

Working with DEFA

Intellicus Enterprise Reporting and BI Platform



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For details, visit: <u>http://www.intellicus.com/acknowledgements.htm</u>



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Installing DEFA

The DEFA setup is available in a zip file. You need to unzip this and run 'IntellicusDEFA<version>_win<architecture>.exe' file. This invokes the installation wizard that guides you through the installation process.

Figure 1 shows the **Welcome Screen**. Click the **Next** button to proceed. **License Agreement** screen appears.

Intellicus DEFA 7.0.3 - InstallShield Wizard	
	Welcome to the InstallShield Wizard for Intellicus DEFA 7.0.3
	The InstallShield® Wizard will install Intellicus DEFA 7.0.3 on your computer. To continue, click Next.
	< Back Next > Cancel

Figure 1: Welcome Screen

Figure 2 shows the License Agreement screen.



Tip: To abort the installation process, at any stage of installation, you can click the **Cancel** button.



Intellicus DEFA 7.0.3 - InstallShield Wizard
License Agreement Please read the following license agreement carefully.
Press the PAGE DOWN key to see the rest of the agreement.
IMPORTANT - READ CAREFULLY This document includes warranty disclaimers and a license agreement granting the usage of specific licensed edition of Intellicus Enterprise Reporting Suite. Intellicus wants you to be satisfied with the Intellicus Free Reporting Suite and understand the manner in which you are permitted to use it. If you have any questions about this Agreement, please contact INTELLICUS Technologies Pvt. Ltd., 1st Floor, Sarda House, 24-B Palasia, A.B. Road, Indore -452001 Madhya Pradesh, INDIA(Head Office) Phone +91-(731)-4069989 or Intellicus Technologies, 5300, Stevens Creek Blvd, Suite 450, San Jose, CA 95129 USA,(US Office) Phone: +01-(408)-213-3314 or email to
Do you accept all the terms of the preceding License Agreement? If you select No, the setup will close. To install Intellicus DEFA 7.0.3, you must accept this agreement. InstallShield Keack Yes No

Figure 2: License Agreement Screen

Read the License Agreement.

If you agree, then click \boldsymbol{Yes} button to proceed to the $\boldsymbol{Customer}$ Information screen.

Figure 3 shows the **Customer Information** Screen.



Intellicus DEFA 7.0.3 - InstallShield Wizard	×
Customer Information	and the second second
Please enter your information.	
User Name:	
Windows User	
Company Name:	
Windows User	
Install this application for:	
 Anyone who uses this computer (all users) 	
Only for me (Windows User)	
InstallShield	
< Back Next >	Cancel

Figure 3: Customer Information

User Name/ Company Name

Please specify the User Name and the Company Name.

User has an option to install this application for use by either all users (Select Anyone who uses this computer) or only by the administrator (Select only for me).

Click **Next** to move onto the next screen.

Figure 4 shows Installation Options screen.



Intellicus DEFA 7	7.0.3 - InstallShield Wizard 🛛 🔀
Setup Type Select the set	up type to install.
Please select	a setup type.
Complete	All program features will be installed. (Requires the most disk space.)
C Custom	Select which program features you want installed. Recommended for advanced users.
InstallShield ———	< Back Next > Cancel

Figure 4: Installation Options

Complete Install

Select this option to:

- Install the DEFA component.
- Install DEFA at the default location set in the installation program.

Custom Install

Select this option to:

- Install the DEFA component.
- Select the location to install DEFA.

Click Next to proceed to Installation Location screen.



Intellicus DEFA 7.0.3 - InstallShield Wizard			×
Choose Destination Location Select folder where setup will install files.			ANA I
Setup will install Intellicus DEFA 7.0.3 in the foll	owing folder.		
To install to this folder, click Next. To install to a another folder.	a different folder	, click Browse a	nd select
Destination Folder C:\Program Files\IntellicusDEFA		[Browse
	< Back	Next >	Cancel

Figure 5: Option to change the destination folder

By default, the application is installed at path: C:\Program Files\IntellicusDEFA. User has the option to either go with the default destination location or specify a different destination (installation) location. Click **Browse** and specify the destination location to change it.

