# Cargo Optimizer Network Installation

There are two main steps in installation process.

- 1. Installation FirebirdSQL database Firebird21\_32.exe (Install on both Client & Server)
- 2. Install Cargo Optimizer Network setup.exe for Client and Server

Note There are two folders for installation process

Server for install to server computer (main database and license management) Client for install to client computer (connect to main database)

### Step 1 FirebirdSQL database installation (install on both Server and Client)

Double click on file Firebird21\_32.exe in folder of each version to start installation.
 Select Setup Language will appear, click on OK button

Select Se	tup Language
12	Select the language to use during the installation:
	English 💌
	OK Cancel

2. Welcome screen will appear, click on Next > button



3. License Agreement will appear, <u>choose I accept the agreement</u>, click on Next > button

🔁 Setup - Firebird	• X
License Agreement Please read the following important information before continuing.	۲
Please read the following License Agreement. You must accept the terms of this agreement before continuing with the installation.	
INTERBASE PUBLIC LICENSE	<u>^</u>
1. Definitions.	
1.0.1. "Commercial Use" means distribution or otherwise making the Covered Code	
available to a third party. 1.1. "Contributor" means each entity that creates or contributes to the creation of	
Modifications.	
1.2. "Contributor Version" means the combination of the Original Code, prior Modifications used by a Contributor, and the Modifications made by that particular.	
Contributor.	
1.3. "Covered Code" means the Original Code or Modifications or the combination	Ŧ
I accept the agreement	
I do not accept the agreement	
English-	
< Back Next >	Cancel

\*\*\* The rest steps is only click Next > button until finish \*\*\*

4. Information will appear, click on Next > button

🔁 Setup - Firebird	X
Information Please read the following important information before continuing.	۲
When you are ready to continue with Setup, click Next.	
Firebird Database Server 2.1	<u>^</u>
This document is a guide to installing this package of Firebird 2.1 on the Windows platform. These notes refer to the installation package itself, rather than Firebird 2.1 in general. In addition, these notes are primarily aimed at users of the binary installer.	
It is assumed that readers of this document are already familiar with Firebird 2.0. If you are evaluating Firebird 2.1 as part of a migration from Fb 1.5 you are advised to review the Fb 2.0 documentation to	Ŧ
English	ancel

5. Select Destination Location will appear, click on Next > button

🔁 Setup - Firebird	
Select Destination Location Where should Firebird be installed?	۲
Setup will install Firebird into the following folder.	
To continue, click Next. If you would like to select a different folder, click Br	owse.
C:\Program Files\Firebird\Firebird_2_1	Browse
At least 1.4 MB of free disk space is required.	
English	Cancel

6. Select Components will appear, click on Next > button

Setup - Firebird		
Select Components Which components should be installed?	۷	
Select the components you want to install; clear the components you do install. Click Next when you are ready to continue.	not want to	
Full installation of Server and development tools.	•	
Server components	6.9 MB	
Classic Server binary	2.6 MB	
Super Server binary	2.7 MB	
Developer and admin tools components	8.5 MB	
[√] Client components	0.7 MB	
Current selection requires at least 21.0 MB of disk space.		
< Back Next >	Cancel	

7. Select Start Menu Folder will appear, click on Next > button

🔂 Setup - Firebird
Select Start Menu Folder Where should Setup place the program's shortcuts?
Setup will create the program's shortcuts in the following Start Menu folder.
To continue, click Next. If you would like to select a different folder, click Browse.
Firebird 2.1 (Win32) Browse
Don't create a Start Menu folder
English

8. Select Additional Tasks will appear, click on Next > button

Setup - Firebird Select Additional Tasks Which additional tasks should be performed?	
Select the additional tasks you would like Setup to perform while ins click Next.	stalling Firebird, then
Use the Guardian to control the server?	
Run Firebird server as:	
Run as an Application?	
In as a Service?	
Start Firebird automatically everytime you boot up?	
Install Control Panel Applet?"	
Copy Firebird client library to <system> directory?</system>	
Generate client library as GDS32.DLL for legacy app. support?	?
English — < Back	Next > Cancel

9. Select Additional Tasks will appear, click on Next > button

🕄 Setup - Firebird	
<b>Ready to Install</b> Setup is now ready to begin installing Firebird on your computer.	۲
Click Install to continue with the installation, or click Back if you want to change any settings.	review or
Destination location: C:\Program Files\Firebird\Firebird_2_1	<b>^</b>
Setup type: Full installation of Server and development tools.	E
Selected components: Server components Super Server binary Developer and admin tools components Client components	
Start Menu folder:	-
<	4
English	Cancel

