Galileo Desktop SSL Installation Guide





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1. Introduction to Galileo Desktop SSL

1.1 How does it work?

This solution allows Galileo customers to access Galileo via a SSL (Secured Socket Layer) connection using their own Internet connection. Customers are responsible for procuring their own dedicated Internet connection, which can be DSL, cable, T1, etc.

By deploying this solution, Galileo allows an agency to use the Galileo Host via their chosen Internet Service Provider.

Definition of Secured Socket Layer connection

SSL, short for *Secure Sockets Layer*, is a protocol for transmitting private documents/information via the internet. The Galileo SSL client will enable agents existing IP workstations and print servers to access Galileo over the public Internet via an encrypted, secured connection. The client install is transparent and does not require an agent to change any existing workstation configurations or agency workflow.

Once the SSL connection has been established, users will have direct access to the Galileo Host using the Galileo Desktop software.



After the installation, the Galileo SSL client will run as a Windows service and will set-up an SSL connection to gdssl.galileo.com or sslfpemea.galileo.com on port 443

The SSL connection is automatically started on system start-up and will provide Galileo access for all the Galileo used products.

1.2 Client Identifiers and GTIDs

Each Galileo Desktop Workstation will receive a unique combination of a **Client ID** (Client Identifier) and a GTID (Galileo Terminal Identifier).

This information will be provided by your Galileo representative in the form of a Galileo Desktop SSL configuration sheet.

A typical agency will have at least 1 DWS (Combined PrintServer and workstation) and an IWS (workstation) for each additional Galileo User.

The difference between a DWS and an IWS is the installation of the Galileo PrintManager software. Galileo PrintManager will provide host printing functionality to a travel agency.

During the installation of the Galileo software you will be requested to fill-in your ClientID details. An example of a ClientID is: **G0XK800H**.

A **GTID** (Galileo Terminal Identifier) is a hexadecimal number which is used to start a session on the Galileo Host. Each workstation, printer or MIR has its own GTID. The total number of GTIDs is determined during the provisioning stage. An example of a GTID is GTID is **C2FF10**.

1.3 Software and Hardware Requirements

Note: Please install Galileo Desktop under the supervision of someone with a working knowledge of your office hardware.

Hardware Requirements

Requirement	Minimum	Recommended
Processor	266Mhz Pentium	1 GHz
RAM	128MB	512MB

Temp hard drive space400MBPermanent disk space200MB Note: Additional space is required for Internet ExplorerResolution800x6001024x768 (16bit colour or higher colour is recommended).

Software Requirements

- Windows® 2000 (Service Pack 4), or Windows® XP (Home or Professional Edition), Windows® Vista.
- Microsoft® Internet Explorer 6.0 and above.
- Net 2.0 or above needs to be installed, if not present, the install will automatically download the software from Microsoft.
- Microsoft Installer 3.1 v2 (KB893803) if Windows 2000 or XP is being used
- MSXML 6.0 or above needs to be installed, if not present, the Galileo Desktop install will automatically install it for you.

Note:

- Installer must have Administrative rights
- Please install Galileo Desktop SSL under the supervision of someone with a working knowledge of your office hardware.

Citrix® Options:

This installation is fully compatible with most Citrix® application servers currently supported by Citrix and is available for Microsoft® Terminal Service users.

- NT 2000 Terminal Server
- NT 2000 Microsoft® Terminal Server with Citrix® MetaFrame XP 1.0&XPe 1.0 both Windows® client and NFuse Portal Server.
- Citrix Presentation Server 4.0 on Windows Server 2003.

The installation determines the Windows® platform as well as the version of MS Internet Explorer you are using. You may need to know the CD-ROM drive letter designation if you intend to access the applications from a CD-ROM drive that is shared.

1.4 Galileo Desktop SSL Product suite.

De Galileo Desktop SSL product suite contains the following programs:

CLIENT APPLICATIONS

- GalileoSSLClient_v01.00.0003.
- Galileo Desktop 2.0, or higher.
- EMEA Viewpoint Scripts. (Customized booking processes in script form)

HOST PRINTING APPLICATIONS

• Galileo Print Manager 4.00.01 (Galileo Host prints like Itineraries Mir and e-ticket supports documents.