When you click **Browse** button, **Choose Folder** screen appears. On this screen, you may specify path in the **Path** area. If you do not remember the path, you can also select it from **Directories** area.





Figure 6: Specifying Installation folder

Specify path in **Path** area or select path by double-clicking and opening respective folders within **Directories** area. Selected path will appear in **Path** area.

Click **OK** to select the path for installation. Click **Next** to go onto the **Select Features** screen.

Intellicus DEFA 7.0.3 - InstallShield Wizard	×
Select Features Select the features setup will install.	
Select the features you want to install, and dese	lect the features you do not want to install.
I DEFA	Description
Intellicus DEFA Service	Installs the Intellicus DEFA (data extraction and forwarding agent).
119.45 MB of space required on the C drive 35753.26 MB of space available on the C drive	
InstallShield	
	< Back Next > Cancel

Figure 7: Select one or more components to install





Tip: Select Components to Install screen also displays the required and available hard disk space for the selected components. You can utilize this information to judge the system requirements.

Select DEFA component and click **Next** to proceed to **Ready to Install the Program** screen.

Intellicus DEFA 7.0.3 - InstallShield Wizard	×
Ready to Install the Program The wizard is ready to begin installation.	
Click Install to begin the installation.	
If you want to review or change any of your installation se the wizard.	attings, click Back. Click Cancel to exit
InstallShield	
< Bac	ck Install Cancel

Figure 8: Review the installation preferences screen

Verify the information that is provided. Click **Back** to go back and change any settings if required.

Click Next to go onto the Installation Progress screen.



Intellicus DEFA 7.0.3 - InstallShield Wizard	×
Setup Status	No.
Intellicus DEFA 7.0.3 is configuring your new software installation.	
Removing applications	
InstallShield	
	Cancel

Figure 9: Installation Progress screen

After the installation is complete, **InstallShield Wizard Complete** screen will popup.

Intellicus DEFA 7.0.3 - InstallShield Wizard	
Intellicus DEFA 7.0.3 - Installs	InstallShield Wizard Complete Setup has finished installing Intellicus DEFA 7.0.3 on your computer.
	< Back Finish Cancel

Figure 10: Installation Wizard Complete

 ${\sf Click}\ {\bf Finish}$ to complete the installation of the DEFA component on your machine.



Post-Installation Instructions

The installation process creates the following folders in the installation folder:

\mu DEFA	7/16/2013 1:02 PM	File folder
鷆 jre	7/16/2013 1:02 PM	File folder
퉬 service	7/16/2013 1:02 PM	File folder

Figure 11: IntellicusDEFA Folder Structure

• You can start DEFA immediately after the installation from under Start > All Programs > Intellicus > IntellicusDEFA > Start DEFA.

J Intellicus
퉬 IntellicusDEFA
Start DEFA
Stop DEFA
🛃 Uninstall DEFA

Figure 12: Options in IntellicusDEFA menu

The DEFA Server will now start automatically when you restart the machine.

User can check the status of the server under Services.



Configuring DEFA

This section of the document discusses properties related to configuration of DEFA to be able to connect and forward data to Report Server.

You can find the configuration files under ...\IntellicusDEFA\DEFA\config folder.

Configuring DEFA Properties

DEFA's configuration is achieved by setting properties associated with it.

DEFA Name

This is the unique identifier of the DEFA Agent. Syntax: DEFA_NAME = [] (String) Default: Intellicus Example: DEFA_NAME=Intellicus

Server URL

In case the Report Server uses a Web Server, this is the URL of Web Server to which DEFA will connect and forward data. Syntax: SERVER_URL = [] (String) Default: blank Example: SERVER_URL= http://192.168.152.86:90/server

Server IP

This is the IP address of Report Server to which DEFA will connect and forward data. Syntax: SERVER_IP = [127.0.0.1] (String) Default: 127.0.0.1 Example: SERVER_IP=127.0.0.1

In case both Server URL and Server IP are provided, it takes address from Server URL by default.

