



PRODUCT GUIDE



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Table of Contents

1.	Abo	ut Kernel for Project Server	5
	1.1	Brief about this User Manual	5
	1.2	Introduction to Kernel for Project Server	5
	1.3	How the software works?	6
	1.4	Salient Features	6
	1.5	System Requirements	7
2.	Gett	ing started with the User Interface	9
	2.1	Welcome Screen of the Software	9
	2.2	Menu Bar	10
	2.3	Tool Bar	12
	2.4	Status Bar	12
	2.5	Left Panel	13
	2.6	Right Panel	13
3.	Insta	Il and Uninstall	15
	3.1	Installing Kernel for Project Server	15
	3.2	Uninstalling Kernel for Project Server	15
4.	Usin	g Kernel for Project Server	17
	4.1	Two Modes of Recovery	17
	4.1.1	Raw File Mode	17
	4.1.2	Live SQL Instance Mode	17
	4.2	Recovery through Available Modes	18
	4.2.1	Recovery through Raw File Mode	18
	4.2.2	Recovery through Live SQL Instance Mode	20
	4.2.2.1	Connecting Through MS SQL Server	20
	4.2.2.2	Connecting Through UDL File	23
	4.3	Saving the Recovered Data	28
	4.4	Create and Save Reports	32
5.	Dow	vnload, Purchase and Register	34
	5.1	Free Trial Download	.34



5.2	Purchase & Register	34
5.3	Support	
6. Tro	oubleshooting	
6.1	Common Issues	36
6.2	Frequently Asked Questions	
7. Leg	gal Notices	37
7.1	Copyright Notice	37
7.2	Trademarks	37
7.3	Disclaimer	37
7.4	License Agreement	



Table of Figures

Figure 2.1: We kcome Screen of Kernel for Project Server	9
Figure 2.2: File Menu	10
Figure 2.3: View Menu	10
Figure 2.4: Tools Menu	11
Figure 2.5: Help Menu	11
Figure 2.6: Status Bar	12
Figure 2.7: Left Panel	13
Figure 2.8: Right Panel	14
Figure 4.1: Selecting Raw File Mode of Recovery	
Figure 4.2: Selecting Project Server Database	19
Figure 4.3: Displaying the recovery process status in Raw Mode	19
Figure 4.4: Listing all the recovered data using Raw Mode	20
Figure 4.5: Selecting Live SQL Instance mode of recovery	21
Figure 4.6: Selecting SQL Instance and Database	22
Figure 4.7: Displaying the recovery process status in SQL Server	22
Figure 4.8: Displaying the recovered data in SQL Server	23
Figure 4.9: Selecting UDL File for connection Information	24
Figure 4.10: Data Link Properties Dialog Box	25
Figure 4.11: Setting the Provider in Data Link Properties	26
Figure 4.12: Setting Data Link Properties	27
Figure 4.13: Displaying the recovery process status in UDL File	
Figure 4.14: Displaying the recovered data in UDL File	
Figure 4.15: Saving Mode for saving the recovered data	
Figure 4.16: Saving Process Completion Window	31
Figure 4.17: Depicting File Name, Project Folder Location and Project Actual Folder Location	32
Figure 4.18: Selecting Document List Option	
Figure 4.19: Selecting the location and folder for saving recovered data	



1.1 Brief about this User Manual

Welcome to the user manual of Kernel for Project Server, a proficient and appropriate recovery tool for MS Project Server. This user manual guides users on successfully operating the software. It is recommended that novice as well as experienced users should carefully go through this user manual before using the software. A user who is well aware of the software can even use table of contents for finding the particular portion of manual. The table of contents enlists all the sections described in this user manual from where one can navigate through its different sections. The user manual consists of step-by-step guidelines for using Kernel for Project Server. The user manual is intended to guide those users who are using this software for the first time such that they can perform flawless recovery from corrupt MDF databases. The user manual consists of the following sections for guiding the users:

- Introduction
- User Interface Description
- Install and Uninstall
- Usage Guidelines
- Download, Purchase and Register
- Troubleshooting
- Legal Notices

1.2 Introduction to Kernel for Project Server

Kernel for Project Server is an advanced, effective, professional and powerful recovery software that restores Project Server database instantly and extracts files and documents from corrupt MS Project Server. The software helps project administrators to effectively deal with corruption issues and recover all project information such as project resources, tasks, task schedule, custom fields, etc from various project workspaces. MDF database may get corrupt and inaccessible due to various reasons such as server crash, drive failures, fault in saved database, accidental file deletion, etc.

The software displays location of recovered files in a list-like structure that can be saved in HTML format. The tool offers options for finding appropriate files from the scanned database easily. Using this utility, user can connect with the database easily as it offers two connection mediums - SQL Server and UDL file. The software offers an easy-to-use, highly interactive, self-descriptive, user-friendly graphical user interface such that non-technical users can easily operate it without any technical training. The software is embedded with advanced algorithms for performing data recovery from corrupt Microsoft Project Server databases. The software is available as a free trial version such that users can evaluate the features, functionalities and capabilities of the software before making the actual purchase.