10. Installing will appear, click on Next > button

Setup - Firebird	
<b>Installing</b> Please wait while Setup installs Firebird on your computer.	۲
Extracting files C:\Program Files\Firebird\Firebird_2_1\examples\stat\stat10.e	
English	
	Cancel

11. Information will appear, click on Next > button

🔂 Setup - Firebird	
<b>Information</b> Please read the following important information before continuing.	۲
When you are ready to continue with Setup, click Next.	
Firebird 2.1.3 (Windows Build)	
o Introduction o Intended Users o Known Issues o Features in this release (all platforms) o Installation	
o Reporting Bugs	-
English	

12. Complete setup will appear, click on Finish button

🔁 Setup - Firebird	
	Completing the Firebird Setup Wizard
	Setup has finished installing Firebird on your computer. The application may be launched by selecting the installed icons. Click Finish to exit Setup. Start Firebird Service now? After installation - What Next?
	< Back Finish

Note installation file Firebird21\_32.exe in both folder Server and Client is the same file

 Double click Setup.exe in folder Server to start installation. Welcome screen will appear, click on Next > button



2. License Agreement will appear, choose I accept, click on Next > button

😸 Cargo Optimizer 5.00.0 Enterprise Network Server - InstallShield Wizard	d	×
License Agreement Please read the following license agreement carefully.		
COPYRIGHT NOTICE		<b>^</b>
Cargo Optimizer		
Copyright (c) 2002-2012 Dreamsofts Optimization Rights Reserved.	Ltd. A	11
Cargo Optimizer is a Trademark of Dreamsofts Optimization Ltd.		Ŧ
I accept the terms in the license agreement		
I do not accept the terms in the license agreement		
InstallShield		
< Back Next >	Can	ncel

3. Custom setup will appear

😸 Cargo Optimizer 5.00.0 Enterprise Network Server - InstallShield Wizard 📃 🗾		
Custom Setup Select the program features you want installed.		
Click on an icon in the list below to change how a feature is in           Data for Imperial unit system (lbs.,inch)           Data for Metric unit system (kg.,cm.)	nstalled. Feature Description Please choose to install this data system if your country use imperial unit system (lbs.,Inch).Please choose only one database system to install. This feature requires 0KB on your hard drive.	
Install to:		
InstallShield Space < Back	Next > Cancel	

If you use Imperial Unit system (lbs./Inch), choose as <u>below picture</u>, click on Next > button

😸 Cargo Optimizer 5.00.0 Enterprise Network Server - In	nstallShield Wizard
Custom Setup Select the program features you want installed.	
Click on an icon in the list below to change how a feature is in Data for Imperial unit system (lbs.,inch) Data for Metric unit system (kg.,cm.)	Please choose to install this data system if your country use imperial unit system (lbs.,Inch).Please choose only one database system to install. This feature requires 2780KB on your hard drive.
Install to: C:\Program Files\Dreamsofts\Cargo Optimizer ENT\db\	
InstallShield Help Space < Back	Next > Cancel

If you use Metric Unit system (kg./cm), choose as <u>below picture</u>, click on Next > button

😸 Cargo Optimizer 5.00.0 Enterprise Network Server - I	nstallShield Wizard
Custom Setup Select the program features you want installed.	
Click on an icon in the list below to change how a feature is ir	nstalled.
Data for Imperial unit system (lbs.,inch)	Feature Description Please choose to install this data if your country use metric unit system (kgs.,cm.).Please choose only one database system to install. This feature requires 2780KB on your hard drive.
Install to:	
InstallShield	
Help Space < Back	Next > Cancel

Installation process will start ...

