

NEW HOSPITAL DEPLOYMENT

Diane

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Deployment Manager	Deployment Manager	Deployment Manager		
)auert)auert)auert		
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1. Preamble

1.1 Provision of a dump (Oracle/SQL Server)

A dump of an English database will be sent to DRÄGER by BOW MEDICAL. It will then be translated into other languages.

BOW MEDICAL is not responsible for the back-up and administration of client databases.

1.2 Provision of DIANE packages

Each new English (and multi-language) version will be provided to DRÄGER.

One version per year will be made available via an FTP file transfer.

Each version will contain four packages:

- DianePackage
- ConvertBD
- DiaTools
- Dialnterf

The purpose of each of these will be explained in the following.

1.3 Licence file request

Our team must be notified of all new installations in DRÄGER facilities via email (contact@bowmedical.com).

The message must include the order (or at least its number) associated with the facility and the facility name to be given on the licence.

2. Installation of DIANE servers

2.1 Server requirements

Please read the server requirements documentation.

We strongly recommend following the **recommended** configuration.





2.2 Client computer requirements

Please read the client computer requirements documentation.

We strongly recommend following the **recommended** configuration.

2.3 Integration of the database

The original database dump will not exceed 100 MB.

- If an ORACLE database management system is used, a tablespace named "DIANE_T" of approx. 6 GB with autoextend and no defined maximum size and a user (ID: SYSDIANE, password: azt3x23hp27) must be created.
- If a MSSQL database management system is used, a user account (ID: SYSDBA, password: azt3x23hp27) must be created.
 This account must also be the administrator of the DIANE database.
 SQL Server Browser, Agent SQL Server and the SQLEXPRESS TCP/IP protocol must be activated.

We recommend a daily back-up and storage with no time limit and no data cleansing. The anticipated growth is approx. 500 KB per day per ICU box.

Important note regarding date formats: Please ensure that the database date format is set to the French format.

- For Oracle: NLS_DATE_FORMAT=DD/MM/RR
- For SQL Server: This is the date format defined in the regional settings of the server that hosts the database. The format must be dd/mm/yyyy.

2.4 Installation of the interface server

2.4.1 Verification of requirements

If you have followed the server requirements, the following elements should be available:

- A server with two partitions. One for the system, one for saving.
- A server with a 32-bit DBMS client (if necessary, for example Oracle)
- The database should be well integrated in the DBMS and accessible from the interface server.
- The server should have Word, PDFCreator, a PDF reader and ideally NotePad++ to facilitate the treatment of logs if necessary.
- DIANE folders should be excluded from antivirus and firewall analysis.
- You must have an administrator session for the subsequent operations.

Once all these points have been verified, we can start configuring the server.



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2.4.2 Folder hierarchy

Your server should logically have two hard drives. We recommend keeping the system partition (in our example C:) for the installation of software and using the second partition (in our example D:) for saving the various elements associated with DIANE.

C: drive						
	DIANE				→	Folder containing all sub-folders used by DIANE
		Installation			≯	The various installers are located here.
D: drive			DIANE		>	The executable DiaUpdate.exe will be at the root. The folder must have write permissions for users.
😪 🏪 Disque local (C:)				ROData	→	Contains the db.ini folder for connecting DIANE to your database.
U BOW - Kevin (D:)		Interfaces			→	Extraction of the Dialnterf.exe batch
Diane Installation Diane			ROData		→	Contains the db.ini folder for connecting DIANE to your database.
ROData		InterfacesHL7			→	HL7 monitoring services where necessary
Interfaces			ROData		→	Contains the db.ini folder for connecting DIANE to your database.
ROData		Tools			>	Extraction of the DiaTools.exe batch
Tools			ROData		→	Contains the db.ini folder for connecting DIANE to your database.
V Update		Update			→	Extraction of the ConvertBD.exe batch
KOData			ROData		→	Contains the db.ini folder for connecting DIANE to your database.
			SRC		→	Folder for storing update packages.
				x.x.x.x	→	Contains DianePackage.exe with the version as the folder name
		UpdateFTP			→	Destination of the *.diaz file needed for updates. This folder must be shared with client computers.