Server Port

IP Port of Report Server to which DEFA will connect and forward data. Valid value for the port is any integer greater than zero. Syntax: SERVER_PORT = [45450] (int) Default: 45450 Example: SERVER_PORT=45450

Server Time Out

This is the time in seconds after which the DEFA connection will be closed, if not used for that many seconds. Valid value for this timeout is any integer greater than zero. Syntax: SERVER_TIME_OUT = [45450] (int) Default: 60 Example: SERVER_TIME_OUT=60

Listener Port



Configuring DEFA

The port at which the DEFA server is listening. Should be unused by any other program on this machine. This port is used for shutdown request. Syntax: LISTENER_PORT = [1024] (int) Default: 45460 Example: LISTENER PORT=45460

Log Files

The log file directory to keep the log files. The log filename is DEFAAgent.log. Syntax: LOGS = [path] (String) Default: ../logs Example: LOGS=../logs

Log Level

The debug level for logging indicates the level of criticality to be considered for logging. Syntax: LOGLEVEL = [TRACE, DEBUG, INFO, WARN, ERROR, FATAL] (String) Default: ERROR Example: LOGLEVEL=ERROR

Retry Enabled Flag

This flag (when true) facilitates a retry action in case data extraction or forwarding has failed. This failure can be due to scenarios like DEFA is unable to connect to database for data extraction, unable to connect to Report Server or unable to read/write file. Syntax: RETRY_ENABLED = [TRUE, FALSE] (String) Default: TRUE) Example: RETRY_ENABLED=TRUE

Retry Count

This is the number of times retry should be performed once data extraction or forwarding has failed. In the following example, after Retry Count has reached value 3, DEFA would pick the next schedule. Syntax: RETRY_COUNT = [3] (int) Default: 3 Example: RETRY_COUNT=3

Retry Frequency

The Retry action should be performed after this frequency specified in seconds. Syntax: RETRY_FREQUENCY = [>0] (int) Default: 60 Example: RETRY_FREQUENCY=60



Uninstalling DEFA

Use Add/Remove Programs window in the Control Panel to uninstall DEFA.

Click Start > Control Panel > Programs and Features

Organize 🔻 Uninstall/Change							
Name	Publisher	Installed On	Size	Version			
💼 Add or Remove Adobe Creative Suite 3 Design Premi	Adobe Systems Incorporated	5/10/2013	1.05 GB	1.0			
🖉 Adobe Flash Player 9 ActiveX	Adobe Systems, Inc.	5/10/2013	2.65 MB	9.0.45.0			
🖉 Adobe Flash Player 9 Plugin	Adobe Systems, Inc.	5/10/2013	2.52 MB	9.0.45.0			
Adobe Reader X (10.1.1)	Adobe Systems Incorporated	4/4/2012	114 MB	10.1.1			
Je Broadcom Gigabit Integrated Controller	Broadcom Corporation	5/9/2013	796 KB	10.50.03			
💿 Google Chrome	Google Inc.	4/4/2012		28.0.1500.72			
🔜 Intel(R) Graphics Media Accelerator Driver	Intel Corporation	5/9/2013	54.2 MB	8.15.10.1930			
📴 Intellicus DEFA 7.0.4	Intellicus Technologies Inc.	7/16/2013	105 MB	7.0.4			
L Microsoft Lync 2010	Microsoft Corporation	5/8/2013	91.2 MB	4.0.7577.4384			
🔀 Microsoft Office Standard 2010	Microsoft Corporation	4/4/2012		14.0.6029.1000			
🥪 Microsoft Silverlight	Microsoft Corporation	5/8/2013	42.5 MB	5.1.20125.0			
Microsoft Visual C++ 2008 Redistributable - x86 9.0.3	Microsoft Corporation	4/4/2012	596 KB	9.0.30729.4148			
Microsoft Visual C++ 2008 Redistributable - x86 9.0.3	Microsoft Corporation	5/8/2013	600 KB	9.0.30729.6161			
🕄 Skype Toolbars	Skype Technologies S.A.	5/20/2013	5.62 MB	5.0.4066			
😉 Skype™ Beta 5.0	Skype Technologies S.A.	5/20/2013	32.4 MB	5.0.105			
SoundMAX	Analog Devices	4/4/2012		5.10.01.7265			
🖤 Symantec Endpoint Protection	Symantec Corporation	5/8/2013	863 MB	12.1.2015.2015			
WinRAR archiver		4/4/2012					

Figure 13: Uninstalling Intellicus DEFA

Select **Intellicus DEFA <version>** and click the `Uninstall/Change' button.

