

# RDBMS

## Membuat RDBMS untuk data spasial

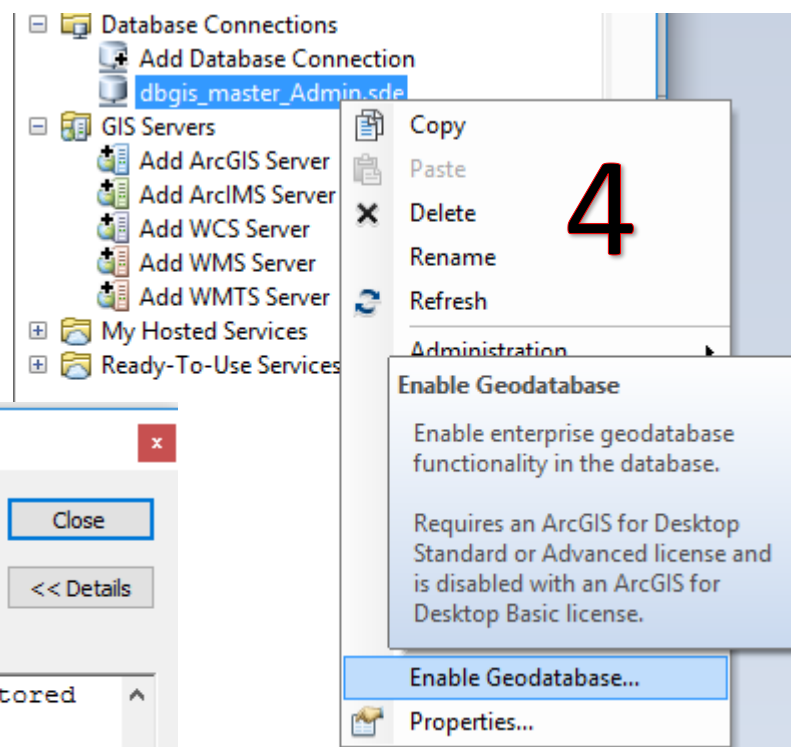
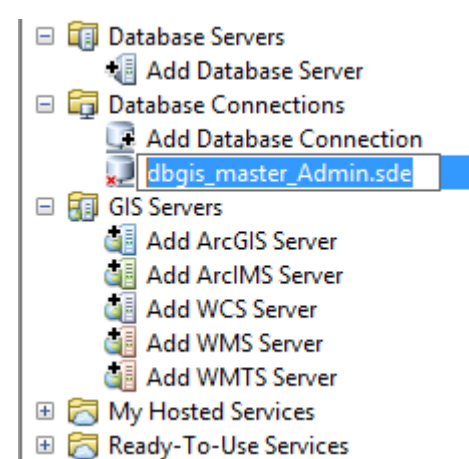
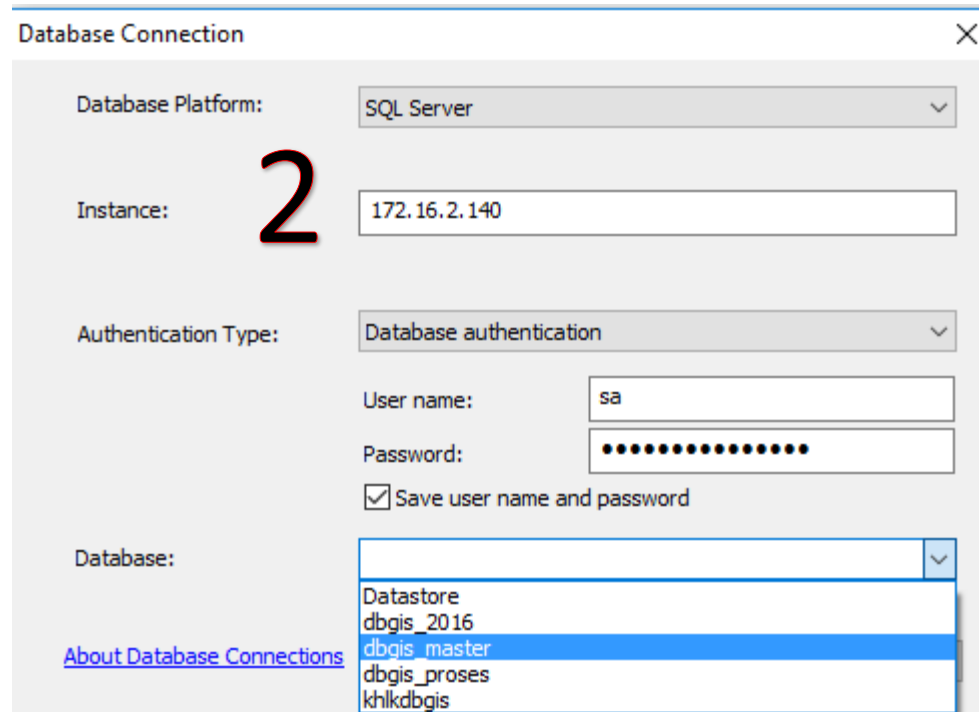
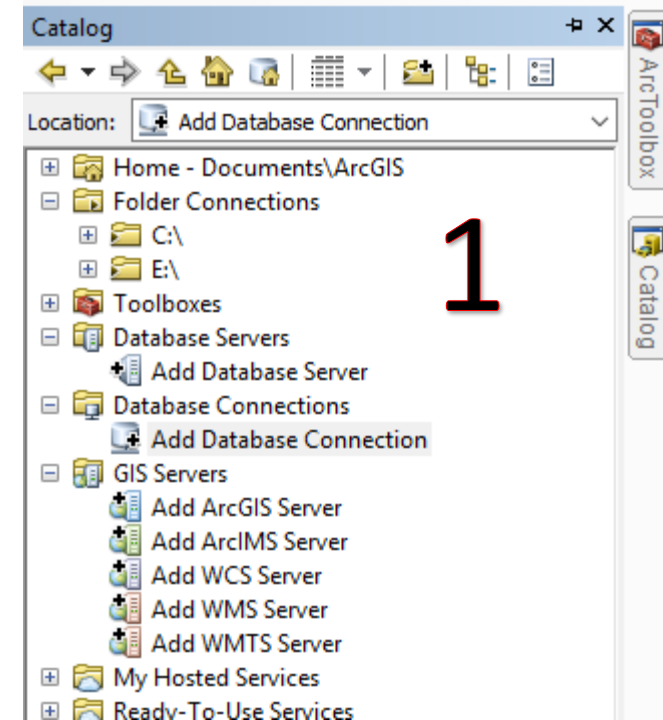
The image is a collage of screenshots illustrating the process of creating a spatial RDBMS. The steps are numbered 1 through 4.

