

▶ Chapter 02: PostgreSQL 설치

# SQL 활용 프로그래밍

## SQL Application Programming





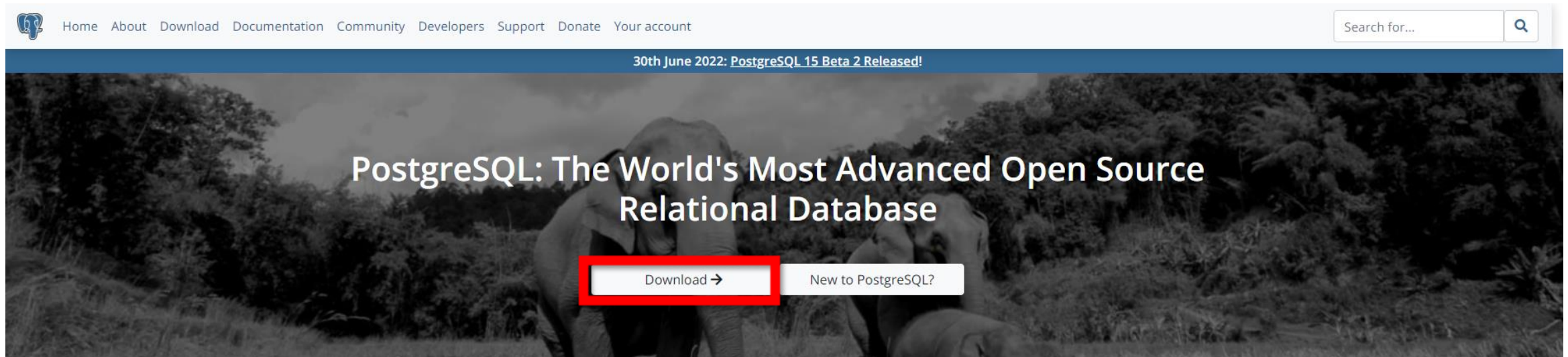
# CHAPTER 02 PostgreSQL 설치

PostgreSQL 설치와 설치확인에 대하여 알아본다.

# SECTION 01 PostgreSQL 설치

## PostgreSQL 설치

- <https://www.postgresql.org> 접속 >> Download



# SECTION 01 PostgreSQL 설치

## PostgreSQL 설치

- Windows >> Download the installer

30th June 2022: PostgreSQL 15 Beta 2 Released!

### Quick Links

- Downloads
  - Packages
  - Source
- Software Catalogue
- File Browser

### Downloads

#### PostgreSQL Downloads

PostgreSQL is available for download as ready-to-use packages or installers for various platforms, as well as a source code archive if you want to build it yourself.

#### Packages and Installers

Select your operating system family:

 Linux

 macOS

 Windows

 BSD

 Solaris

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### Quick Links

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### Windows installers

#### Interactive installer by EDB

**Download the installer** certified by EDB for all supported PostgreSQL versions.

**Note!** This installer is hosted by EDB and not on the PostgreSQL community servers. If you have issues with the website it's hosted on, please contact [webmaster@enterprisedb.com](mailto:webmaster@enterprisedb.com).

This installer includes the PostgreSQL server, pgAdmin; a graphical tool for managing and developing your databases, and StackBuilder; a package manager that can be used to download and install additional PostgreSQL tools and drivers. Stackbuilder includes management, integration, migration, replication, geospatial, connectors and other tools.

This installer can run in graphical or silent install modes.

The installer is designed to be a straightforward, fast way to get up and running with PostgreSQL on Windows.

*Advanced users* can also download a **zip archive** of the binaries, without the installer. This download is intended for users who wish to include PostgreSQL as part of another application installer.

