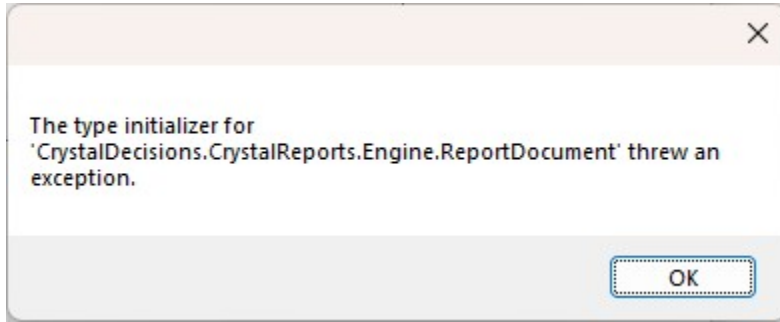


Fig. 6.a Eroare la aplicatii **Windows desktop**– trebuie ales **X64** in loc de Any CPU

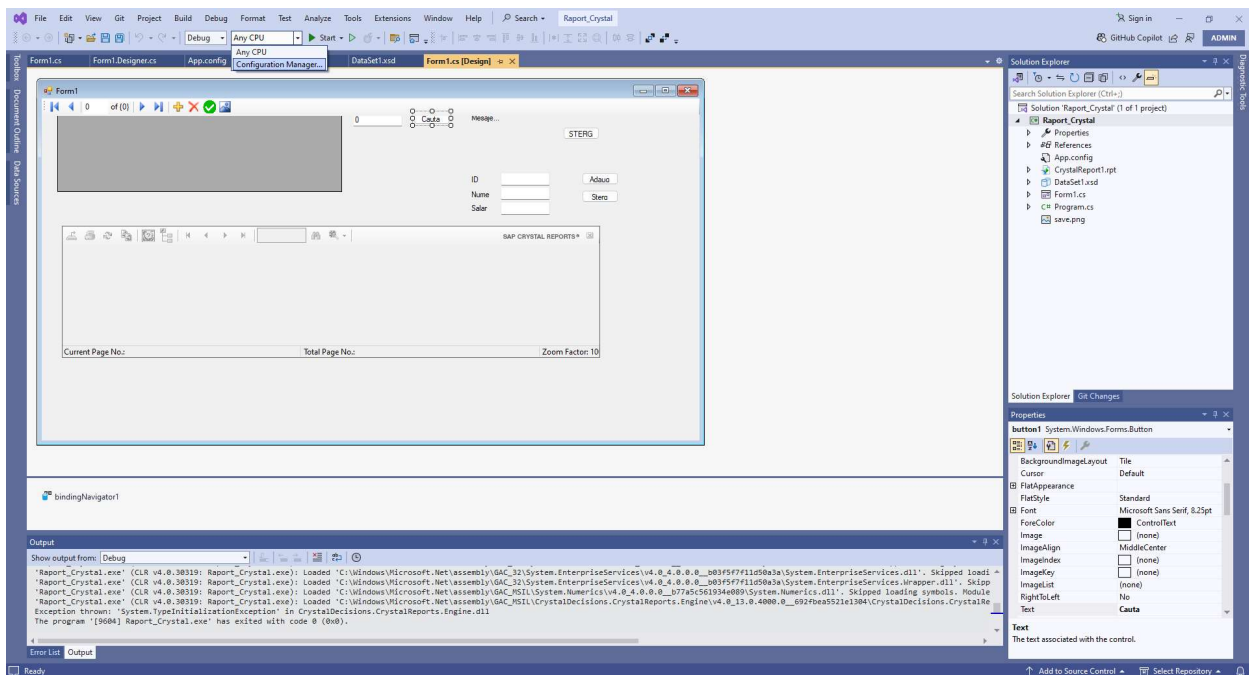


Fig. 6.b Configurare: **X64** in loc de Any CPU (inainte de rulare)