**Step 1:** A screenshot of pgAdmin III showing the 'Object browser' pane with 'PostgreSQL 9.4 (localhost:5432)' selected. A 'Connect to Server' dialog box is open, prompting for the password for the 'postgres' user on the 'PostgreSQL 9.4 (localhost)' server.

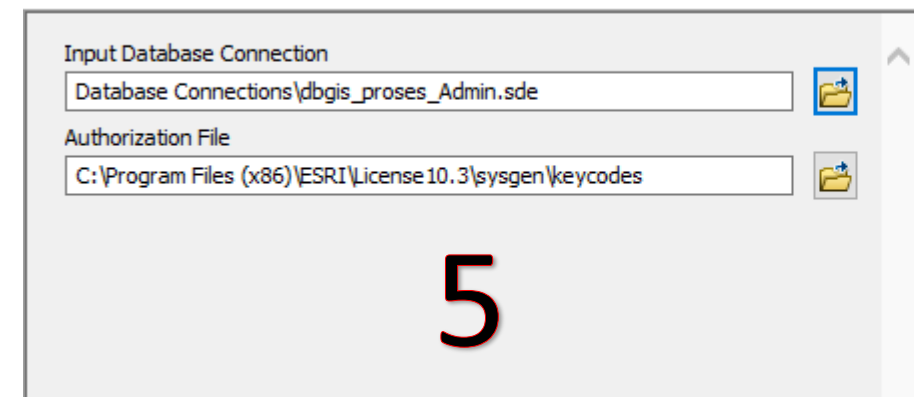
**Step 2:** A screenshot of pgAdmin III showing the 'Properties' tab for the 'PostgreSQL 9.4 (localhost:5432)' server. The 'Login Role' is 'postgres' and the 'Owner' is 'postgres'.

**Step 3:** A screenshot of the ArcToolbox showing the 'Geodatabase Administration' tool selected.

**Step 4:** A screenshot of the 'Create Enterprise Geodatabase' dialog box. The 'Database Platform' is 'PostgreSQL', the 'Instance' is 'localhost', and the 'Database (optional)' is 'gisdb'. The 'Database Administrator (optional)' is 'postgres' and the 'Database Administrator Password (optional)' is 'postgres'. The 'Sde Owned Schema (optional)' checkbox is checked. The 'Geodatabase Administrator (optional)' is 'sde' and the 'Geodatabase Administrator Password (optional)' is 'postgres'. The 'Tablespace Name (optional)' is empty. The 'Authorization File' is 'C:\temp\ArcGIS\Lathan\soft\PostgreSQL\keycodes.ecp'. The 'Create Enterprise Geodatabase' dialog box is also shown with the 'Completed' message: 'Created geodatabase tables and stored procedures. Finished creating geodatabase schema. Succeeded at Mon Mar 11 15:16:42 2019 (Elapsed Time: 2 minutes 23 seconds)'.