DOCUMENTATION

- Galileo Desktop SSL Installation guide.
- Galileo Desktop Userguide.

The software and documentation can be either downloaded from a Galileo service portal in your region or it will be send to you on CD together with your Galileo SSL configuration details.

2. The Galileo SSL client installation

The Galileo SSL client will manage the SSL connection to the Galileo SSL server (sslfpemea.galileo.com). After de installation the Galileo SSL client will run as a Windows service.

To start the installation, please run the GalileoSSLClient_v01.00.0003.exe.

Make sure you are logged on as a local administrator and you have met all the necessary hardware and software requirements.

Start the Galileo SSL client installation by
running the GalileoSSLClient v01.00.0003.exe

🚰 Galileo SSL - InstallShield Wizard			×
Extracting Files The contents of this package are being ex	tracted.		×4
Please wait while the InstallShield Wizard e SSL on your computer. This may take a fer	xtracts the files r w moments.	needed to install	Galileo
Reading contents of package			
InstellShield			
	< Back	Next >	Cancel

You will receive the following dialog box if you do not have the correct Windows installer version on your system.

Windows 2000 or Windows XP at least needs to have Windows installer 3.1 v2 active on your system.

Please download the installer from Microsoft via the link below and restart the Galileo SSL client installation.



http://www.microsoft.com/downloads/details.aspx?FamilyID=889482FC-5F56-4A38-B838-DE776FD4138C&displaylang=en

The installation will continue ones it detects the correct Windows installer.

Next the installation will check your Microsoft dotnet version.

Dotnet 2.0 or above needs to be installed, if not present, the Galileo SSL installation will automatically download and install it on your system.



Please install the dotnetfx update by clicking on Run		dotnetfx Module - Security Warning Do you want to run this software? Image: Name: dotnetfx.exe Publisher: Microsoft Corp Image: More gptions While files from the Internet of your computer. Only run soft	
Please click Next in the Welcome t	o Microsoft.Net dialog box	器 Microsoft .NET Framework 2.0 Setup Welcome to Microsoft .NET Framewor Setup	rk 2.0
Accept the terms of the License ag to continue the dotnetfx installation	reement and click on Install update.	This wizard will guide you through the instal	llation process.
	Microsoft .NET Framework 2.0 Setup End-User License Agreement		
	End-User License Agreement MICROSOFT SOFTWARE SUPPLEMENTAL LICENSE TERMS MICROSOFT .NET FRAMEWORK 2.0 Microsoft Corporation (or based on where you live, one of its supplement to you. If you are license for use Microsoft Windo software (the "software"), you may use this supplement. You not have a license for the software. You may use a copy of the validy licensed copy of the software. By clicking "I accept the terms of the License Agreement" and p product, I indicate that I have read, understood, and agreed to License Agreement. Image: I accept the terms of the License Agreement Agreement. Image: I accept the terms of the License Agreement	ffiliates) licenses this ws operating system may not use it if you do is supplement with each Print roceeding to use the the terms of the End-User	Next > Cancel

The dotnetfx update is successfully installed on your system. Click on **Finish** to continue with the Galileo SSL client installation

🖟 Microsoft .NET Framework 2.0 Setup	_ 🗆 🗙
Setup Complete	
Microsoft .NET Framework 2.0 has been successfully installed.	
It is highly recommended that you download and install the latest service packs and security updates for this product.	
For more information, visit the following Web site:	
Product Support Center	
Ein	sh