• **DiaInterf.exe**, **DiaTools.exe**, **ConvertBD.exe** and **Dianepackage.exe** must be downloaded from the FTP provided. They must be extracted (except for DianePackage.exe) as indicated on the image above using the password "ladmin".

• The *.diaz file and DiaUpdate.exe are generated automatically during the first update.





• The **db.ini** file which should be included in each of the ROData folders can be created manually by you. To do this, open a notepad (named db.ini, do not keep the *.txt extension at the end) and include the information below (adapted to your database information): *NB: Do not insert the elements in blue. These are for information purposes only.*

Oracle:	
[FDConnectionDefs.ini]	Do not modify.
Encoding=UTF8	Do not modify.
[DianeProduction]	Name of your alias available on launching the application.
User_Name=SYSDIANE	Do not modify.
Database=DIANE	Indicate the database name corresponding with TNSNAME.
DriverID=Ora	Do not modify.
<u>SQLServer:</u>	
[FDConnectionDefs.ini]	Do not modify.
Encoding=UTF8	Do not modify.
[DianeProduction]	Name of your alias available on launching the application.
DriverID=MSSQL	Do not modify.
Database=Diane	Indicate the database name.
User_Name=SYSDBA	Do not modify.

The file must be saved in the format UTF8-BOM.





2.4.3 FTP installation

Launch the FTP Filezilla Server installer:

ress Page Do	wn to see the res	t of the agreeme	ent.		
	GNU GEN Versior	NERAL PUBLIC LI n 2, June 1991	CENSE		^
Copyright (C) Everyone is p of this license	1989, 1991 Free 59 Temple Place, ermitted to copy document, but c	e Software Found , Suite 330, Bosto and distribute ve hanging it is not	dation, Inc. on, MA 02111-130 erbatim copies allowed.	07 USA	
		Preamble			
The licenses	for most software	e are designed to	o take away your		~
f you accept t	he terms of the a	agreement, dick I	Agree to continu	e. You must accep	ot the

Select exactly the same boxes as shown on the following screen grabs:

7 File	Zilla Server beta 0.9.29 Se	etup 🗕 🗖 🗙							
Choose Components Choose which features of FileZilla Server beta 0.9.29 you want to install.									
Check the components you want to install and uncheck the components you don't want to install. Click Next to continue.									
Select the type of install:	Standard 🗸								
Or, select the optional components you wish to install:	FileZilla Server (Service) Administration interface Source Code Start Menu Shortcuts Desktop Icon	Description Copy the administration interface to the application folder.							
Space required: 7.6MB									
Nullsoft Install System v2.38									
	< Back	Next > Cancel							

Change the installation pathway as required:

Z	FileZilla Server beta 0.9.29 Setup
Choose Install Choose the fold	Location der in which to install FileZilla Server beta 0.9.29.
Setup will instal folder, click Bro	I FileZilla Server beta 0.9.29 in the following folder. To install in a different wse and select another folder. Click Next to continue.
Destination Fe	older
D:\Program	1 Files (x86) \FileZilla Server Browse
Space required	: 7.6MB
Space available	: 34. IGD
Nullsoft Install Sys	tem v2.38
	< Back Next > Cancel



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Choose the following options:

FileZilla Server beta 0.9.29 Setup
Startup settings Select startup behaviour for FileZilla Server
Please choose how FileZilla Server should be started:
Install as service, started with Windows (default)
Please choose the port, the admin interface of FileZilla Server should listen on (1-65535):
Start Server after setup completes
Nullsoft Install System v2.38
< Back Next Cancel

Z	FileZilla Server beta 0.9.29 Setup	_ 🗆 X
Startup settings Select startup be	haviour for FileZilla Server	Z
Please choose ho	w the server interface should be started:	
Start manually		~
Sart Interfac	e after setup completes	
Nullsoft Install Syste	m v2.38	
	< Back Inst	all Cancel

Launch the installation by clicking Install.