Enable Enterprise Geodatabase



### Authorization File

Provide the path and that was created when the Server Enterprise. The Files\ESRI\License Windows and /arcgis/server/fr Files\ESRI\License Linux. If you have no ArcGIS for Server to

### Enable Enterprise Geodatabase

Completed

☐ Close this dialog when completed successfully

Created geodatabase tables and stored procedures.  
Finished creating geodatabase schema.  
Succeeded at Wed Feb 03 07:45:11 2016  
(Elapsed Time: 21.21 seconds)

RDBMS untuk Enterprise Geodatabase

1

2

3

4

**Buat user RDBMS dan input database**

The image is a collage of screenshots from ArcGIS Desktop, illustrating the steps to create a database user and import data. The steps are numbered 1 through 4.

**Step 1:** A screenshot of the 'Administration' menu, which is highlighted. The menu options include: Copy, Paste, Delete, Rename, Refresh, Make Default Geodatabase, New, Import, Export, Administration (highlighted), Distributed Geodatabase, Connect, Disconnect, Connection Properties..., Geodatabase Connection Properties..., Share as Geodata Service..., Item Description..., and Properties....

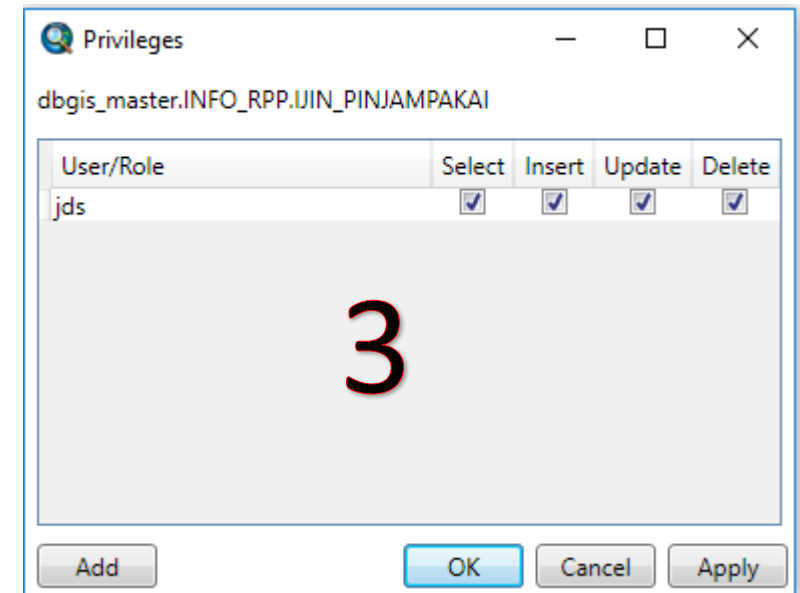
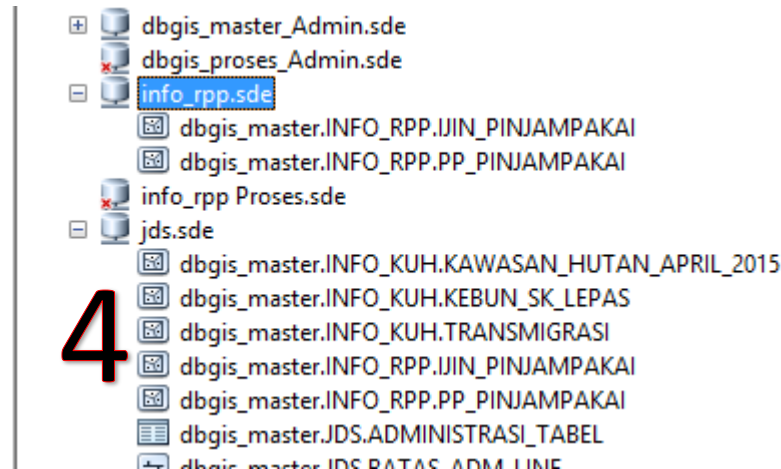
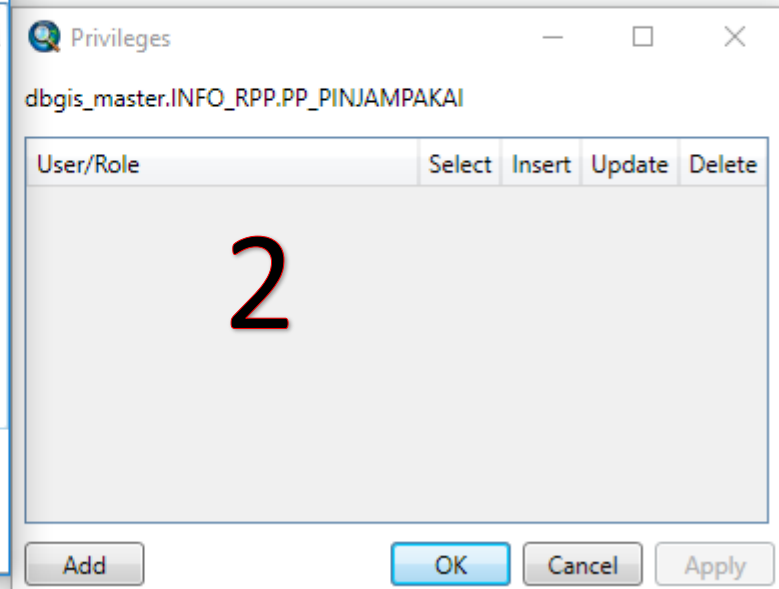
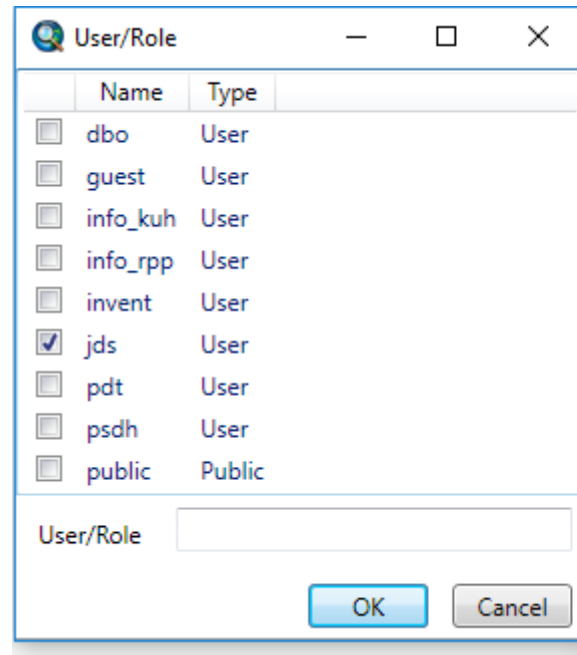
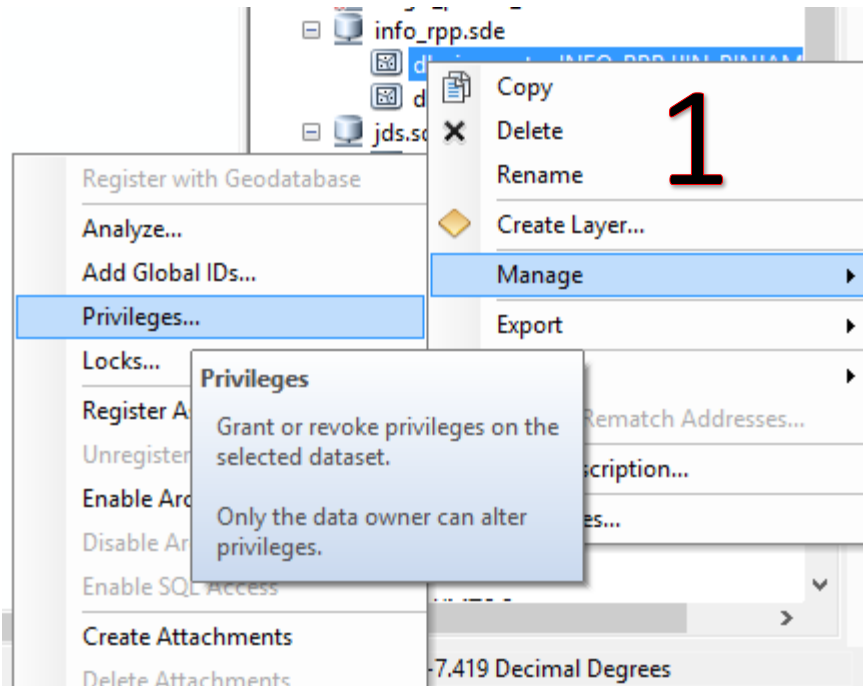
**Step 2:** A screenshot of the 'Create Database User' dialog box. The 'Input Database Connection' field is set to 'Database Connections\dbgis\_master\_Admin.sde'. The 'Database User' field is set to 'jds'. The 'Database User Password (optional)' field is filled with dots. The 'Role (optional)' and 'Tablespace Name (optional)' fields are empty. The 'Create Operating System Authenticated User (optional)' checkbox is unchecked. The 'OK' button is highlighted.