# SECTION 01 PostgreSQL 설치

## PostgreSQL 설치

- Windows x-86-64 버전 다운로드 >> exe파일 열기

### Download PostgreSQL

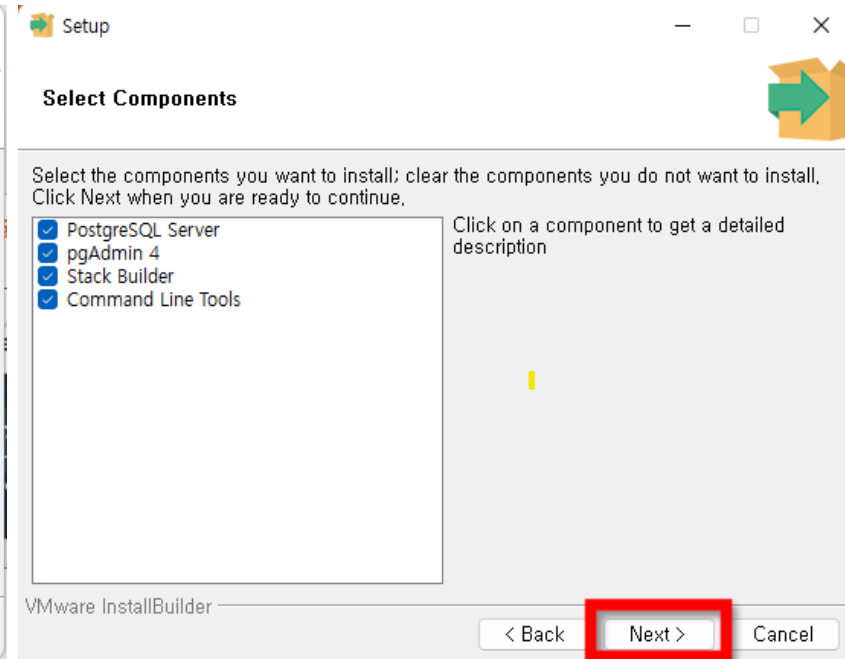
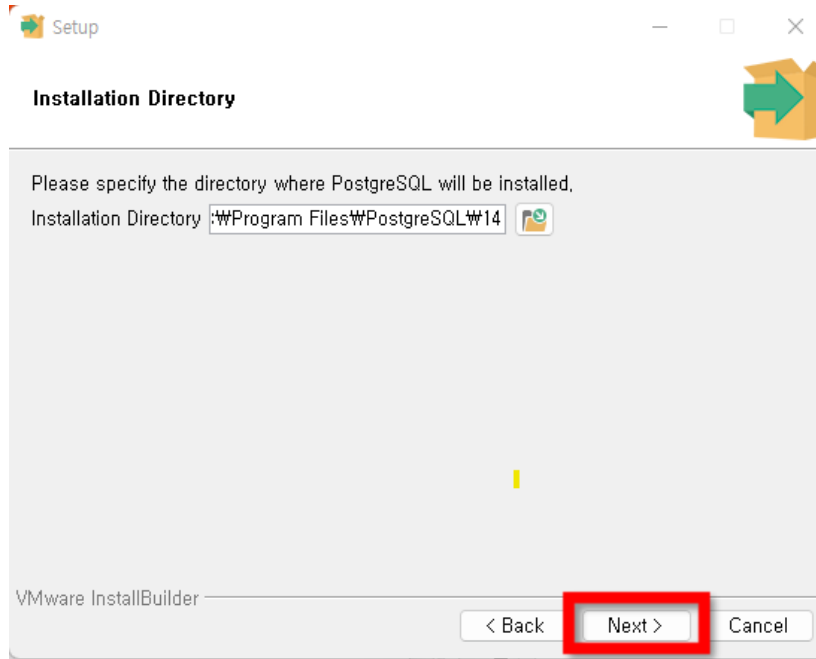
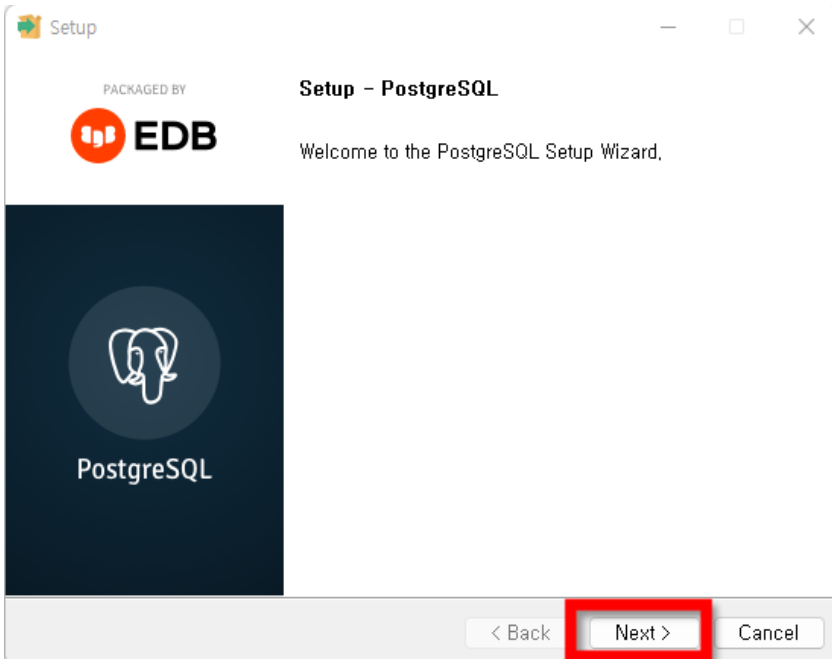
Open source PostgreSQL packages and installers from EDB