1.3 How the software works?

Kernel for Project Server allows collaborating with different people working in the same project and share documents, images, files, etc. with them. It also helps in maintaining additional level of security and data integrity. The tool recovers all files and folders from corrupt database and also helps in restoring access to live SQL server. The software recovers files that got deleted through logical deletion. The process of recovering files from corrupt MDF database is as follows:

- Normally, when a user requests a data, it is processed via MS Project Server and MS SQL Server. However, in case of Project Server and MDF corruption, the data becomes inaccessible and the request cannot be processed. Kernel for Project Server eliminates the dependency of MS Project Server for recovery of data and enables the administrator to extract files and folders from corrupt MDF database.
- The software recovers files, documents, and tables from corrupt MDF database through establishing connection with that database, which is stored in SQL Server.
- All recovered files are further restored in new database and the database is again configured on MS Project Server

1.4 Salient Features

Some of the key features of Kernel for Project Server are as follows:

- Accurately recovers files, folders and documents from corrupt Project Server MDF databases.
- Efficiently recovers projects, tasks, task relationships, resources, scheduling, project workspace sites, ordinary sites and PWA sites.
- Offers two file recovery modes Raw and Live SQL Instance for efficiently recovering corrupt MDF databases.
- Offers two connection options Connecting through SQL Server and Connecting through UDL file to easily connect with the Project Server database.
- Displays preview of the recovered files such that all files and folders are listed in the bottom pane.
- Allows user to save and restore the recovered files at desired location. The recovered tables and files can be copied to a new database that can be further configured at MS Project Server.
- The software provides report creation options for checking recovery degree. The software generates a list of path location where the files are situated. The report of extracted files and documents can be saved in HTML format.
- Maintains data integrity and security.
- Rebuilds the database and uploads it again to Project Server.



- Performs database recovery in case MDF database got corrupt or when MS Project Server is down.
- Available as free evaluation version such that user can analyze the features and capabilities of the software.
- Supports MS Project Server 2010, 2007, 2003, 2002 and MS Project Central (2000).
- Supports MS SQL Server 2000, 2005, 2008 and 2008 R2.
- Offers an easy-to-use, simple, self-descriptive, attractive graphical user interface. No technical skills
 required for operating the software.
- Offers round-the-clock technical support.

1.5 System Requirements

Your computer system must have the appropriate configuration before installing and running Kernel for Project Server. Following are the minimum system requirements that a system should possess for successfully installing the Kernel for Project Server software.

Basic System Requirements

- Pentium Class Processor
- Minimum 1 GB RAM (2 GB Recommended)
- 10 MB of free Disk Space for software installation
- Enough disk space to save recovered data

Supported Platforms

- Windows 2000
- Windows XP
- Windows Server 2003
- Windows Vista
- Windows Server 2003 64 Bits
- Windows Server 2008 Enterprise



- Windows Server 2008 Enterprise 64 Bits
- Windows 7 Ultimate
- Windows 7 Ultimate 64 Bits
- Windows 8

Supported MS SQL Servers

- MS SQL Server 2000
- MS SQL Server 2005
- MS SQL Server 2008
- MS SQL Server 2008 R2
- MS SQL Server 2012

Supported Project Server:

- MS Project Server 2010
- MS Project Server 2007
- MS Project Server 2003
- MS Project Server 2002
- MS Project Central (2000)



2. Getting started with the User Interface

2.1 Welcome Screen of the Software

Kernel for Project Server offers user-friendly, attractive graphical user interface. When the software is launched, "Select Project Server Database Source" pop-up window appears by default. The software offers two options for selecting Project Server Database source - Raw File and Live SQL Instance.

XI.	Mernel for Project Server	×
File View Tools Help	Kernel for Project Ser	rver
Project Server Folders	Document Viewer	a ×
Select Project Server Date	ibase Source	
- Source Selection	database and click "Next" to continue. act .MDF database from the disk location) ance (Select a Live SQL Instance from the configured MS SQL Server)	
Docur To know more about this st File N-	ep. please click here.	
	< Back Next >	Cancel
Ready		CAP NUM SCR.