After the dotnetfx update the installer automatically continues with the installation of the Galileo SSL client. Click Next to continue	Galileo SSL - InstallShield Wizard Welcome to the InstallShield Wizard for Galileo SSL StL The InstallShield Wizard will install Galileo SSL on your computer. To continue, click Next.
The Terms and Conditions window appears. Please acknowledge the terms and Conditions and click Next to continue	Galileo SSL - InstallShield Wizard Please read the following Site Terms and Conditions Galieo International, Inc. and one or more of its affiliates (collectively, "Galileo") owns the software product known as "Galileo SSL to subscribers to the Galileo GSS system (Rhom as "Galileo subscribers"). Use of and/or access to Galileo SSL by Galileo SSL by System (Rhom as "Galileo SSL by Software and the Galileo GSS by System (Rhom as "Galileo subscribers"). Use of and/or access to Galileo SSL by Galileo subscribers is usiget to the terms of the subscriber agreement Howeven the relevant Galileo antity and the Galileo SSL by any person is strictly prohibited and may result in civil and criminal penalities in accordance with applicable law. A Galileo subscriber will be unable to access or use Galileo SSL unless it first agrees to these Terms and Conditions. acknowledge that I have read and agree to the Terms and Conditions. I do not accept the Terms and Conditions. Again Agree Age Next> Cancel
The Galileo SSL client is successfully installed on your system. Click Finish to end the	Galileo 55L - InstallShield Wizard InstallShield Wizard Complete Setup has finished installing Galileo SSL on your computer.
If you want to check if the Galileo SSL tunnel is active on your system, please go to Control panel (Classic View) and click on Administrative Tools and then on Services. Check if the highlighted service below is started.	<pre>< Back Finish Cencel</pre>
Computer Management Computer Management Action View Window Help Computer Provided	

The SSL service will automatically start on system start-up, so it is not necessary to start is manually. **Please continue with the installation of Galileo Desktop.**

Extended / Standard /

▼ ▼

3. The Galileo Desktop Installation.

If you already have an older version of Focalpoint or Galileo Desktop installed than please make sure You perform the following Primary checks

Please skip this section if you do not have an older version of Focalpoint or Galileo Desktop installed on your system. Go directly to section 3.2 Installing Galileo Desktop

3.1 Primary checks.

Before the installation begins, the following primary system checks are made. If your operating system fails to meet any one of these checks, the installation will abort.

- Do you require/have administrative privileges?
- Is the resolution set to at least 1024x768?
- Is the colour depth at least 256 colours?
- Is there sufficient disk space?
- Is the operating system Windows® 2000 SP4 or higher?
- Microsoft® Internet Explorer 6.0 or higher present on your desktop? If not, you will be prompted to upgrade.

Before you begin

- If you are running Focalpoint® 3.2, or Focalpoint® 3.0.18A, remove the icon from your desktop (right-click the icon and select Delete).
- Make a note of your Client ID and IP configuration settings. Go to the Control Panel/Galileo TCP/IP settings for this information.
- Disable any anti-virus software you may have running. Antivirus software may prevent registries from being updated.

Pre-installation requirements

At the beginning of the installation, you will encounter the Setup dialog. You must click Yes before you can proceed with the installation. The following tables will help you find the files you want to backup. When the installation is complete, you are reminded to reinstate these files.

Note: If you are not familiar with how to back up files, please check with your manager/IT manager. File locations for each question are listed the following page. Have you backed up your data files?



File Type	If you are installing over Focalpoint® 3.5	If you are installing over Galileo Desktop
Replay Files	\FP\REPLAY*.*	\FP\REPLAY*.*
Scriptwriter Plus Files	\FP\DATADIR\SWPLUS\SCRIPTS*.*	\FP\DATADIR\SWPLUS\SCRIPTS*.*
Browser Script Files	\FP\DATADIR\SCRIPTS*.*	\FP\DATADIR\SCRIPTS*.*

Have you saved your preferences and settings?

File Type	If you are installing over Focalpoint® 3.5	If you are installing over Galileo Desktop
Focalpoint Config File		\FP\DATADIR\WSTN\focalpoint.config.xml \FP\DATADIR\USER\users\focalpoint.config.xml
Scriptwriter run	\FP\DATADIR\WSTN\GRP*.SWR	

Have you backed up your Pkeys?

File Type	If you are installing over Focalpoint® 3.5	If you are installing over Galileo Desktop
Apollo® Keys	\FP\DATADIR\PKEYS*.ALC	
Galileo® Keys	\FP\DATADIR\PKEYS*.CPR	
Galileo Desktop		\FP\DATADIR\PKEYS*.PKEYS.XML

Have you backed up any Viewpoint Customization?