PostgreSQL Version	Linux x86-64	Linux x86-32	Mac OS X	Windows x86-64	Windows x86-32
14.4	<a href="#">postgresql.org</a>	<a href="#">postgresql.org</a>			Not supported
13.7	<a href="#">postgresql.org</a>	<a href="#">postgresql.org</a>			Not supported
12.11	<a href="#">postgresql.org</a>	<a href="#">postgresql.org</a>			Not supported
11.16	<a href="#">postgresql.org</a>	<a href="#">postgresql.org</a>			Not supported
10.21					
9.6.24*					
9.5.25*					

# SECTION 01 PostgreSQL 설치

## PostgreSQL 설치

- Next >> 원하는 경로가 없다면 기본경로 그대로 Next >> Next



# SECTION 01 PostgreSQL 설치

## PostgreSQL 설치

- 원하는 데이터 저장 경로가 없다면 기본경로 그대로 Next  
>> 비밀번호 설정 후 Next (비밀번호를 잘 기억해주세요.)  
>> 기본포트 값 5432를 변경하지 않고 Next

The image displays three sequential screenshots of the PostgreSQL Setup wizard, each with a red box highlighting the 'Next >' button.

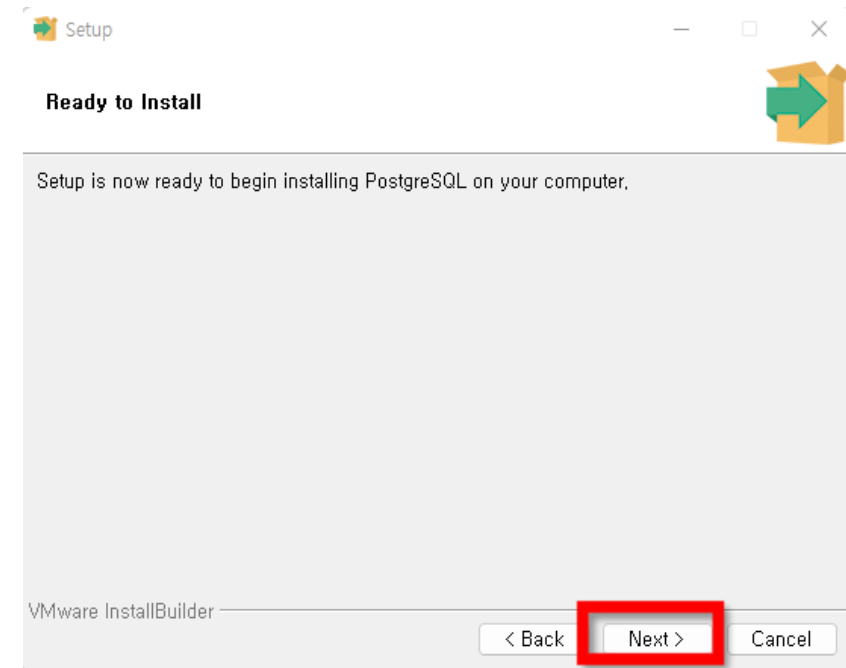
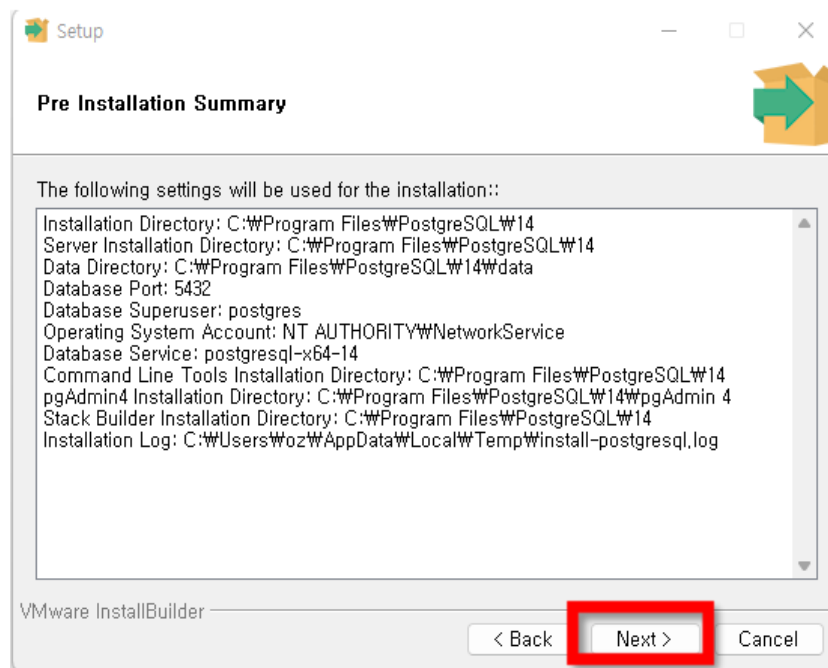