Figure 2.1: Welcome Screen of Kernel for Project Server



2.2 Menu Bar

The Menu bar of Kernel for Project Server comprises four menus that are further divided into several menu items for performing essential tasks. The four menus are:

- File Menu
- View Menu
- Tools Menu
- Help Menu

File Menu

File menu of Kernel for Project Server appears, as shown in the following figure:

File	View	Tools	Help
۶	<u>O</u> pen		Ctrl+O
1	<u>S</u> ave		Ctrl+S
	E <u>x</u> it		

Figure 2.2: File Menu

The following table enlists the options available in the File menu:

Option	Description	
Open	Opens the Database Source Selection window	
Save	Saves files, folders and database objects	
Exit	Exit Exits from the application	

View Menu

View menu of Kernel for Project Server appears, as shown in the following figure:

View		Tools	Help
V	Standard		
V D		ocument	t Viewer
\checkmark	Document List		t List
	C	ustomize	

Figure 2.3: View Menu



The following table enlists the option available in the **View** menu:

Option	Description
Standard	Displays the standard view (without Document List and Document Viewer sections)
Document Viewer	Displays and hides Document Viewer section
Document List	Displays and hides Document List section
Customize	Displays customized view

Tools Menu

Tools menu of Kernel for Project Server appears, as shown in the following figure:

Tools	Help
0	ptions

Figure 2.4: Tools Menu

Following table enlists the options available in the **Tools** menu:

Option	Description
Options	Select this option if you want to scan the entire database for possible corruption. This option is recommended to be selected while performing SQL database repair.

Help Menu

Help menu of Kernel for Project Server appears, as shown in the following figure:



Figure 2.5: Help Menu

The following table enlists the options available in the Help menu:

Option	Description
Kernel for Project Server Help	Opens the user manual of Kernel for Project Server
Kernel for Project Server Homepage	Opens the homepage of software website
About Kernel for Project Server	Displays the version and support related information



2.3 Tool Bar

The Tool bar is displayed just below the Menu bar section of the software interface and consists of buttons that work as shortcuts for various options available in the main menu of the software. The buttons assists users to easily perform the operations that can also be performed by Menu bar options. Following table enlists the buttons available on the Tool bar of Kernel for Project Server:

Button	Button Name	Description
Open	Open	Opens the Database Source Selection window
Save	Save	Saves files, folders and database objects
P Help	Help	Opens user's help manual of the software.

2.4 Status Bar

.

The status bar is displayed at the bottom of the software window. The text 'Ready' is displayed on the status bar if Kernel for Project Server is ready to be used. The status bar also displays the text 'CAP', 'NUM', 'SCRL' which respectively correspond to the Caps Lock, Num Lock, and Scroll Lock keys on your keyboard. If any of these keys are pressed, the color of the corresponding text will turn blue/black.

Ready	CAP	NUM	SCRL	

Figure 2.6: Status Bar



2.5 Left Panel

The Left Panel of Kernel for Project Server displays recovered Project Server folders and their sub-folders in a hierarchical manner. The folders that are displayed at the left panel for Kernel for Project Server are:

- Tables
- Project
- Project Actual



Note: If the recovery is done through Live SQL Instance, the left panel will display only Project and Project Actual folders.

2.6 Right Panel

The Right Panel of Kernel for Project Server displays the content of sub-folders. The file information is displayed alongwith details like File Name, File Type, Version, Last Modified Time, Creation Time and User name.



File Name	File Type	Version	Last Modified Ti	Created Time	User Name
abhty.pdf	0	1	07/16/2012 10:	07/16/2012 10:	NULL
🛃 New Bitmap	0	1	07/16/2012 06:	07/16/2012 06:	NULL
New Text Do	0	1	07/16/2012 06:	07/16/2012 06:	NULL

Figure 2.8: Right Panel



3. Install and Uninstall

3.1 Installing Kernel for Project Server

After being familiar with the software overview, key features, and system requirements let us install Kernel for Project Server. The software is easy to install and involves few simple steps to configure it. However, before installing the software make sure that the software installer file is available on your computer. If the file is not available on your computer then you can download it from our Website:

https://www.nucleustechnologies.com/kernel-project-server.html

After you have downloaded the installer file, execute the following steps to install the software:

- 1. Double-click the Kernel for Project Server installer file.
- 2. Follow the on-screen instructions. When the installation process completes "**Setup Installation Complete**" message appears on the software installation screen.
- 3. Click the **Finish** button to launch the software.

After you have completed the software installation process, a shortcut to start the software will be added in the Windows Start program menu. You can start the software from Windows Start program menu. You can also create desktop icon of the software from where you can start the software by double-clicking the icon.

3.2 Uninstalling Kernel for Project Server

Kernel for Project Server can be uninstalled from the computer system by using one of the following two methods:

- Uninstall from Windows Start Menu
- Uninstall from Control Panel

Note: Before starting the uninstallation process, make sure that the Kernel for Project Server is not in use.

Uninstall from the Windows Start menu

Execute the following steps to uninstall Kernel for Project Server from Windows Start menu:

- 1. Click Start > All Programs > Kernel for Project Server > Uninstall Kernel for Project Server. A warning message before uninstalling the software will be displayed on the screen.
- 2. Click **Yes** button to uninstall the software.
- 3. Click OK button.