**Step 3:** A screenshot of the 'Import' menu, which is highlighted. The menu options include: Copy, Paste, Delete, Rename, Refresh, Make Default Geodatabase, New, Import (highlighted), Export, Administration, Distributed Geodatabase, Connect, Disconnect, Connection Properties..., Geodatabase Connection Properties..., Share as Geodata Service..., Item Description..., and Properties....

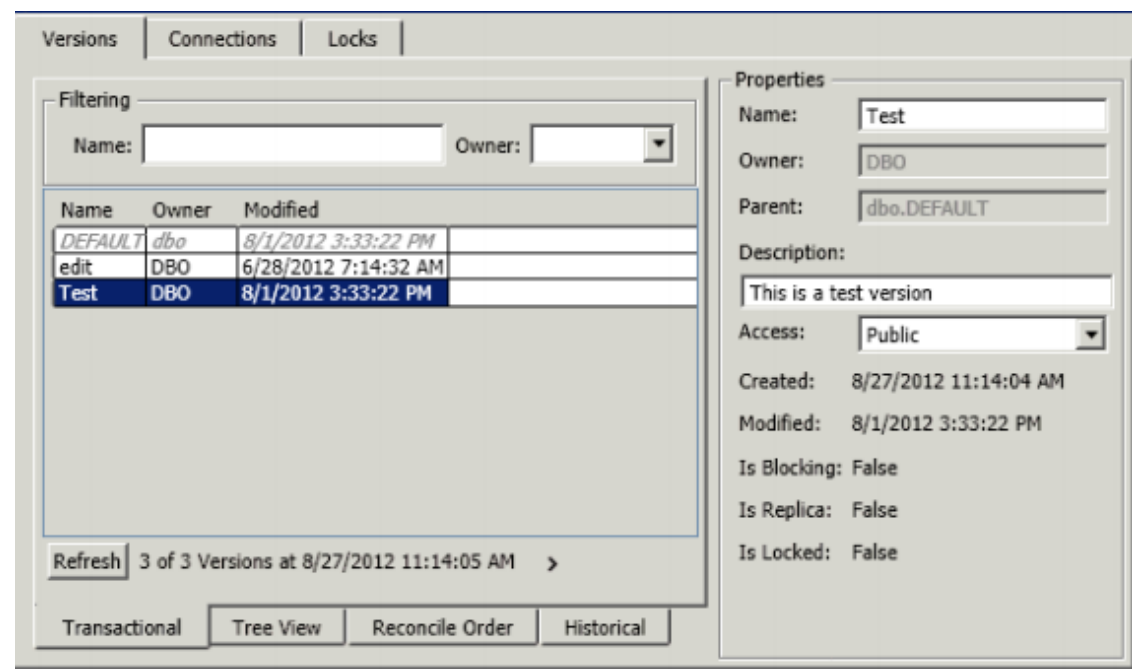