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stallation C	Complete				
etup was co	ompleted successfully.	12			
ompleted					
Create shor	rtcut: C:\Users\adminjpv\AppData\Roaming\Microsoft\Windows\Start Men	~			
Create shor	rtcut: C:\Users\adminjpv\AppData\Roaming\Microsoft\Windows\Start Men				
Create shor	rtcut: C:\Users\adminjpv\AppData\Roaming\Microsoft\Windows\Start Men				
Create shortcut: C:\Users\adminjpv\AppData\Roaming\Microsoft\Windows\Start Men					
Create shor	rtcut: C:\Users\adminjpv\AppData\Roaming\Microsoft\Windows\Start Men				
Create shor	rtcut: C: \Users \adminjpv \AppData \Roaming \Microsoft \Windows \Start Men rtcut: C: \Users \adminjpv \Desktop \FileZilla Server Interface.lnk				
Create shor Create shor Execute: D	rtcut: C:\Users\adminjpv\AppData\Roaming\Microsoft\Windows\Start Men rtcut: C:\Users\adminjpv\Desktop\FileZilla Server Interface.Ink D:\Program Files (x86)\FileZilla Server\FileZilla Server.exe* /adminport 14147				
Create shor Create shor Execute: "D Execute: "D	rtcut: C:\Users\adminjpv\AppData\Roaming\Microsoft\Windows\Start Men rtcut: C:\Users\adminjpv\Desktop\FileZilla Server Interface.Ink D:\Program Files (x86)\FileZilla Server\FileZilla Server.exe" /adminport 14147 D:\Program Files (x86)\FileZilla Server\FileZilla Server Interface.exe" /admi				
Create shor Create shor Execute: "D Execute: "D Installing Se Execute: "D	rtcut: C: \Users \adminjpv \AppData \Roaming \Microsoft \Windows \Start Men rtcut: C: \Users \adminjpv \Desktop \FileZilla Server Interface.Ink D: \Program Files (x86) \FileZilla Server \FileZilla Server.exe" /adminport 14147 D: \Program Files (x86) \FileZilla Server \FileZilla Server Interface.exe" /admi ervice D: \Program Files (x86) \FileZilla Server \FileZilla Server.exe" /install auto	H			
Create shor Create shor Execute: "D Execute: "D Installing Se Execute: "D Completed	rtcut: C: \Users \adminjpv \AppData \Roaming \Microsoft \Windows \Start Men rtcut: C: \Users \adminjpv \Desktop \FileZilla Server Interface.Ink D: \Program Files (x86) \FileZilla Server \FileZilla Server.exe" /adminport 14147 D: \Program Files (x86) \FileZilla Server \FileZilla Server Interface.exe" /admi ervice D: \Program Files (x86) \FileZilla Server \FileZilla Server.exe" /install auto	== >			
Create shor Create shor Execute: "D Execute: "D Installing Se Execute: "D Completed	rtcut: C: \Users \adminjpv \AppData \Roaming \Microsoft \Windows \Start Men rtcut: C: \Users \adminjpv \Desktop \FileZilla Server Interface.Ink D: \Program Files (x86) \FileZilla Server \FileZilla Server.exe" /adminport 14147 D: \Program Files (x86) \FileZilla Server \FileZilla Server Interface.exe" /admi ervice D: \Program Files (x86) \FileZilla Server \FileZilla Server.exe" /install auto	III >			
Create shor Create shor Execute: "D Installing Se Execute: "D Completed	rtcut: C: \Users \adminjpv \AppData \Roaming \Microsoft \Windows \Start Men rtcut: C: \Users \adminjpv \Desktop \FileZilla Server Interface.Ink D: \Program Files (x86) \FileZilla Server \FileZilla Server.exe" /adminport 14147 D: \Program Files (x86) \FileZilla Server \FileZilla Server Interface.exe" /admi ervice D: \Program Files (x86) \FileZilla Server \FileZilla Server.exe" /install auto	= >			

Then Close to complete the installation.