Kernel for Project Server is successfully uninstalled from your computer system.

Uninstall from Control Panel

Execute the following steps to uninstall Kernel for Project Server from Control Panel:

- 1. Click Start > Control Panel. The Control Panel window appears.
- 2. Double-click the **Add or Remove Programs** icon. A list of the programs installed on your computer system appears.
- 3. Select **Kernel for Project Server** and click the **Remove** button. A warning message before uninstalling the software will be displayed on the screen.
- 4. Click **Yes** button to uninstall the software.
- 5. Click **OK** button.

Kernel for Project Server is successfully uninstalled from your computer system.



4. Using Kernel for Project Server

4.1 Two Modes of Recovery

Kernel for Project Server offers two modes for performing data recovery from corrupt Project Server MDF files:

- Raw File Mode
- Live SQL Instance Mode

4.1.1 Raw File Mode

The Raw File Mode of recovery is used where only the MDF database is corrupt and MS SQL Server and MS Project Server are in working condition. Some of the key features of Raw File Mode are as follows:

- This recovery mode is applicable in conditions where only database is corrupt.
- In this recovery mode, MDF database is repaired as an orphan file and files and folders are extracted from it.
- Use of Orphan database in Raw file mode eliminates the dependency of MS Project Server in recovery process.
- Raw File Mode recovers Tables, Project and Project Actual folders and allows user to view and save the files contained in these folders.
- In Raw file mode, tables can be recreated by connecting batch file to the SQL Server Database, once the tables are recreated the database is again ready to be configured in MS Project Server.

4.1.2 Live SQL Instance Mode

In cases, where MS Project Server is down or corrupt, Live SQL Instance recovery mode is used. This recovery mode is embedded with distinct features, which make it suitable for specified corruption conditions. Some of the salient features of Live SQL Instance Mode are as follows:

- This recovery mode is applicable in conditions where MS Project Server is down.
- In Live SQL Instance recovery mode, documents are extracted from the database.
- Recovered documents can be again uploaded in a new account created on Project Server.
- UDL file connected to the SQL server can also be used for recovery.



4.2 Recovery through Available Modes

4.2.1 Recovery through Raw File Mode

Using Raw file mode, recovery process can be performed by following the steps as given below:

Step 1: Click Open button from the tool bar or select Open from the file menu.

Note: When Kernel for Project Server is launched, the Source Selection window appears by default. You can also start the recovery process by selecting recovery mode from Source Selection Window.

Step 2: A Source Selection window will appear. Select Raw File mode and then click Next button.

Select Project Server Database Source	
Please select source of database and click "Next" to continue.	
Raw File (Select .MDF database from the disk location)	
C Live SQL Instance (Select a Live SQL Instance from the configured MS SQL Server)	
To know more about this step, please click here,	
< Sack Next > Cancel	

Figure 4.1: Selecting Raw File Mode of Recovery

Step 3: A new dialog box - Select Project Server Database will appear to select the database location.



Select Database	Users\Administrator\Destop\ProjectServer Database_from ISPC46	Browse
Select Temp File Path	C:\DOCUME~1\}yotia\LOCALS~1\Temp\	🞯 Browsg
Manually select dal	0 database 5 database	
SQL Server 200	8 or 2006R2 database 2 database	

Figure 4.2: Selecting Project Server Database

Step 4: Click **Browse** button and select the location where the corrupt MDF database is stored. Now click **Select Temp** to select the location to save the temporary files which are generated by the software while performing various functions.

Step 5: You can either let the software Auto Detect the database version or you can manually select the SQL file version.

Step 6: Click **Finish** button after selecting the SQL Server version. The recovery process will start and a window showing the process status will appear.

ease wait while the co	urrent process finishes	*
Retrieving columns infor	nation	
_		
	Stop	

Figure 4.3: Displaying the recovery process status in Raw Mode



Step 7: Once the recovery process is complete all the recovered Tables, Project and Project Actual folders will get listed at the left panel of the software.

	Ke	mel for Projec	ct Server			- = ×
File View Tools Help					Kernel for Project Ser	ver
Project Server Folders	File Name	File Type	Version		Document Viewer	# 3
	Unktilled.png Unkcode file.txt SQL Backup Pavan putr.jpg	0				
MConvertedForms AnalyticsReports StePages Project Actual Document List	c .			×		
Fie Name	Project Folder Locatio			Ä		1 miles
United and Unicode file tot SOL Backup and Restore Bug Rep., 1 TEREKOTHErep Parian putries	Project/Shared Docum Project/Shared Docum Project/Shared Docum Project/Shared Docum Project/Shared Docum	ents ents ents ents				
New Test Document (2) Int	Project/Lists/Tasks/A	flachments\2	>	X		
Ready						CAP NUM SCAL

Figure 4.4: Listing all the recovered data using Raw Mode

4.2.2 Recovery through Live SQL Instance Mode

In cases, where Project Server is down, Live SQL Instance Mode is used. To perform recovery through Live SQL Instance Mode, two options to connect with the database are available. These options are:

- Connecting Through MS SQL Server
- Connecting Through UDL File

4.2.2.1 Connecting Through MS SQL Server

To perform recovery by connecting with the database through MS SQL server, follow these simple steps:

Step 1: Click Open button from the tool bar or select Open from the File menu.