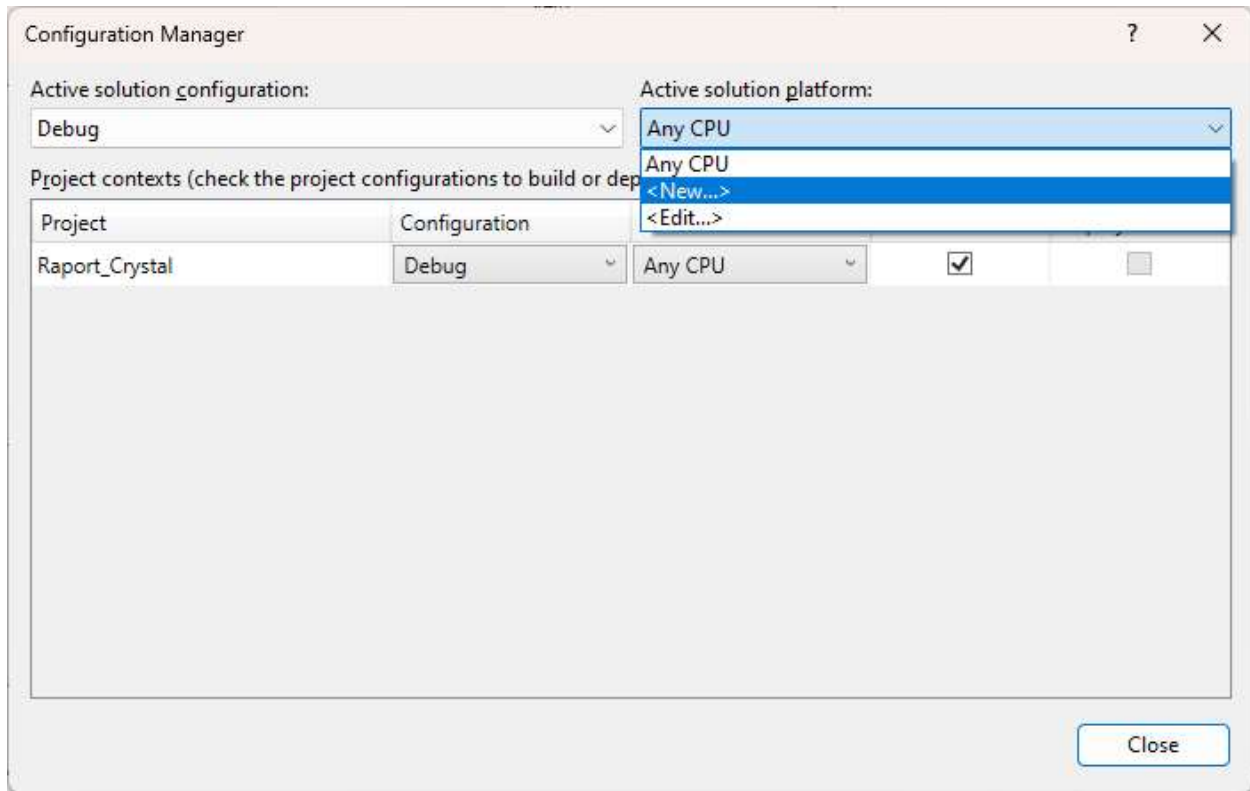


Fig. 6.c New: X64 in loc de Any CPU (configurare)

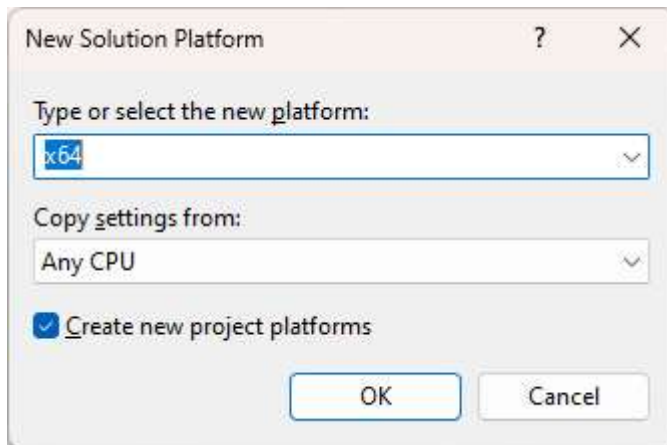


Fig. 6.d X64 in loc de Any CPU

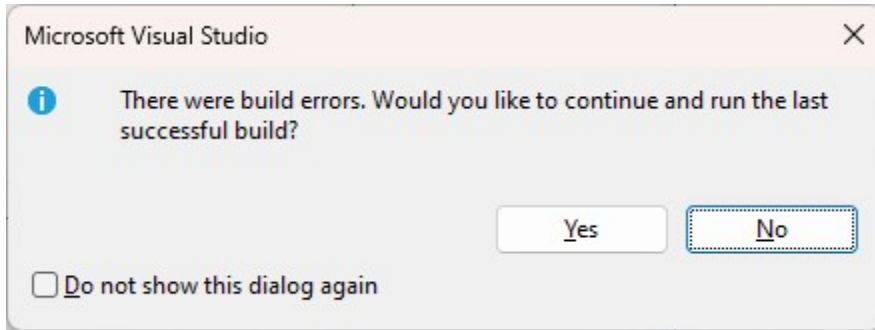


Fig. 7.a Eroare (desktop)-Trebuie cu NuGet la utilizare ODT (deci cu Oracle Data Provider), nu cu Add reference: Oracle...