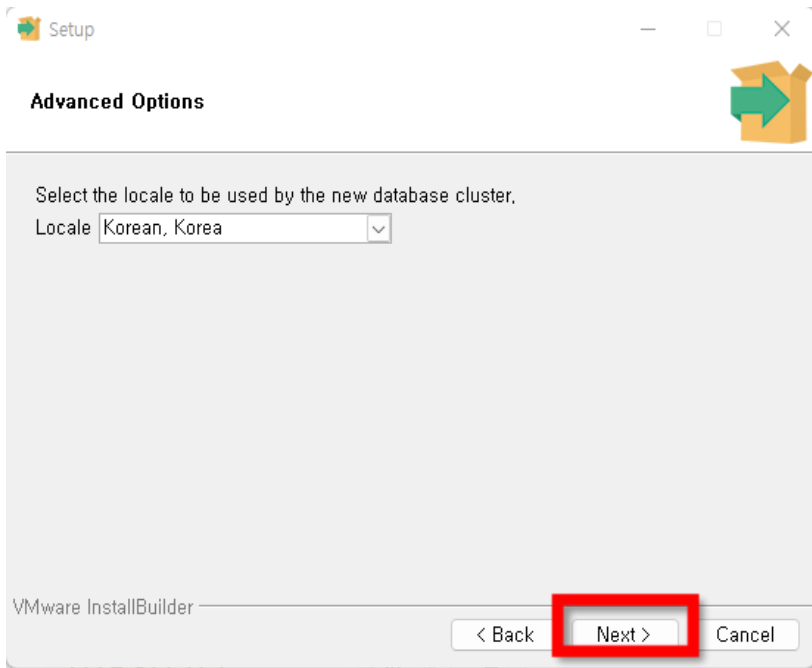
- Data Directory:** The first screenshot shows the 'Data Directory' step. The text reads: 'Please select a directory under which to store your data.' The 'Data Directory' field contains 'gram Files\PostgreSQL\14\data'. A green arrow icon is visible in the top right corner.
- Password:** The second screenshot shows the 'Password' step. The text reads: 'Please provide a password for the database superuser (postgres).' There are two input fields: 'Password' and 'Retype password'. A green arrow icon is visible in the top right corner.
- Port:** The third screenshot shows the 'Port' step. The text reads: 'Please select the port number the server should listen on.' The 'Port' field contains '5432'. A green arrow icon is visible in the top right corner.

Each screenshot is titled 'Setup' and includes a 'VMware InstallBuilder' footer. The 'Next >' button is highlighted with a red box in each window.