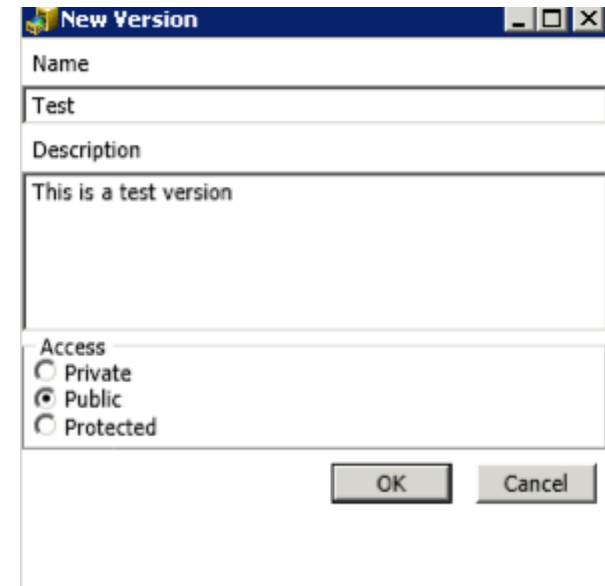
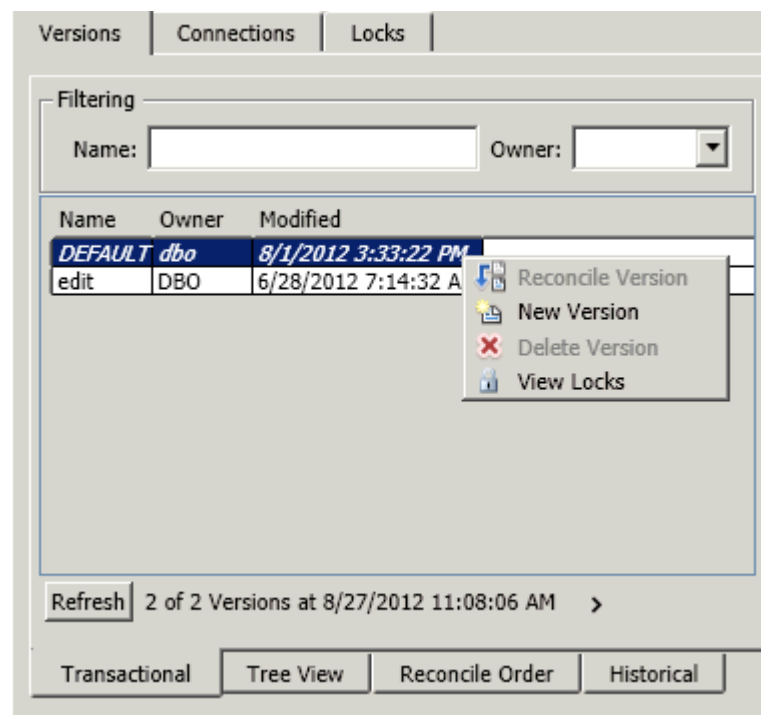
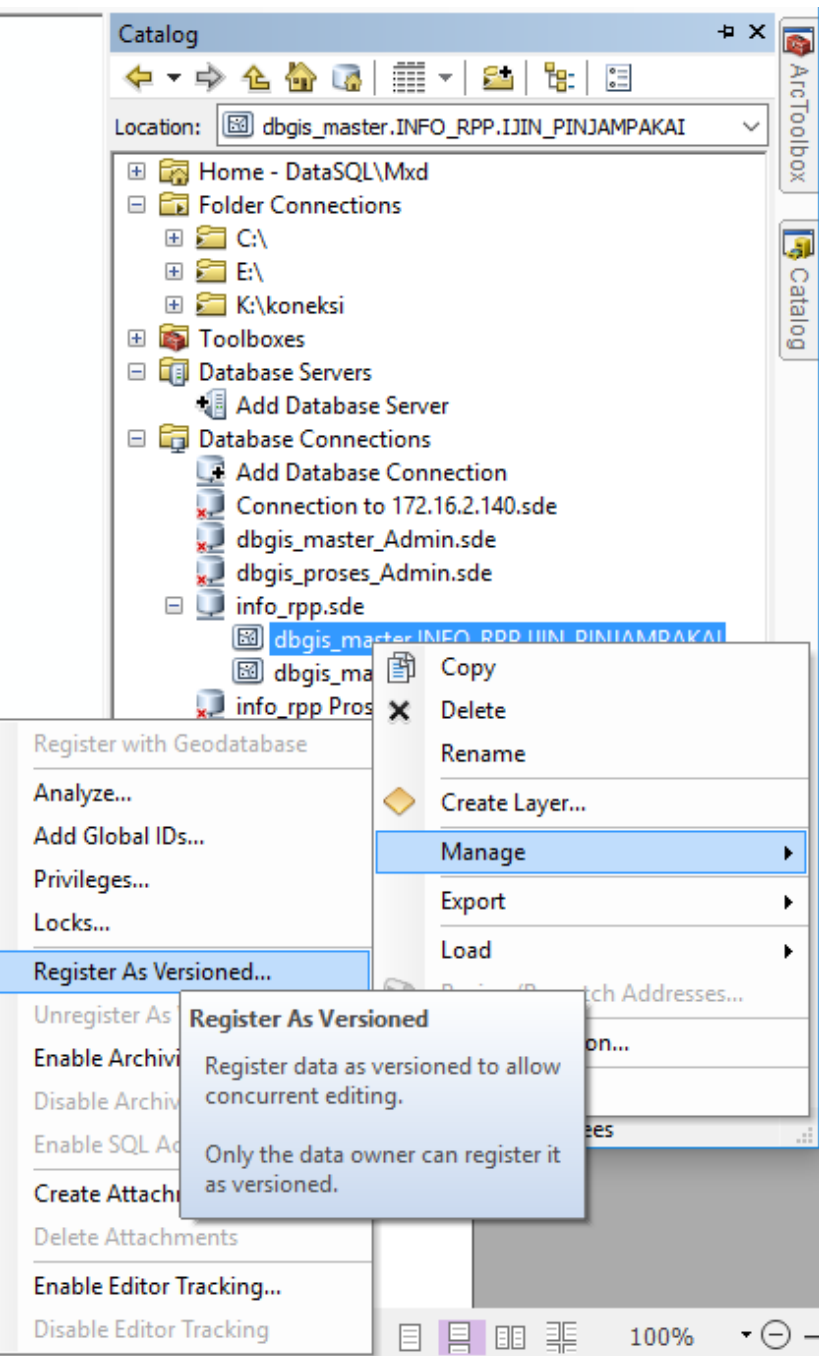
**Step 4:** A screenshot of the 'Import XML Workspace Document' wizard. The 'Importing data to:' field is set to 'dbo.DEFAULT - 172.16.2.140'. The 'What do you want to import:' section has 'Data' selected. The 'Specify the XML source to import:' field is set to 'C:\DataSQL\DataGIS\_XML\KAB\_2010.XML'. The 'Next >' button is highlighted.