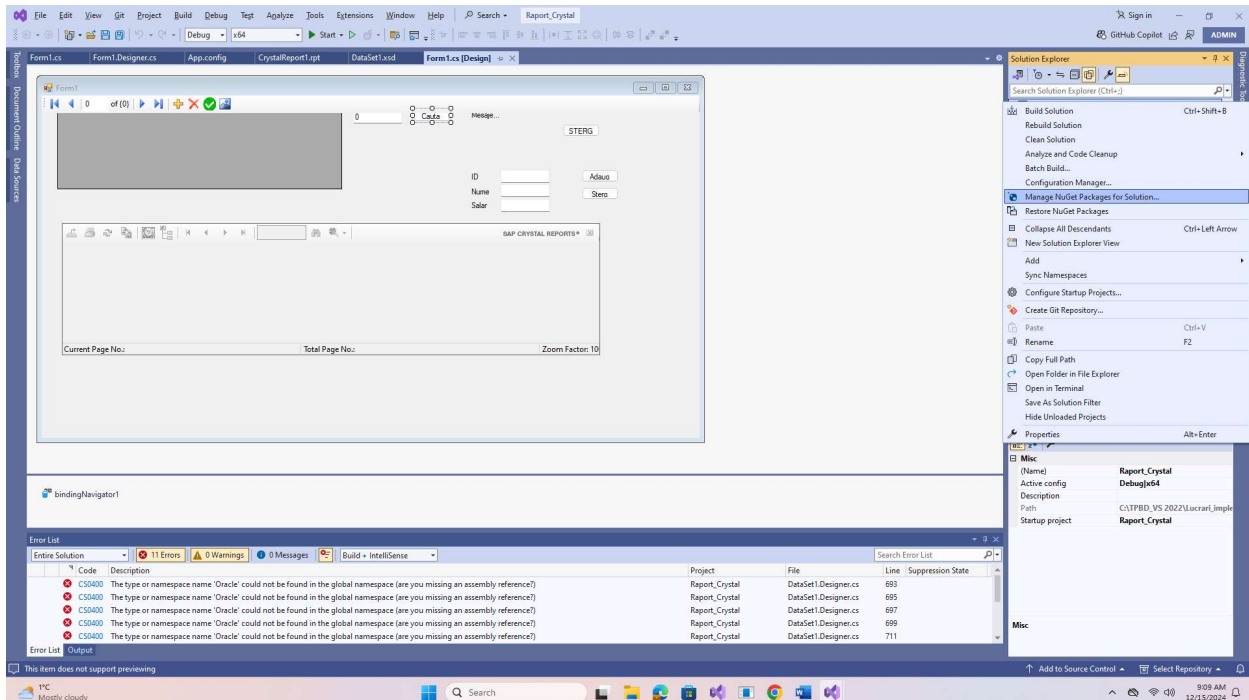


Fig. 7.b Manage NuGet Packages...

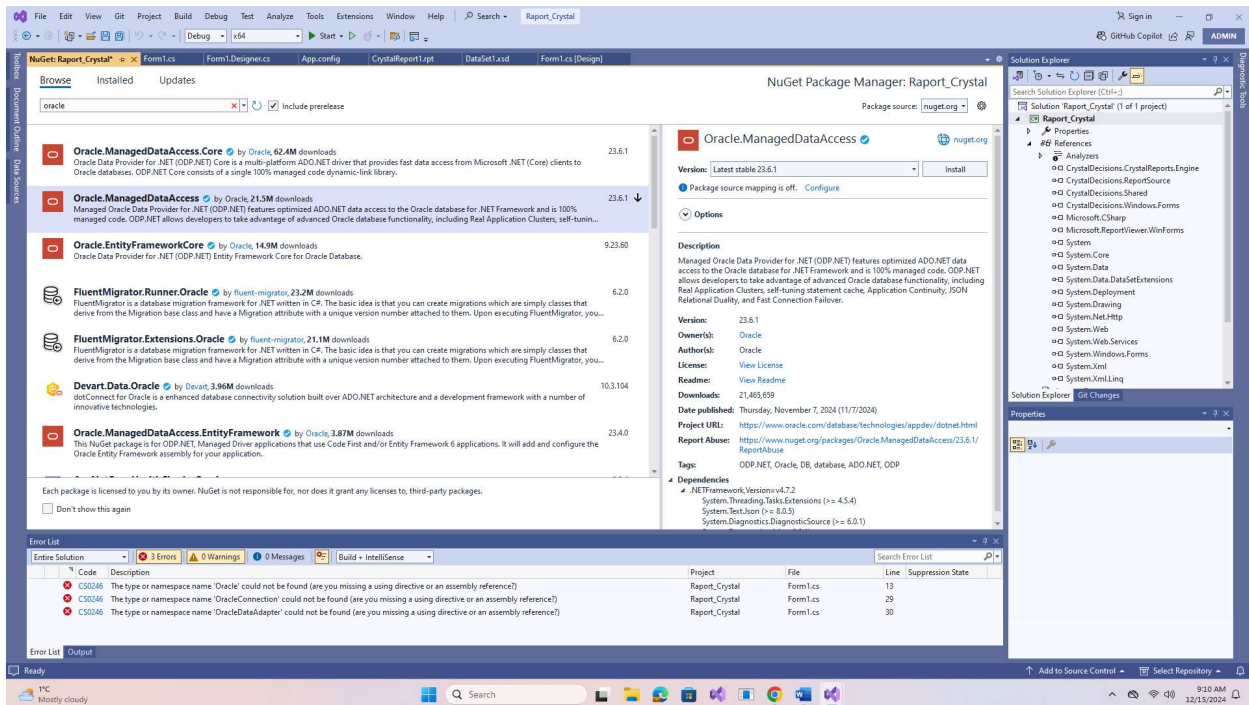


Fig. 7.c Oracle.ManagedDataAccess → Install