# SECTION 01 PostgreSQL 설치

## PostgreSQL 설치

- Locale 에서 Korean, Korea 선택 후 Next >> Next >> Next

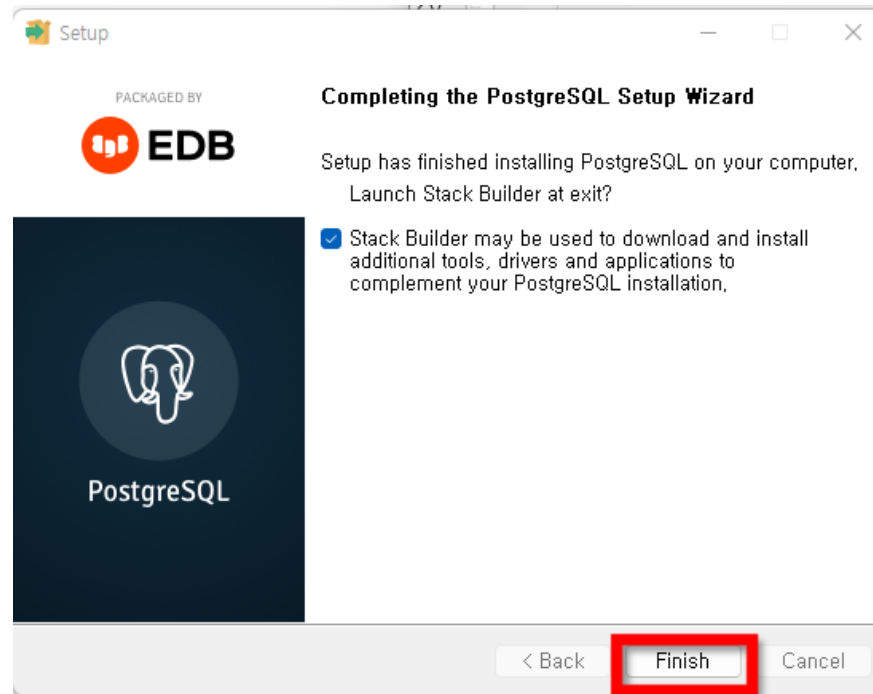
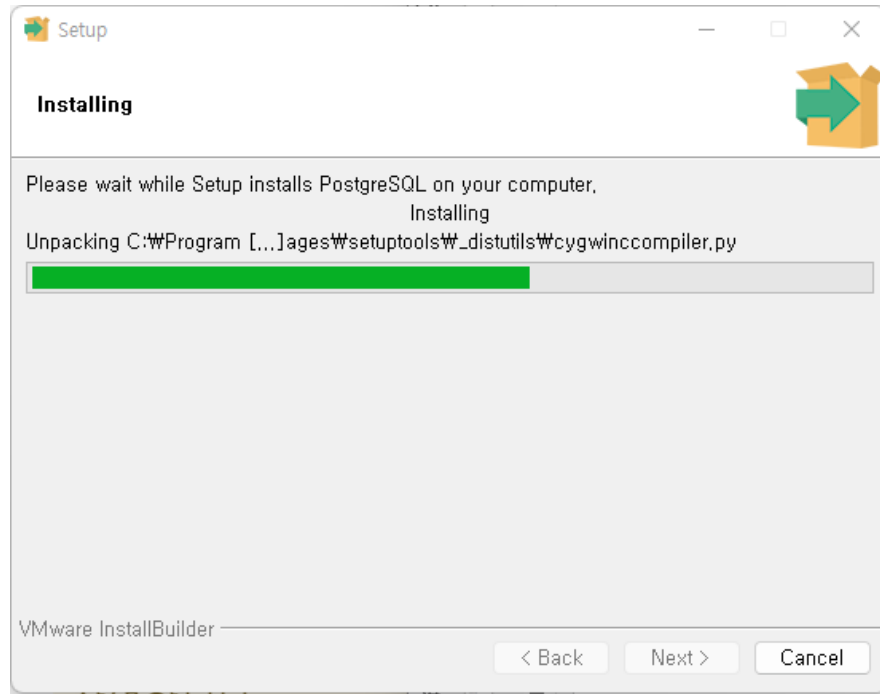