Below the wizard, there is a screenshot of the 'XML Import Workspace' window. It shows a progress bar for 'Extracting Data: BATAS\_ADM\_LINE (13849 Objects)'. The 'Total Progress' bar is also shown. The 'Cancel' button is highlighted.

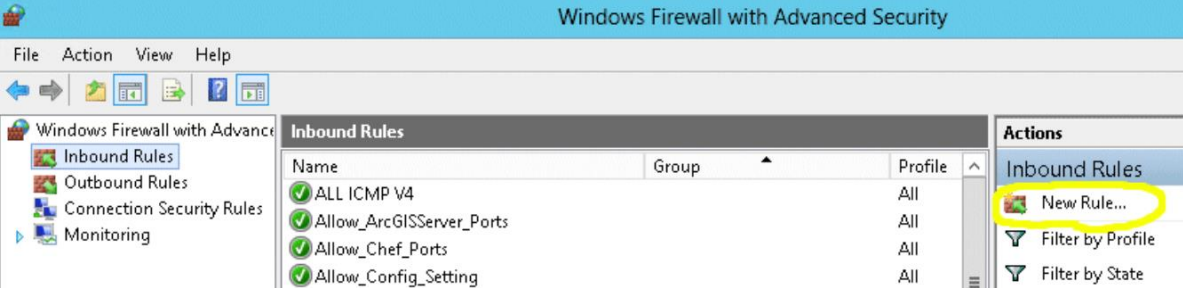
# Hak Akses Database



# VERSIONING







C:\> netstat -aon

TCP	[::]:4000	[::]:0	LISTENING	960
TCP	[::]:4001	[::]:0	LISTENING	960
TCP	[::]:4002	[::]:0	LISTENING	960
TCP	[::]:4003	[::]:0	LISTENING	960
TCP	[::]:4004	[::]:0	LISTENING	960
TCP	[::]:5432	[::]:0	LISTENING	1176
TCP	[::]:5985	[::]:0	LISTENING	4
TCP	[::]:6080	[::]:0	LISTENING	3592
TCP	[::]:6099	[::]:0	LISTENING	1232
TCP	[::]:27000	[::]:0	LISTENING	3776
TCP	[::]:47001	[::]:0	LISTENING	4

## Action

Specify the action to be taken when a connection matches the conditions specified in the rule.

Steps:

- Rule Type
- Program
- Action
- Profile
- Name

What action should be taken when a connection matches the conditions specified in the rule?

☒ **Allow the connection**  
This includes connections that are protected with IPsec as well as connections that are not protected with IPsec.

☐ **Allow the connection if it is secure**  
This includes only connections that have been secured using the settings in the Rule node.

☐ **Block the connection**

Profile

Specify the profiles for which this rule applies.

Steps:

- Rule Type
- Program
- Action
- Profile
- Name

When does this rule apply?

☒ **Domain**  
Applies when a computer is connected to its corporate domain.

☒ **Private**  
Applies when a computer is connected to a private network location, or work place.

☒ **Public**  
Applies when a computer is connected to a public network location.

New Inbound Rule Wizard

Protocol and Ports

Specify the protocols and ports to which this rule applies.

Steps:

- Rule Type
- Protocol and Ports
- Action
- Profile
- Name

Does this rule apply to TCP or UDP?