File Type	If you are installing over Focalpoint® 3.5	If you are installing over Galileo Desktop ^{s™}
		I have modified non Version Controlled files, what steps do I need to take? (ie I have added a right click menu into the pnr.html file which launches one of my files). Take a copy of the code that has been added to the file and after the installation, this code can be added back into the appropriate file within Galileo Desktop SM . The Galileo Desktop file structure has changed so it is important to ensure that the correct file is being edited.

Have you backed up your script library?

File Type	If you are installing over Focalpoint® 3.5	If you are installing over Galileo Desktop
Galileo Java Script Library		\FP\SWDIR\CustomViewpointGalileo\CustomViewpoi ntGalileo
Java Script Library Val Files		\FP\SWDIR\CustomViewpointGalileo\CustomViewpoi ntGalileo\gdia_ValFiles

Please insure all applicable pre-installation tasks are completed:

Setup

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3.2 Installing Galileo Desktop.

Start the Galileo Desktop installation by running the **Galileo Desktop 2.1.exe**

The Setup dialog box appears. Confirm that all of the applicable items are backed up; click **Yes** to

uninstall your current version of Galileo Desktop. For additional information on these pre-installation tasks, see the section titled: Pre-installation Requirements.

InstallShield prepares the install. A progress box may appear

Galileo Desktop 2.1 requires MSXML 6.0 to operate correctly. MSXML 6.0 Update (Required if not loaded) The install will check to ensure it is installed. If it is not present on your workstation, the Galileo Desktop installation will begin to install MSXML 6.0 first. The following screens appear.

Click **OK** to begin the installation.

The MSXML 6.0 parser Setup dialog box appears Click **Next** to start the installation.

Click I accept the terms in the license agreement button. Click **Next** to continue



< Back Next > Cancel

Enter your Name and Company Name and click Next.

 INSXML 6.0 Parser Setup

 Registration Information

 The following information will personalize your installation.

 Enter your name and the name of your organization in the fields below.

 Name:

 Name

 Company:

 [Galleo International

 If MSXML 6.0 Parser Setup

 Ready to Install the Program

 Setup is ready to begin installation.

 Click Install to begin the installation.

 If you want to review or change any of your installation settings, click Back. Click Cancel to exit Setup.



< Back Install Cancel

The Ready to install the program dialog box appears Click **Install**. To continue

Click **Finish**. The MSXML update is now installed. The Galileo Desktop installation will continue automatically.

The Welcome to the Install shield wizard for Galileo Desktop dialog box appears. Click Next to continue.	InstallShield Wizard Xelcome to the InstallShield Wizard for Galileo Desktop on Desktop on your computer. To continue, click Next.
The License agreement dialog box appears Click Yes to continue.	InstallShield Wizard X License Agreement Please read the following license agreement carefully.
	These letters are student to us a back to full the interval of the are student of the area of the
	Galileo Desktop - InstallShield Wizard
The Set-up type dialog box appears.	Choose the setup type that best suits your needs. How would you like Galileo Desktop to start up?
Choose which Galileo Desktop mode you want to start-up with and click Next to continue	C Itinerary (Viewpoint) visible at startup. C Terminal windows (Focalpoint) visible at startup.
	InstaliShield
	Galileo Desktop - InstallShield Wizard X Setup Type Choose the setup type that best suits your needs. Do you want to start Galileo Desktop automatically on bool-up?
Choose if you want Galileo Desktop to start automatically on boot-up and click Next to continue.	 Start Galileo Desktop automatically. C Do not start Galileo Desktop automatically.
	InstallShieldCancel

Please select the desired language. Use the ctrl key to select multiple languages Click **Next** to continue

The Default directory overview dialog box appears. Click **Next** to continue

nstallShield W	izard				
Setup has loc. Desktop. If th settings, highli	ated the default direc ese settings are corre ght the path and clici	tory settings in your sys :ct, click Next to begin < Edit.	tem that are re copying files.	equired to instal To change an	ll Galileo y of these
Program Dire Local DB Dir Fare Basis T Custom Refe Hotel Notes Maps CD-R0 Custom View Focalpoint® 5 Platform Inde Focalpoint®	clony: C:\fylswdir\ ectory: C:\fylswdir\ able (FBT) Directory: erence Points (CRP) [Directory: C:\fylswd M Location: D:\ point Location: C:\fyl i.10: ependent Series Data Directory: C:\fy Machine Directory: C:\fy	C: VIp/datadir/VIE/WP Virectory : C: VIp/swdir/ ir/ o/swdir/Custom/Vie/wpc o/datadir/ C: VIp/machine/	T\ sint\		
stallShield —					