😸 Cargo Op	otimizer 5.00.0 Enterprise Network Server - InstallShield Wiz 💷 💷 🗮 🌉
Installing The prog	Cargo Optimizer 5.00.0 Enterprise Network Server pram features you selected are being installed.
P	Please wait while the InstallShield Wizard installs Cargo Optimizer 5.00.0 Enterprise Network Server. This may take several minutes.
	Status:
	Copying new files
InstallShield -	
	< Back Next > Cancel

4. Complete installation will appear, leave check on Launch the program, click on Finish button



5. NetKey License Server (License management) will appear, click on Next > button



Windows 32 bits : C:\Program Files\Dreamsofts\Cargo Optimizer NET\NetkeyServer Windows 64 bits : C:\Program Files (x86)\Dreamsofts\Cargo Optimizer NET\NetkeyServer 6. Welcome screen will appear, click on Next > button



7. Ready to Install program will appear, click on Next > button

😸 NetKey License Server 4.0 EK - InstallShield Wizard	×
Ready to Install the Program	
The wizard is ready to begin installation.	Č.
If you want to review or change any of your installation settings, click Back. Cli exit the wizard.	ick Cancel to
Current Settings:	
Setup Type:	
Destination Folder:	
C:\Program Files\WetKey40EK\	
User Information:	
Name: Yut DS	
Company:	
InstallShield	
< Back Install (	Cancel

8. Complete will appear, leave check on Launch the program, click on Finish > button



9. NKLS Installer will appear, choose Install and run NKLS as Service, click on OK



Install and run NKLS at Startup = execute service after login

Install and run NKLS as Service = execute service after Windows start

10. Complete installation will appear, click on any key on keyboard to start process

Finish installation of Cargo Optimizer on Server computer

This service has already been started! SERVICE_NAME: NetKey40EK TYPE : 10 WIN32_OWN_PROCESS STATE : 2 START_PENDING (NOT_STOPPABLE, NOT_PAUSABLE, IGNORES_SHUTDOWN) WIN32_EXIT_CODE : 0 (0x0) SERVICE EXIT_CODE : 0 (0x0) CHECKPOINT : 0x0 WAIT_HINT : 0x7d0 PID : 7708 FLAGS : Press any key to continue	C:\Windows\system32\cmd.exe	
SERVICE_NAME: NetKey40EK : 10 WIN32_OWN_PROCESS STATE : 2 START_PENDING (NOT_STOPPABLE, NOT_PAUSABLE, IGNORES_SHUTDOWN) WIN32_EXIT_CODE : 0 (0x0) SERVICE_EXIT_CODE : 0 (0x0) CHECKPOINT : 0x0 WAIT_HINT : 0x7A0 PID : 708 FLAGS : Press any key to continue	This service has already been started!	
	SERVICE_NAME: NetKey40EK TYPE STATE STATE WIN32_EXIT_CODE SERVICE_EXIT_CODE CHECKPOINT WA 11_HIM PID PID Press any key to continue SERVICE_CODE CHECKPOINT PID PID PID PID Press any key to continue SERVICE_CODE CHECKPOINT SERVICE_CODE CHECKPOINT SERVICE_CODE SERVICE SERVICE_CODE SERVICE SERVICE_CODE SERVICE SE	_PAUSABLE, IGNORES_SHUTDOWN>

11. Next step to do on server computer id open Port on TCP/IP protocol for data communication There are two Ports need to open

Port number **1245** for License management Port number **3050** for FirdbirdSQL database

#### Step to unlock Cargo Optimizer Network on Server computer

Double click on file Register.exe in program folder on server computer

Windows 32 bits : C:\Program Files\Dreamsofts\Cargo Optimizer NET\Register.exe

Windows 64 bits : C:\Program Files (x86)\Dreamsofts\Cargo Optimizer NET\Register.exe

Product Registration		×
To activate the product, Internet, click the Registr time.	use the Registration ID below to register. If you are c er button to register. Or, you can visit our website to r	onnected to the register at any
If you have already regis button.	tered the product, please enter your License Key and	then dick the OK
Registration ID:	UV0PNEU0TIAIBJUN	
License Key:		
Register Later	Register	ОК

Product registration will appear, For evaluation please contact us with your **Registration ID** (on dialog) wait for our reply for **License Key** to enter and click OK to finish unlock process.