Step 2: A new dialog box - Select the Database Source will appear. Select **Live SQL Instance** mode and then click **Next** button.

elect Project Server Database Source	E
Please select source of database and click "Nest" to continue.	
Source Selection	
O Raw File (Select .MDF database from the disk location)	
Live SQL Instance (Select a Live SQL Instance from the configured MS S	(J. Server)
To know more about this step, please click here,	
chick of	Vent > Cancel

Figure 4.5: Selecting Live SQL Instance mode of recovery

Step 3: Database Location Selection window to select the database location will appear. Enter the server name and select **Windows Authentication** or **SQL Server Authentication**.

Server Name:	PROJECT-SERVER\OFFICESERVERS	2	
Authentication:	SQL Server Authentication	-	
Login	sa	2	
Passw	ord: [*****		
Database Name:	[WS5_Content_Raj.mdf]		
Use UDL file for a	Enter the name of Live SQL database h connection information (Please see help ut this step, please click here,		overed)



Figure 4.6: Selecting SQL Instance and Database

Step 4: If you select SQL Server Authentication, you will need to provide the username and password of the working MS SQL Server whereas with Windows Authentication, Kernel for Project Server will automatically acquire the username and password of your system. Choose the appropriate option and type username and password accordingly. Enter the name of the Live SQL Database from which items needs to be recovered.

Step 5: Click Finish. A window showing status of the scanning process will appear.

Retrieving only	ins information		
and the second			
	-		
		Stop	

Figure 4.7: Displaying the recovery process status in SQL Server

Step 6: Once the recovery process is complete the recovered **Project** and **Project Actual** folders will get listed at the left panel of the software.





Figure 4.8: Displaying the recovered data in SQL Server

4.2.2.2 Connecting Through UDL File

Universal Data Link file (.udl) helps to specify connection information to a data provider on Windows 2000 and later operating systems. Kernel for Project Server helps to achieve quick recovery of files by allowing to get connected to the MS SQL Server through UDL file and perform the recovery operation.

For performing recovery by connecting with the database through UDL file, the following steps need to be performed:

Step 1: For establishing connection with database from which files need to be recovered, enable **Use UDL file for connection information** option on Database Location Selection dialog box.



Server Name:	PROJECT-SERVER\OFFICESERVERS	1		
Authentication:	SQL Server Authentication	٠		
Logi	n: Sa	9		
Pass	word:			
Database Name	WSS_Content_Rej.mdf			
Use UDL file fo	(Enter the name of Live SQL database f r connection information (Please see help			
D:\Docume	nts and Settings\Administrator\Desktop\a	bu.ee	Browse	

Figure 4.9: Selecting UDL File for connection Information

Step 2: For connecting with the database with this option, you will need to create an UDL file. For creating UDL file follow these steps:

Creating an UDL File

- Step 1- Create a New Text Document (.txt) at the desired location.
- Step 2- Rename the file to 'test.udl'.
- **Step 3-** Double-click the 'test.udl'. Data Link Properties dialog box will appear.



🗏 Data Link Properties 🛛 🔀
Provider Connection Advanced All
Specify the following to connect to SQL Server data: 1. Select or enter a server name:
✓ Refresh
Enter information to log on to the server:
O Use Windows NT Integrated security
Use a specific user name and password:
User name:
Password:
🔲 Blank password 🔲 Allow saving password
3. 🖲 Select the database on the server:

C Attach a database file as a database name:
WSS_Content
Using the filename:
Test Connection
OK Cancel Help

Figure 4.10: Data Link Properties Dialog Box

Step 4- In Data Link Properties dialog box, click Provider tab.



평 Data Link Properties	×
Provider Connection Advanced All	
Select the data you want to connect to:	
OLE DB Provider(s)	~
Microsoft Jet 4.0 OLE DB Provider Microsoft Office 12.0 Access Database Engine OLE DB Pro- Microsoft OLE DB Provider for Analysis Services 9.0 Microsoft OLE DB Provider for DTS Packages Microsoft OLE DB Provider for Indexing Service Microsoft OLE DB Provider for Indexing Service Microsoft OLE DB Provider for ODBC Drivers Microsoft OLE DB Provider for OLAP Services 8.0 Microsoft OLE DB Provider for OLAP Services 8.0 Microsoft OLE DB Provider for Oracle Microsoft OLE DB Provider for SQL Server Microsoft OLE DB Simple Provider Microsoft OLE DB Simple Provider Microsoft OLE DB Simple Provider Microsoft OLE DB Simple Provider Microsoft OLE DB Simple Provider MSDataShape OLE DB Provider for Microsoft Directory Services SQL Native Client SQL Server Replication OLE DB Provider for DTS	
Next >>	
OK Cancel Help	

Figure 4.11: Setting the Provider in Data Link Properties

Step 5- Select the Provider that will be used to connect to your database. For example, if you need to check the availability of a Microsoft SQL database, you would need to select 'Microsoft OLE DB Provider for SQL Server'.