The connection dialog box appears. Please fill in the following settings

- Galileo assigned **Client Identifier** you can find this information on your Galileo configuration sheet.
- Use Apollo/Galileo Mapped Keyboard mode.
- Use Fixed configuration server addresses Primary and secondary are both **127.0.0.1**
- Check the **force download** box

Click **Ok** and again OK to save these settings and continue

fpcpl2app	
⚠	Verifying Keyboard Mode all connections ID GXXXXXX
	<u>(())</u>

You have now created your Galileo connection profile. Please click **Ok** to continue with the installation.

InstallShield Wizard	×
Please select the desired languages to install for Galileo Desktop (including email).	Please select the default language for Galileo Desktop.
Chinese(Simple) Chinese(Traditional)	
English	
French(Canadian)	
German	
Lareek Hungarian	
Italian	
Japanese	
	<back next=""> Cancel</back>

Connection	×
Connection Name	
MyConnection	
Client Identifier	
GXXXXXX	
Keyboard Mode	
Apollo / Galileo Mapped	
Use Eixed Configuration Ser	ver Addresses
Primary IPC5 Add <u>r</u> ess	127 . 0 . 0 . 1
Secondary IPCS Address	127 . 0 . 0 . 1
C Use Domain Name Services ((DNS)
Config Server Name	
IP Concentrator Name	
Force Download	
ОК	Cancel



Galileo Desktop SSL



The **InstallShield Wizard Complete** dialog box appears.

Click Finish, the Galileo Desktop software is now successfully installed on your system.

3.3 Starting Galileo Desktop for the first time.

Double click on the Galileo Desktop icon on your desktop to start Galileo Desktop.

The Galileo Desktop Logon screen appears; click on the **Start Galileo Desktop** button. You can also start Galileo Desktop via **START→PROGRAMS→ Galileo Desktop → Galileo Desktop.**

As this is the first time Galileo Desktop is started on this system, it will automatically downloads it's configuration from the Galileo Host. Enter your Galileo Desktop **Sign On (son/zXXX)** in one of the four Galileo windows.

You will receive a **sign on complete** from the Galileo Host. You are now connected and signed on to the Galileo host.

3.4 Reconfigure Galileo Desktop after the installation.

Use the following steps if you want to reconfigure Galileo Desktop on your system.

- 1. Close Galileo Desktop.
- 2. Go to Start \rightarrow Settings \rightarrow Control Panel
- 3. Dubbel click the Galileo TCP/IP icon.
- The Host/Galileo Desktop TCP/IP configuration dialog box appears.4. Highlight your current connection and click **Edit** to open the selected connection.
- The connection Dialog box appears Change the ClientID, check the Force Download box and click Ok to save the new settings.

ly Traveport
GALILEO DESKTOP
Incorporating Viewpoint [™] and Focalpoint®
Type your user 10 and press enter.
Start Galleo DesktopCancel

	Connection Name	Client ID	
•	Myconnection	GOA	
			1
	bl mark	Conv	Delete
Edit	<u>N</u> ew	20p7.	

onnection							>
Connection Name							
MyConnection							
Client Identifier							
GXXXXXX							
Keyboard Mode							
C Standard <u>W</u> indows							
• Apollo / Galileo Mapped							
Use Eixed Configuration Service	ver Ado	ires	ses				
Primary IPCS Address	127		0		0		1
Secondary IPCS Address	127	•	0		0		1
C Use Domain Name Services (DNS)						
Config Server Name		_	_	_	_	_	
IP <u>C</u> oncentrator Name		_	_		_		
Force Download				Can	icel	1	

- Host/Galileo Desktop TCP/IP Configuration
 Connections
 Default Connection Name Client ID
 MyConnection GOA
 Edit... New... Copy... Delete
 OK
 About
- 6. Click **Ok** to exit the he Host/Galileo Desktop TCP/IP configuration dialog box.