The dialog box **Welcome** appears, as shown in the figure below. Select **Remove** and click **Next**. The **Confirm Uninstall** screen appears. Click **OK** to start uninstall process.



Tip: You can also start uninstall process by clicking Start > All Programs > Intellicus > IntellicusDEFA > Uninstall DEFA.



Intellicus DEFA 7	7.0.4 - InstallShield Wizard
Welcome Modify, repai	r, or remove the program.
Welcome to modify the cu	the Intellicus DEFA 7.0.4 Setup Maintenance program. This program lets you urrent installation. Click one of the options below.
C Modify	Select new program features to add or select currently installed features to remove.
F	Reinstall all program features installed by the previous setup.
Remove	Remove all installed features.
	< Back Next > Cancel

Figure 14: Modify, Repair, or Remove Program

E

Note: You can modify, remove or re-install DEFA.

Intellicus DEFA 7.0.4 - InstallShield Wizard	×
Do you want to completely remove the selected	application and all of its features?
	Yes No

Figure 15: Uninstall Confirmation

Click **Finish** upon completion of uninstall.



Registering DEFA

Once you have obtained the license for DEFA, you would be able to see the DEFA tab under Administration > Configure.

You can now register DEFA connection to connect to Intellicus Report Server.

Click the 🛃 button to add a new DEFA instance. Provide properties as described in the DEFA Properties table and click the **Save** button in order to save this DEFA instance.

Administration	n > Configu	re > DEFA									
Databases	Server	Client	Viewer	Adhoc Wizard	Portal Menu	Print Settin	ıgs L	icense C	Config Files	Mobile Device Policy	DEFA
Save Cano	el Cont	igure Co	nnections								
DEFA Instan	ces			+ ×	DEFA 33123 Pr	operties					
 33123 152_154 152_159 152_73 33_123 33_144 					E DEFA Heartt Metadata Refr	DEFA Name: Connection: Deat Interval: resh Interval:	33123 33_12 00:00:3 00:00:3	3 [30 30	(hr:min:sec)	
					Last Data Fo Last Data E Last Commu D DE	rwarded On: xtracted On: inication On: DEFA Status: EFA Version:	07/18/2 07/18/2 07/18/2 Active	013 15:31:3 013 15:51:1: 013 15:53:1 013 15:53:1 Stop Extr	4 5 6 racting Data	Stop Forwarding D	Data

Figure 16: Registering DEFA

DEFA Properties

Property	Values	Comments
DEFA Name	Type Yourself	Name of the DEFA instance
DEFA Connection	Select from list	Connection specifications to be used by DEFA to extract data.
		Select from already created connections upon clicking the Configure Connections button
Heartbeat Interval	Specify value in hr:min:sec format	Time interval upon which DEFA sends a status message of being alive to Report Server. Default: 00:00:30
Metadata Refresh Interval	Specify value in hr:min:sec format	Time interval to sync DEFA with data extraction query details from Report Server.



Working with DEFA

		Default: 00:02:00
Last Data Forwarded On	Auto- generated	Time of last data forward
Last Data Extracted On	Auto- generated	Time of last data extract
Last Communication On	Auto- generated	Time when DEFA last communicated with the Report Server
DEFA Status	Auto- generated (Active Inactive)	Active = DEFA is active when Heartbeat Interval + Last Communicated Time < Current Time at Report Server
DEFA Version	Auto- generated	Version of the installed DEFA

DEFA Action Items

Button	Actions
Stop Extracting Data	When metadata is refreshed, DEFA would stop extracting data upon getting this information
Stop Forwarding Data	When metadata is refreshed, DEFA would stop forwarding data to Report Server upon getting this information



Note: To know about DEFA step in Query Object, please refer WorkingwithQueryObjects.doc