Start the service manually the first time in order to ensure it is working correctly.

Q ₆		S	ervices		_ D X				
Fichier Action A	Fichier Action Affichage ?								
(-	à 🗟 🛛 🖬 🕖 🔍 🛡	IÞ							
Services (local)	Nom 🔺	exciption	É+-+	Type de démorrage	Ouvrir une session e 🔨				
	🔅 FileZilla Server FTP server	ſ	En cours d'exécution	Automatique	Système local				

Start the Filezilla server with the icon now found on the desktop:



For the first connection without a password choose the address127.0.0.1 and select "always connect to this server":

Connect to	Server ×
Server Address:	Port:
127.0.0.1	14147
Administration password:	server





In Edit then Settings, change the password with "ladmin" as above and press OK:

	FileZilla Server Optior	ns 🔭
General settings	Admin Interface settings	FileZilla Server
Welcome mess I P bindings I P Filter Passive mode settir Security settings Miscellaneous Admin Interface sett Cogging GSS Settings Speed Limits Electroped conservation	Important Due to security considerations, the admin from local connections. If you aren't conne IP), all changes on this page will be ignored Port on which the admin interface should li Bind the admin interface to the following IP addresses:	interface settings can only be changed ected locally (using 127.0.0.1 as server d by the server. isten: 14147 IP Addresses which are allowed to connect to the admin interface:
···· Fileuansier comples ···· SSL/TLS settings ✓ ✓ ✓ III →	Use * to bind to all addresses. 127.0.0.1 is the default binding, it always exists and cannot be removed. Change admin password: New Password: Minimum password length is 6 characters. A password is required for remote administ	You may use wildcards in the IP Addresses. (example: 123.234.12?.*) 127.0.0.1 is always allowed to connect to the admin interface. type new Password:

Then open the menu Edit - Users to set up the dianeupdate account:

ide:	Account settings	lleare
		03013
Shared folder		
	Password:	
IP Filter	Group membership:	
	Bypass userlimit of server	
	Maximum connection count:	
	Connection limit per IP:	Add Remove
	Force SSL for user login	
		Rename Copy
	Description	
	<u>^</u>	
OK		
UK		
	rou can enter some comments about the user	

Create the dianeupdate account:







Attribute the following options (password: dianeupdate):

'age: General Shared folders Speed Limits IP Filter	Account settings Password: Group membership:	Users dianeupdate
	Bypass userlimit of server Maximum connection count: 0 Connection limit per IP: 0 Force SSL for user login	Add Remove Rename Copy
	Description	
ОК	You can enter some comments about the user	

Share the folder D:\Diane\UpdateFTP previously created for the dianeupdate account:

^p age:	Shared folders			Users
General Shared folders Speed Limits IP Filter	Directories	Aliases	Files Read Write Delete Append Directories Create Delete	dianeupdate
OK	A directory alias will al path. Separate multipl If using aliases, please	Remove Rename so appear at the specific e aliases for one director e avoid cyclic directory s	Set as home dir	Add Remove Rename Copy t contain the full local er (1) nfuse FTP clients.

The UpdateFTP folder should have Read + List + Subdirs permissions as follows:







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2.4.4 Setting up interfaces

Please refer to the full documentation on interfaces.

2.4.5 Setting up the licence file

Launch ConvertBD from D:\Diane\Update and select the version used by your facility:

Conversion de la base de données Diane	
Veuillez sélectionner la version cible de la base désirée :	
4.7.2	×
4.7.1	
4.6.25	
4.6.24	
4.6.23	
4.6.22	
4.6.21	
4.6.20	
4.0.19	
4.5.17	
46 15	
	*
	🗸 ок

In this list, select the alias you configured in your db.ini file. If no alias is available, your d.ini file is not correctly positioned in the tree structure.