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3.5 Custom Viewpoints Scripts

The Custom Viewpoint scripts installation will provide you with a number of ready to use scripts to automate a number of workflow functions within Galileo Desktop.

Once installed, the Custom Viewpoint scripts are accessed through Custom Viewpoint[™]. Make sure that in the terminal windows screen under options you have activated; View Custom Viewpoint

The Custom Viewpoint scripts are designed for customers who are using version Galileo Desktop versions 1.01, 2.0 and 2.1 You can run the Galileo Desktop Custom Viewpoint scripts and Scriptwriter

Plus[™] scripts in conjunction with each other.

If you want to use the Custom Viewpoint Scripts please install the EMEA_Script_2.0.exe software using the following installation procedure. CustomViewpoint Scripts Setu

1. 2. 3.	Close Galileo Desktop Start the EMEA_Script_2.0.exe The CustomViewpoint Scripts 2.0 Set-up click Next to continue.	o dialog box	x appears,	2 Seture	CustonViewpoint Scr Welcome to the installer I This suite of scripts is cor Viewpoint 3.0 Galleo Desktop 1.01 Galleo Desktop 2.02	ipts 2.0 Setup for CustomViewpoint Scripts 2.0. mpatible with:-
			Setup Type			with this installation.
			Select the type of	setup to install		ams running, please click ;, and run this setup again.
						ntinue.
4.	The Set-up type dialog box appears. Ch	oose	Setup type options			
	custom only if you have changed the de	fault	Standard	Program installs in default location		Next > Cancel
	Galileo Desktop installation directories.					
	Choose standard if you have made no o	hanges	C Custom	You may choose the location for installatio	n .	
	to the default Galileo Desktop installation	ו				
	directories.	wpoint Scripts Setup				
	Click Next to start the Custom	In In	stallShield Wizard Comple	ste		
	viewpoint Scripts installation.	Se Se	etun has finished installing Cust	omViewpoint Scripts 2.0 on	Next > Cancel	
		уо	ur computer.			
5	The InstallShield Wizard					
0.	Complete dialog box appears.					
	Click Finish , to end the					
	installation.					
			< Back	Finish Cancel		

The Custom Viewpoints Scripts software is now successfully installed on your system



4. Galileo Print Manager Installation (GPM)

Galileo Print Manager (GPM) is used to print booking related content like Itineraries, agency coupons and backoffice information (MIR).

If you only want to print Galileo related content, than you only need to install the GPM software. If you want to print 3rd party rail document besides the Galileo related content, than you need to Contact your Galileo representative and ask for the Galileo Desktop SSL_Rail version which is compatible with 3rd party printing services.

The GPM software receives print messages from the Galileo host and it will relay these messages to the locally configured printer ports, network printers or file shares. All hardcopy printers have to be configured in Windows first before GPM is able to use them.

 Run the GPM4.0.exe to start the Galileo Print Manager installation. The GPM setup dialog box appears. Click Next to continue.

2. The Setup Type dialog box appears Choose typical ATB and click Next to continue

3. The Enter Client ID dialog box appears. Enter your GPM ClientID in capitals and Click Next to continue. The Client ID information can be found on your Configuration sheet provided by Galileo.



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Please specify your options for Galileo Print Manage