Step 6- Select the appropriate option and click **Next** to continue to the **Connection** tab. The Connection tab will request authentication information which is used to access your database.

Step 7- Select or enter the Server name and the username and password used to access the database.



😼 Data Link Properties 🛛 🛛 🔀			
Provider Connection Advanced All			
Specify the following to connect to SQL Server data: 1. Select or enter a server name:			
web24 Refresh			
 2. Enter information to log on to the server: C Use Windows NT Integrated security O Use a specific user name and password: 			
User name: sa			
Password: *****			
Blank password Allow saving password			
3, 💿 Select the database on the server:			
WSS_Content			
C Attach a database file as a database name:			
WSS_Content			
Using the filename:			
Test Connection			
OK Cancel Help			

Figure 4.12: Setting Data Link Properties

Note: You need to select the Allow saving password option for saving the password. If the password is not saved at the time of Data Link Properties configuration, the software fails to get connected with the database and a message regarding login failure appears on the Screen of Kernel for Project Server.

Step 8- Click the **Test Connection** button to confirm the connection to the server and database using the provided information.

Step 9- Open 'test.udl' with notepad. The file will contain a line with your connection string, which will be similar to:

Provider=SQLOLEDB.1; Password=YourPassword; Persist Security Info=True; User ID=YourUserID ;_Initial Catalog=YourDB; Data Source=YOUR_LOCAL_SERVER_NAME



Step 3: Once UDL file is created, select Use UDL file for connection and browse the UDL file.

Step 4: Click Finish. The scanning process will start and a window showing the process status will appear.

Retrieving column	a information	
veneving course	simormadori	
	-	
	Stop	

Figure 4.13: Displaying the recovery process status in UDL File

Step 5: Once the recovery process is complete the recovered **Project** and **Project Actual** folders will get listed at the left panel of the software.

Note: Number Numer Number Number	Ne View Tools Help	Kernet fo	ar Project Serv	e	1
Image: Sector in the sector	KERNEL				
Image: Strategy in the section of t	Project Server Folders	Pilellame	File Type	Vention	Document Viewer 8
Conservation C	NULL Usts Usts Usts Usts Usts Usts Usts U	Sunte.stor		3	DECLARATION FOR RELAXATION OF INCOME TAX DEDUCTION FINANCIAL YEAR 2012-13 DATE
Conscious av C				4 ×	NAME & DESIGNATION
Hem Package.db Disect(Lint)/Latin/Attachment/2 Leoide declaration Form PY 20121Disect(Lint)/Latin/Attachment/2 Address Sattle_cod Disect(Lint)/Latin/Attachment/1	New Test Document (2).14	Princt/List(\TaiksV	Machments/2	-	Father's Husband's Name
Contraction of the second states and the sec	Nen Package ds Sector Fam FY 20121 shifts ad declaration Fam FY 20121 shifts ad Sector form FY 2011-1	Project%kitte/Tanke/W Project%kitte/Tanke/W Project%kitte/Tanke/W Project%kitte/Tanke/W	Machment/2 Machment/2 Machment/1 Machment/1		

Figure 4.14: Displaying the recovered data in UDL File

4.3 Saving the Recovered Data

With Kernel for Project Server recovered files can be saved very easily. Recovered files that are saved in any specified location are restored according to the mode used for performing recovery process. Since



Raw File and Live SQL Instance recovery modes are used in specific corruption conditions, post-saving procedures for making the recovered files accessible again, are different. However, processes for saving recovered files are same in both modes. To save recovered files, you need to follow these steps:

Step 1: Go to the left panel and select folders you want to save

Step 2: Click Save on tool bar

Step 3: The Saving Mode dialog box appears to select the saving mode.