 Double click Setup.exe in folder Client to start installation. Welcome screen will appear, click on Next > button to start installation. The rest process is same as Server process 1-8
 \*\*\* You must to use Setup.exe in folder Client to install \*\*\*\*

2. After finish installation, we need to config **IP Address** for license management system (use to use to authorize software execution from **Server**) by open file **Netkey.INI** with **Notepad**. This file is in program folder of **Client computer** 

Windows 32 bits : C:\Program Files\Dreamsofts\Cargo Optimizer NET\Netkey.ini Windows 64 bits : C:\Program Files (x86)\Dreamsofts\Cargo Optimizer NET\Netkey.ini



edit ServerAddress= as IP Address of Server computer (For sample 127.0.0.1)

### Step 4 Instruction for Windows 7/8/10/11 (Both Client & Server)

Click on program shortcut on Desktop, Then right click your mouse, choose on **Properties** menu. Click on **Compatibility** tab. Then set options as below picture and click **OK** button

Scan result	Scan results		ails	Prev	rious Versions
General	Sho	rtcut	Com	patibility	Security
you have pro in earlier version natches that e delp me cho Compatibility	blems w on of Wi arlier ve ose the mode program	vith this pr indows, s rsion. settings m in comp	ogram an elect the patibility n	nd it worke compatibi node for:	ed correctly on lity mode that
Windows 2	XP (Serv	vice Pack	: 2)	•	
Run in 2 Run in 2 Disable Disable	256 colo 640 x 48 visual th desktop display s	rs 0 screen nemes o composi scaling or	resolutio tion high Df	n <sup>9</sup> l settings	
Privilege Level Run this program as an administrator					
Change	settings	for all us	ers		

## Step 5 Set database path for Cargo Optimizer Network on Client computer

1. On first execution of Cargo Optimizer Network, log in dialog will appear

User name admin Password ****1 Database C.\Program Files\Dreamsofts\Cargo Optimizer ENT\DB\COPDB.FDB ]	
Login	Network [ :C:\Program Files\Dreamsofts\Cargo Optimizer ENT\DB\COPDB.FDB ]

 ${\sf Enter \ Username} = admin \ {\sf Password} = 1234 \ {\sf choose \ database \ Local} \ , \ {\sf click \ Login}$ 

2. Then click on left menu Tools, then click Database setting

🐨 Dreamsofts Cargo	Optimizer 5.00.0 Enterprise Network [Administrator] : [C:\Program Files\Dreamsofts\Cargo Optimizer ENT
Main Database Re	ports <u>T</u> ools <u>H</u> elp
log off	▶     ▶       ▶     ▶       ▶     ▶
Shipment	Setting
Reports	Report header Report and User details Translation User management
Database	
Tools	Name Dreamsofts Optimization Ltd. Part.
	70 11 - 2
Inch	Address 70 Moo 2
Unit Converter	Khamsakaesaeng
USD	Nakhornratchasima
BUR Currency Exchange	Thailand 30290
contente) Ententanige	
<b>b</b>	Phone U-1234-5678
Setting	Fax 0-4433-2211
	Website http://www.cargooptimizer.com
Database setting	Email info@cargooptimizer.com

3. Enter Database path and Server IP address (add /3050 after IP address) then click OK

User name adr Password ****	min 1	Database     Docal [ C:\Program Files\Dreamsofts\Cargo Optimizer NET\DB\COPDB.FDB ]
	Login	Network [ :C:\Program Files\Dreamsofts\Cargo Optimizer NET\DB\COPDB.FDB ]

- 4. Exit Cargo Optimizer Network and execute again
- 5. Enter Username and Password from Administrator of Cargo Optimizer choose database Network then click Login

User name My User Password ****** Login		Database C Local [ C:\Program Files\Dreamsofts\Cargo Optimizer NET\DB\COPDB.FDB ]
		Network [ 192.168.1.10:C:\Program Files\Dreamsofts\Cargo Optimizer NET\DB\COPDB.FDB ]

There are two databases to choose on login process

Local : use database on your computer (use your username and password)

Network : use main database on Server (use username and password from administrator)

There are three user types in Cargo Optimizer Network. User, Staff and Administrator

	User	Staff	Administrator
Create/delete User	no	no	yes
View shipment	own shipment	all	all
manage user permission	no	no	yes

Default username and password on standard database as table

User name	Password	User type
admin	1234	Administrator
staff	1234	Staff
user	1234	User

After login to database network, please change user name and password of Administrator.

You can create new user, define user type and permission to any database on permission table

	Create	Delete	Update
Shipment	🔽 allow	✓ allow	
Cargo Group	🔽 allow	🔽 allow	🔽 allow
Cargo	🔽 allow	🔽 allow	🔽 allow
Container Group	🔽 allow	🔽 allow	🔽 allow
Container	🔽 allow	🔽 allow	🔽 allow
Customer	🔽 allow	🔽 allow	🔽 allow
Report header	🔽 allow	🔽 allow	🔽 allow