Galileo Print Manager Selec

- the start-up menu option and click Next to continue. Add Galileo Print Manager to the startup menu. Launch Galileo Print Manager after the installation. <<u>B</u>ack <u>N</u>ext> Cancel Start Copying Files Setup has enough information to start copying the program files. If you want to review or change any settings, click Back. If you are satisfied with the settings, click Next to begin copying files. 5. The Start Copying Files dialog box appears. Click Next to continue. The Setup will now start installing all the Current Settings: necessary files. The Setup will install the GPM software in Product: Galileo Print Manager C:\PROGRAM FILES\FOCALPOINT\DPS\. Jser Information: C054532 The GPM configuration information will be stored in C:\MY DOCUMENTS\FOCALPOINT PM\. Client ID: G0xxxxxx Setup Type: <<u>B</u>ack <u>N</u>ext > Cancel Enter Galileo Print Manager Configurati Client Identifier G0XK800G 6. The Enter GPM configuration dialog box appears. Use Eixed Configuration Server Addresses Configuration Server Addresses must be of the form n.n.n.n, and must consist of numbers, 0 through 9. (e.g. 57.8.81.13). Primary Server: 127.0.0.1 127.0.0.1 = 127.0.0.1 Secondary Server: OUse Domain Name Services (DNS)
- Mark Use Fixed Configuration Server Addresses and fill in the addresses below Primary Server Secondary Server = 127.0.0.1 Click OK to continue

4. The GPM Selections dialog box appears. Check the Add GPM to

7. The Setup Complete dialog box appears Choose No I will restart my computer later and click Finish to end the installation.



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The GPM software is now successfully installed on your system. Please continue with the configuration of Galileo Print Manager

4.1 Galileo Print Manger configuration

The Galileo PrintManager (GPM) software is now installed and the GPM will start automatically on start-up. Because this is the first time GPM is started it needs to receive a configuration download from the host. Ones it has received its configuration download you can continuing with the configurations of printers in the GPM. Go to **START** \rightarrow **PROGRAMS** \rightarrow **Galileo Print Manager** \rightarrow **Print Manager**

To start the Galileo Print Manager software

The Galileo Print Manager dialog box appears.

In the GPM dialog box go to:

Tools \rightarrow Connect On Start-up. This will make sure that GPM automatically connects to the Galileo host on system start-up

In the GPM dialog box go to:

Tools→Auto-configure. Click on Auto-configure and GPM will request a configuration download from the Galileo Host. If this configuration download is successful, a check will appear in the Auto-configured box.

You can check if you have received a configuration download by clicking on the GTID tab.

When you received a configuration download from the Galileo Host you will find here a list of printer GTIDs which are assigned to you.

The GPM has received its configuration and it needs to be saved. The easiest way to save the new configuration is to close GPM. Click in the GPM dialog box on **File→Exit** The GPM **Save changes to Host** dialog box appears. Click **YES** and the GPM configuration will be saved.

The GPM is now installed and it has received a configuration download. If you start your PC in the morning, GPM will automatically run at start-up. You need GPM to be operational if you want to print Itineraries or Tickets. Please continue with the local printer configuration for GPM.

📆 Galileo Print Manager	
<u>File V</u> iew <u>T</u> ools <u>H</u> elp	
Status Configuration Server IP	Cs GTIDs
Local Address:	10.220.20.67
Valid server configuration	
Auto-configured	
Connected to Host	
IPC Address:	57.8.81.11
<u>R</u> egistered with Host	
Registered	LSTN CONN REGD

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4.1 Installation of printers under GPM

Make sure Galileo Print Manager is closed Go to START \rightarrow PROGRAMS \rightarrow Galileo Print Manager \rightarrow Configurations

The exploring Galileo Print Manager dialog box appears. In the dialog box you will find a number of icons. The second icon is the default ATB device and the third icon is your default Itinerary printer. Go to: **View** \rightarrow **Toolbar, View** \rightarrow **details** to see the device numbers

Each printer has a device number, which corresponds with the device

number found in the Galileo Print Manager GTIDs dialog box. This way it is easy to distinguish which device number belongs to what printer type.

In the next several pages we will show you how to configure your printers. After the installation of the printers it is recommended to restart your PC.

4.1.1 The installation of the first Itinerary printer

It is necessary to have your agency printers configured on your Windows system, if you want to be able to send a Galileo host print to one of your local printers.

Make sure that Galileo Print Manager is not active at this moment. Go to: Start \rightarrow Programs \rightarrow Focalpoint GPM \rightarrow Configurations.

The installation of GPM has automatically generated a '**Default ATB**' and a '**Default Itinerary**' device. **Please delete both devices.**

If you want to install an Itinerary printer, Go to: File \rightarrow New \rightarrow Device This will start a printer installation wizard.