Save Tables		
6 sqt server		
Server Name (local)	Database Name	G
C Windows Authentication		
C Server Authentication		
User Name So	Password	
Save Documents		
Documents		
Folder Location		Browse
Save in full path		

Figure 4.15: Saving Mode for saving the recovered data



You can save the recovered objects in three different modes which are:

Saving Mode	Process
SQL Server	Using this option, the recovered objects can be saved on SQL Server directly, even if the Server is running. To save the data on SQL Server:
	 Mention Server Name and Name of the database in Server Name and Database name fields respectively. Do not provide name of existing database in Database name field. Create a new database in SQL Server Management Studio and enter the name of new database in Database name field. However, existing database name can also be provided but in case of existing database restored objects will get merged with existing objects. Select the Authentication option with which you wish to access the SQL Server i.e. Windows Authentication or Server Authentication
	To access SQL Server with Server Authentication, you need to enter User Name and Password in the respective fields
Batch File	Using this option, you can save the batch file of the rebuilt MDF file on a desired location. To save the recovered data, you need to browse the location using the Browse button. The data so recovered is saved in separate script files at the desired location. Also, a script file (commit.bat) is also created that enables the user to easily copy the recovered objects to a new database created on Server. To copy recovered objects to new database:
	 Go to SQL Server Management Studio Create a New Database Double click on commit.bat OR (Run->cmd) Change the path to recovered folder (cd PathName) Use following syntax:
	 >commit.bat servername newcreateddatabase sqlserverusername sqlserverpassword Press Enter key and all tables will be copied to the new created database.
Save Documents	Using this option, you can save recovered documents to the desired location. Just select the desired location and click OK to save documents separately on your hard disk.

Note: Select or de-select the **Save in full path** checkbox. This option, if checked saves the recovered documents with complete hierarchy, but if un-checked, then the software only saves the respective folder with its contents.



Step 4: Click OK and the files will be saved in defined location.

Process Completed	×
Saving done successfully	×
1	¥ *
Document(s) have been saved at following Location: <u>D:\Documents and Settings\Administrator\My Documents\Reco</u>	vered18-Jul-12 17.52.31
Tables(s) have been saved at following Location:	
OK]	

Figure 4.16: Saving Process Completion Window

Process to Create New Database through Commit.bat file - Using Raw File Mode

When using Raw File mode of recovery, Kernel for Project Server generates a Commit.bat file which contains the recovered tables from the corrupt MDF file. The Commit.bat file is then easily attached and connected to the MS SQL Server and items from recovered tables are restored to new database on the server.

- Go to SQL Server Management Studio
- Create a New Database
- Go to Command Prompt (Start menu->Run->cmc →)
- Change the path to recovered folder (cd PathName)
- Run the Commit.bat file by typing "commit.bat servername newcreateddatabase sqlserverusername sqlserverpassword" > press Enter key and all tables will be copied to the new created database.
- Once all tables are copied in database, the database is ready to be configured in MS Project Server.



Note: This option is applicable when only the MDF database is corrupt and recovery is performed through Raw recovery mode.

Process to create new database through recovered files - Using Live SQL Instance mode

When Live SQL Instance mode is used for recovery, Project and Project Actual folders are generated. The folders contain all recovered files, which are further restored to a new account on MS Project Server. Once new account is created and configured on MS Project Server, all files that are recovered through Kernel for Project Server can be uploaded on that account.

4.4 Create and Save Reports

Kernel for Project Server generates a list of path location where the files are positioned: Project Folder Location and Project Actual Folder Location. With Kernel for Project Server, report of extracted files and documents are saved in HTML file.

To create and save report, follow the steps given below:

Step 1: At the bottom of the screen a window titled **Document List** is displayed. This list contains fields such as File Name, Project Folder Location and Project Actual Folder Location. To create and save report, click **Project Folder Location** of the file for which you want to create report.

File Name	Project Folder Location	Project Actual Folder Location
New Bitmap Image [2] bmp	Project/picture	Project Actual/vajesh789/picture/picture
New Bitmap Image (2) bmp.jpg	Project/picture/_t	Project Actual/vajesh789/picture/picture/
New Bitmap Image (2) bmp ipg	Project/picture/_w	Project Actual/rajesh789/picture/picture/
hitr.txt	Project/gwgw	Project Actual/rajesh789/gwgw/gwgw
LESR Reports xls	Project/gwgw	Project Actual/rajesh789/gwgw/gwgw
OS Max	Project/gwgw	Project Actual/rajesh789/gwgw/gwgw
m repo 04july bak	Project/vgwgw	Project Actual/rajesh789/gwgw/gwgw
SW in Testing.odt	Project/gwgw	Project Actual/vajesh789/gwgw/gwgw
Test Cases on 29jan.ods	Project/gwgw	Project Actual/rajesh789/gwgw/gwgw
Wedding invitation card[Mr.Suman]	Project\gwgw	Project Actual\rajesh789\gwgw\gwgw
shar1011-65001.css	Project\ssp\admin_themes\sharedservices	
22.docs	Project/ssp/admin/yuy	
Change web-content-outline.doc	Project\ssp\admin\vuv	
Ready		

Figure 4.17: Depicting File Name, Project Folder Location and Project Actual Folder Location



Note: Document List window also helps to filter or search for specific files and other items if you know the saving location of those files. Search and click the appropriate link and locate the files.

Step 2: All files of that folder will get displayed at the right panel.