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📑 Conve	ersion de la base de données Diane -> 4.7.2 MSSQL_Dia — 🛛 🛛 🗙	🔜 Gestion des licences Diane — 🗆 🗙
1	Sélection de l'alias de SGBD à convertir/mettre à jour : MSSQL_Diane47 ✓ Version courante de la base de données : 4.7.1.9	Version licence Version 4 Clé de l'établissement ETABLISSEMENT b71eb822eb5edcd42d724a95ebd0a847
2	Numéro de l'archive 6 🗸 🗸	Sélectionner une licence Aucun fichier sélectionné
3	mise a jour mineure	Nom de la personne validant l'ajout du fichier de licence
_ Marqu	à jour le fichier "EmptyObject.dat" ner" les mouvements de personnel en erreur	Licence en cours (Ajoutée le 11/02/2015 09:53:45) : - Portail Diane - Configuration - Consultation - Visual - Portail Médical de suivi Multi-Patient - CCAM / CIM10 - Messagerie - Comptabilité - Rendez-Vous - Diane Print - Diane Caller - Outil de fusion - Module de requêtes - Drivers - Drivers
	Gestion des licences Génération des modèles DiaReport Mise à jour des templates XSL Export de la config DianeObst (uniquement pour démo version)	Driver Magnitude Remote Display Driver Bis (Aspect) Driver PSE BaseA, Master TCI "Fresenius Vial" Driver Pousse seringue "Becton Dickinson" Driver Draeger Physioflex Driver Schiller MagLife Driver Schiller MagLife Driver PCAM IVAC Driver Fresenius Aglia Driver Fresenius Aglia Driver Fresenius Aglia
Réinitia	aliser la base (vide tous les éléments effacés et tous les patient de la base) Anonymiser la base de données	

Connecté à la BD.

Once you have made your choice, click "Licence management".

A page then opens and you can click "Select a licence".

Here, insert the licence file you have received via BOW MEDICAL and click "Import licence" at the bottom of the page.

Your facility now has a valid licence for using DIANE.

2.4.6 Setting up the update tool

Launch ConvertBD from D:\Diane\Update and select the version used by your facility:



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DBA info:

The sysdiane password is used permanently in ConvertBD and must absolutely be that of BOW MEDICAL and cannot be changed.

In this list, select the alias you configured in your db.ini file. If no alias is available, your d.ini file is not correctly positioned in the tree structure.

Once you have made your choice, click "Minor update", leaving the check boxes as they are.

🜏 Conversi	Conversion de la base de données Diane -> 4.7.2 MSSQL_Dia —				×
	Sélection de l'alias de S	GBD à convertir/mettre à jour :			
1	MSSQL_Diane47		\sim		
	Version courante de la base	de données : 4.7.1.9			
2	Numéro de l'archive	6	~		
3	M	fise à jour mineure			
Marquer comme Bêta					
🗹 Mettre à j	our le fichier ''EmptyObject.da	at''			





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This will bring you to the main ConverBD update window:
📑 Déclenchement de mise à jour pour Diane — 🗌 🗙
Mode de mise à jour Mise à jour via Serveur FTP 🗸 🗆 Rendre la mise à jour obligatoire
Date de mise à jour Diane : 06/03/2020 🗸 14:29:20 😭 Pas de date de MAJ
Mode "bavard" (utilisé pour les tests)
Addresse IP du serveur 192.168.1.176 Port à utiliser 21
Login dianeupdate Mot de passe
🗌 Utiliser le mode passif pour la connexion 🛛 🗌 Désactiver UseHost
Référencement du DiaServeur 🗹 Utilisation DiaServeur à distance
Authentification DCOM désactivée (défaut)
Identifiants du compte à utiliser pour le référencement et la configuration liée à l'utilisation du DiaServeur à distance. Si vide alors le compte windows connecté au moment de la mise à jour du poste client sera utilisé. Le référencement du DiaServeur est nécessaire à chaque mise à jour majeure.
Nom de domaine complet BOW
Login BOWMEDICAL Mot de passe
Emplacement du paquet de mise à jour Diane (DianePackage)
D:\Diane\Update\SRC\4.7.2.10
Dossier de destination du fichier à générer (lex : DU 445, 24 diaz, à mettre sur ETP)
D:\Diane\UpdateFTP
✓ Déclencher la mise à jour X Annuler