# SECTION 01 PostgreSQL 설치

## PostgreSQL 설치

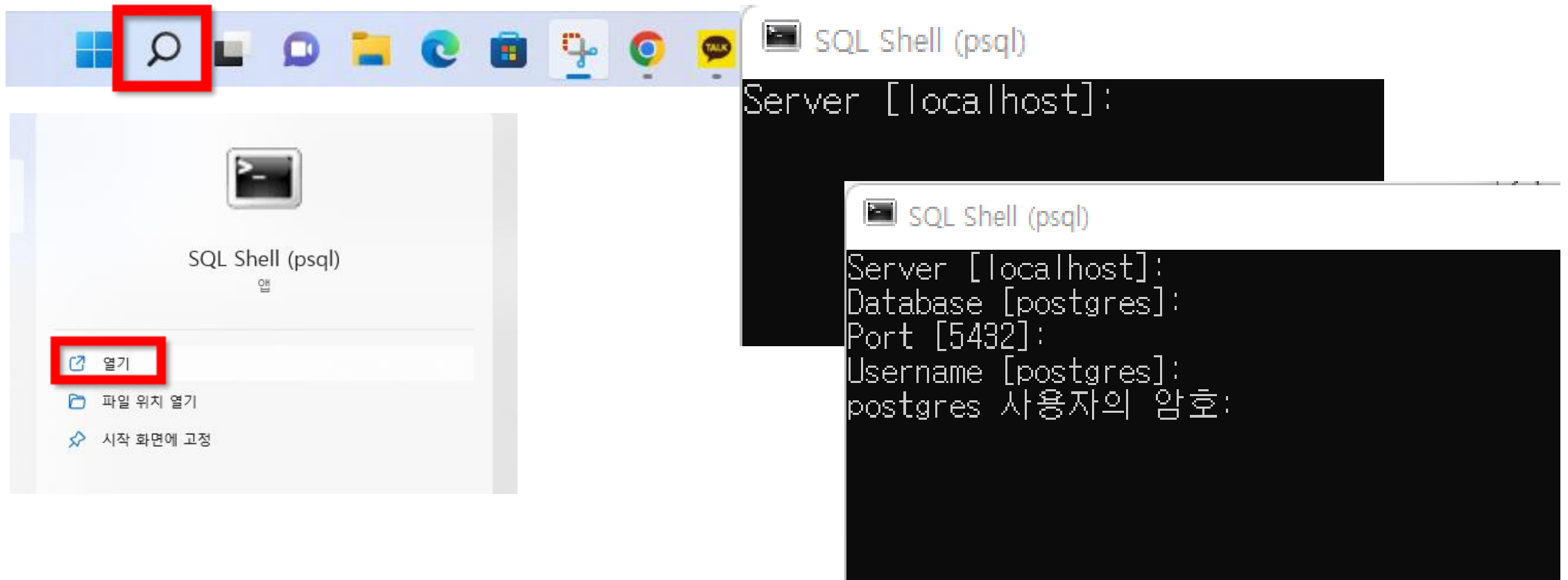
- 설치 진행 >> 체크박스 해제 후 Finish



# SECTION 02 PostgreSQL 설치 확인

## PostgreSQL 설치 확인

- 작업표시줄의 검색기능에 'SQL Shell' 검색 후 실행 >> Enter 키를 네 번 누르고 암호 입력 (PostgreSQL 설치 중 입력했던 비밀번호를 입력하면 됩니다.)



# SECTION 02 PostgreSQL 설치 확인

## PostgreSQL 설치 확인

- SELECT version(); 명령어 입력 후 다음과 같은 결과가 표시 되는 것을 확인

```
SQL Shell (psql)
Server [localhost]:
Database [postgres]:
Port [5432]:
Username [postgres]:
postgres 사용자의 암호:
psql (14.4)
도움말을 보려면 "help"를 입력하십시오.

postgres=#
```

```
SQL Shell (psql)
Server [localhost]:
Database [postgres]:
Port [5432]:
Username [postgres]:
postgres 사용자의 암호:
psql (14.4)
도움말을 보려면 "help"를 입력하십시오.

postgres=# SELECT version();
              version
-----
 PostgreSQL 14.4, compiled by Visual C++ build 1914, 64-bit
(1개 행)

postgres=#
```