☒ **TCP**

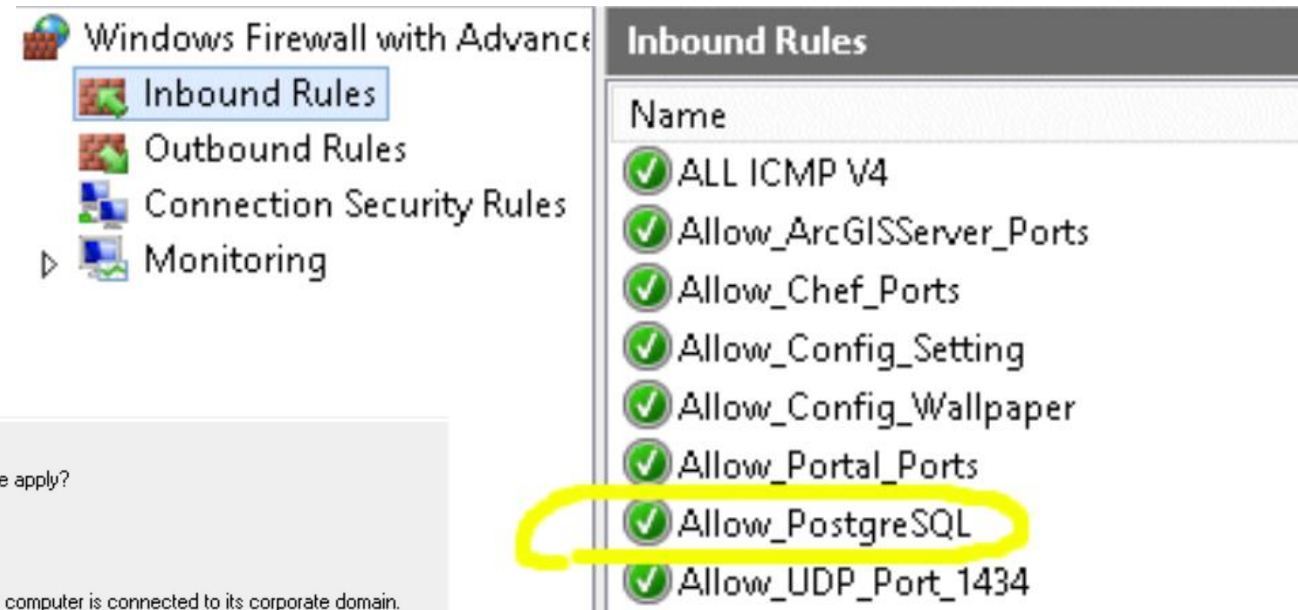
☐ **UDP**

Does this rule apply to all local ports or specific local ports?

☐ **All local ports**

☒ **Specific local ports:**

Example: 80, 443, 5000-5010



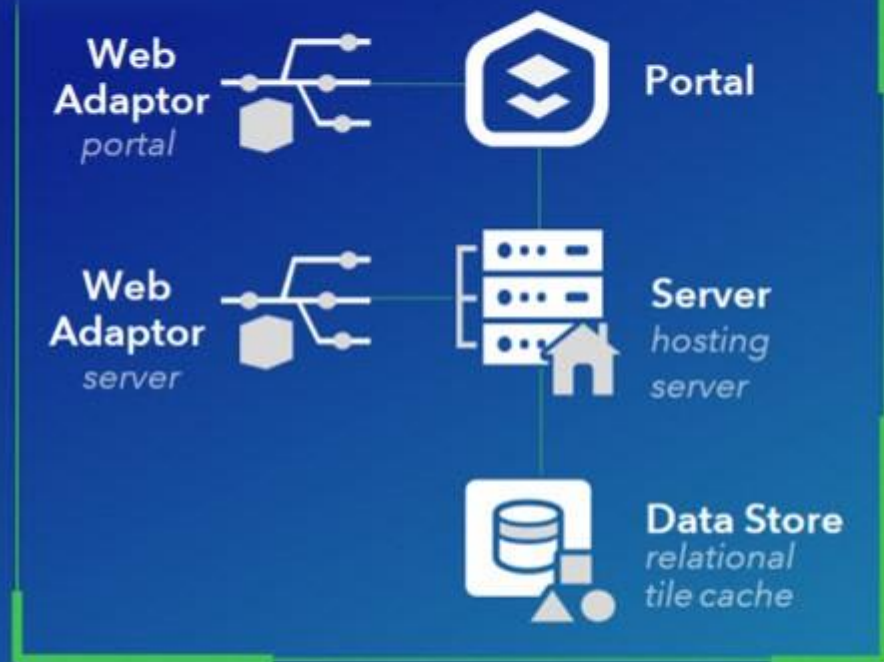
## Firewall Setting

Linux RHEL atau CentOS

\$ sudo firewall-cmd --permanent --add-port=5432/tcp

\$ sudo firewall-cmd --reload

## BASE DEPLOYMENT



## COMPONENTS



1



2



3



4

- 1 Portal
- 2 Server
- 3 Data Store
- 4 Web Adaptor

OS

Windows

Linux

## INFRASTRUCTURE



On-premises



Cloud

## DATA STORES



Relational



Tile Cache



Spatiotemporal

## SERVER LICENSING



GIS



Image



GeoAnalytics



GeoEvent



Business Analyst