- Update mode: Keep "Update via FTP server" •
- DIANE update date: Enter the required date manually or leave the default date.
- Do not select "Verbose mode". •
- Enter the interface server IP address (the one containing your FileZilla) and the port used. •
- Login: dianeupdate / password: dianeupdate •
- Only select "DiaServer Self-Referencing" and "Use DiaServer Remotely" unless we specifically • ask you otherwise.
- You must then enter an account (the local administrator of the client computers) to have write permissions for the registry during the referencing of DiaServer (this is carried out on each update and is necessary for the application to work properly). Of course, this login/password is encrypted and remains strictly confidential at your level.
- Then, in the field concerning the location of the Diane update package, you must enter the link to the folder containing the DianePackage.exe.
- Finally, the last field allows the *.diaz file to be generated. This is then retrieved by the client • computers. The path to the UpdateFTP directory created in advance and configured with the server FTP must be indicated.

Then, click "Launch update".



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Various messages will appear and must be validated one by one as indicated below:



Fusion des fichiers ini		
	7%	
Fusion en cours		



Informations		×
1	La mise à jour mineure est intégrée en BD	
		ОК



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Your interface server is now ready to use DIANE. The client must now be installed.

2.4.7 Installing DIANE on the interface server

If you have followed these instructions correctly, the "Installation" directory of your storage disk should have a "Diane" folder containing a DiaUpdate.exe and the sub-folder ROData containing your db.ini. (If DiaUpdate.exe is missing, it is available in the UpdateFTP folder).

Copy the whole "Diane" folder and paste it to where you want the software to be installed.

Ensure that the Diane folder contains write permissions for users and launch the Diaupdate.exe as an administrator.

Installation should then take place automatically.

If this is not the case:

Ensure that the FTP is working and that the client computer can access it with no restrictions. Ensure that the db.ini file is configured correctly. Ensure that your server allows contact with the database. Ensure that the installation is carried out with an administrator account.

If the issue persists, please contact BOW Medical support on +33(0)891 700 300 or by email at *contact@bowmedical.com*.





2.5 Installation of client computers

This is identical to the installation of the DIANE client on the interface server.

2.6 Updating the DIANE client

Launch Diane.exe with a valid account to start the update.

ine : connexion	
DIRNE	
Alias	
ORA_SYSDIANE7	
Identifiant SYSDIANE Mot de passe	
•••••	

A message indicating that the update will be carried out will appear:

Confirmation		
?	La version de Diane que vous utilisez actuellement n'est pas correcte. Version actuelle du poste : 4.7.1.24 du 23/07/2018 23:02:38 Version de la base de données : 4.7.1.25 du 30/08/2018 15:30	
	Voulez-vous effectuer la mise à jour maintenant ?	
4.7.1.24	Oui Non	
Mise à jour de	Diane	
Alias: ORA_SYSD		
25%		
	471_25/App057.exe	





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Following this, a message confirming successful completion should appear.

If it does not, carry out the same verifications as for installation:

Ensure that the FTP is working and that the client computer can access it with no restrictions. Ensure that the db.ini file is configured correctly.

Ensure that your client computer allows contact with the database.

Ensure that the update is carried out with an administrator account (if the account previously entered in ConvertDB is an administrator, there should be no issues with launching the operation from a user session).

If the issue persists, please contact BOW Medical support on +33(0)891 700 300 or at contact@bowmedical.com.

Once the update has been validated, launch Diane.exe again to access the normal start-up of the client with no update request:

ane : connexion	
DIRNE	
Alias	
ORA_SYSDIANE7	
Identifiant SYSDIANE	
Mot de passe	
•••••	





Validate the theatre location confirmation request or select your actual location to access the application:



If no error message appears when you access the application, this means that the application is working correctly.

2.7 Conclusion

Your facility is now ready to deploy DIANE.

Please inform BOW MEDICAL of all software version updates at your facility so that we can ensure optimal customer service.