Step 3: Click 🖳 Save in HTML option from document list window.

2	Note: To view and hide the Document List window, right-mouse-click the Toolbar and
	check or uncheck the Document List option.



Figure 4.18: Selecting Document List Option

Step 4: A dialog box to select the saving location will appear. Select the desired location and folder.

Browse For Folder	?×
Select location to save repaired file(s)	
 i Desktop i i My Documents i My Computer i i Local Disk (C:) i i Data (E:) i CD Drive (H:) i Sharepoint (I:) i My Network Places 	
Folder: My Computer Make New Folder OK Car	ncel .::

Figure 4.19: Selecting the location and folder for saving recovered data

Step 5: Click OK and the report will be saved in HTML file at the defined location.



5. Download, Purchase and Register

5.1 Free Trial Download

The trial version of Kernel for Project Server is also available for free of cost, using which a user can evaluate and analyze the features, functionalities and capabilities of the software before making actual purchase. Free version of Kernel for Project Server works almost similar to that of the full version. Using the trial copy, user can preview the recovered files, folders and documents, but cannot save them. For saving the entire items, purchase the full version of the software.

Free version of Kernel for Project Server can be downloaded from our safe and secure

website: https://www.nucleustechnologies.com/kernel-project-server.html

5.2 Purchase & Register

Purchase the Full version of Kernel for Project Server for saving the recovered documents. The FREE trial version of Kernel for Project Server only displays preview of the recovered files and folders but limits from saving them.

Purchase the Full version of Kernel for Project Server through our encrypted and secure Website:

https://www.nucleustechnologies.com/buy-project-server-recovery.html

Payment and Delivery

Purchase the Kernel for Project Server from our authorized resellers, which provide number of payment options for your ease - Paypal, FAX, Credit Card, E-cheque, Pay Order, etc.

After making the purchase transaction with our resellers, an email is sent consisting of activation details and download link for the Full version of Kernel for Project Server comprising of the activation code. This email is sent to the email address, which you have used while processing the purchase transaction with our resellers. We suggest you not to use false email address while making the purchase transaction.

For any other details related to purchase process, software activation process, email us at:

sales@nucleustechnologies.com

5.3 Support

KernelApps Pvt Ltd provides round-the-clock technical support for its product range to solve technical and software queries. The software comes with an embedded user help manual that can be accessed by clicking **Help** in the software main window. You can also press the **F1** key on the keyboard of your computer to access the embedded user help manual of Kernel for Project Server.

We also have live support wherein you can chat with our software experts at:

https://www.nucleustechnologies.com/supportcenter/



Telephone Support:

+91-9818725861

1-866-348-7872 (Toll Free for USA/CANADA)

Email Support:

sales@nucleustechnologies.com for Sales

support@nucleustechnologies.com for Support

contact@nucleustechnologies.com for General Queries



6. Troubleshooting

6.1 Common Issues

What is the limitation in trial version of Kernel for Project Server?

The trial version of Kernel for Project Server works almost same as that of the full version of the software but has some limitation. Using the trial copy, user can preview the recovered files, folders and documents, but cannot save them.

6.2 Frequently Asked Questions

1. What are the major reasons for corruption of MS Project Server databases?

Major reasons for corruption of MS Project Server databases include server crash, drive failures, fault in saved database, accidental file deletion, etc.

2. Give the link to purchase Kernel for Project Server?

One can purchase Kernel for Project Server using our safe, secure and encrypted Website:

https://www.nucleustechnologies.com/buy-project-server-recovery.html

3. What are the two modes of recovery in Kernel for Project Server?

Kernel for Project Server offers two recovery modes- Raw File Mode and Live SQL Instance Mode.

4. What are the supported Windows OS Platforms for Kernel for Project Server?

The supported Windows OS Platforms for Kernel for Project Server are Windows 2000, Windows Vista, Windows XP, Windows Server 2003, Windows Server 2003 - 64 Bits, Windows Server 2008 Enterprise, Windows Server 2008 Enterprise- 64 Bits, Windows 7 Ultimate and Windows 7 Ultimate - 64 Bits.

5. What versions of MS SQL Servers does Kernel for Project Server support?

The supported MS SQL Server versions for Kernel for Project Server are MS SQL Server 2000, MS SQL Server 2005, MS SQL Server 2008, MS SQL Server 2008 R2, and MS SQL Server 2012.

6. What versions of MS Project Servers does Kernel for Project Server support?

The supported MS Project Server versions for Kernel for Project Server are MS Project Server 2010, MS Project Server 2007, MS Project Server 2003, MS Project Server 2002, and MS Project Central (2000).

7. Give the link for downloading the free trial version of Kernel for Project Server.

The free trial version of Kernel for Project Server can be downloaded using the

link: https://www.nucleustechnologies.com/kernel-project-server.html



7. Legal Notices

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General

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