Choose a device number that is available but not in use. Fill in a device name of your choice. This name will be visible later in the configuration dialog box.

Choose the correct Printer Type and click Next.

ws system, if you want to
to: Start → Programs → Focalpoint
and a ' Default Itinerary ' device.
ileo Print Manager Installation Wizard - Device Selection

Galileo Print Mai	nager Installation Wizard - Device Selection
?	This wizard will help you install a host printer quickly and easily. Device Number 3 Select a unique device number for the printer. Device Name Extra Itinerary Printer You can type a name for this device, or you can let Gailleo Print Manager generate a name for you. Printer Iype Itinerary or other Printer T Select the Device Driver for the type of printer to be configured.
	< <u>₿</u> ack <u>N</u> ext > Cancel

🚟 Exploring - Galileo Print Ma	nager	_ 🗆 ×
<u>File Edit View Favorites</u>	<u>T</u> ools <u>H</u> elp	
Address 🤷 C:\My Documents\Fo	ocalpoint PM\DPS Configura	tion.dps 🔄 🔁 Go
Name	Device Number	
Print Manager	N/A	
🗊 Default ATB	1	
Default Itinerary	2	

The available Printers dialog box appears. You will find all the printers configured under Windows listed here. Make a choice which printer you want to use as an Itinerary printer by highlighting this printer.

Remove the check from the use the default printer box and click on **Next** to continue.



ocalpoint Print Manager Installation Wizard - Spooled Device 🛛 🛛

You can enter details about this new device in the boxes below.
Location
 <⊻orige Volgende> Annuleren



In this dialog box you are asked if you would like to print a test print.

This is only a local test print and it indicates that the workstation is able to print to the specified printer. Make your choice and click **Finish** to end the printer installation wizard.

In this dialog box you may enter additional information

This is not necessary; you may leave this blank if you wish.

concerning this printer.

Click Next to continue.

Continue the above mentioned steps for every additional Itinerary you would like to configure

4.1.2 The installation of a MIR device

A Machineable Interface Record (MIR) contains booking information, which can be used in Back-office systems.

A MIR can be received in two different ways:

- To a directory on the hard disk or network share. The MIR is configured on the GPM as Mir to disk.
- To a serial port. The MIR is configured on the GPM as MIR to port.

Each MIR receives a unique filename and this makes it possible for the back-office system to read the information in this file and keep track of which file is already processed by the back-office system.

Mir to disk

Follow the same steps as if you would install a printer.

Choose a directory where you would like the Mir files to be sent to. Click **Next** and add some comments if necessary to clearly outline the purpose of this device.

Click Next to end the installation of Mir to disk

The **MIR to disk** device is now added to the Focalpoint Print Manager Configuration file. Start GPM (**Start** \rightarrow **Programs** \rightarrow **Galileo Print Manager** \rightarrow **Print Manager**).

Mir to port

Follow the same steps as if you would install a printer.

Click on the **'Port' tab** and choose the serial port where the back-office system is connected. Click on **Configure Port** and set the port settings to reflect settings given by your back-office system supplier. If you do not know the port settings for your back-office system, use the standard setting given below.

Bits per second:		1200
Data bits:		8
Parity:	None	
Stop bits:		1
Flow control		None

Click on the Advanced button (Settings button when using Windows NT).

Set FIFO buffers off (remove check) and click OK.

Again click on $OK \rightarrow OK$ to close installation screen.

The new port settings are active immediately. The **MIR to port** device is now added to the Galileo Print Manager Configuration file.

Start GPM (Start \rightarrow Programs \rightarrow Galileo Print Manager \rightarrow Print Manager).

4.1.3 MIR file Example

If you print a MIR it looks like this:

T51G773392007240095409JAN981159 000	15MAR98E56A21E56A3F		
XF6 XF6888888881 3VP7MP N99999NXTAG09JA	AN9800009JAN98011		
00000000000 NLG0000000 0000000 0000000	0000000 0000000 0000000		
N NNNON NAYA NNNX NL			
000000010000200000000000000000100000000	0000		
A02TESTIGNORE/XMR 8 00			
A0401KL074KLM ROYAL DU 119J AK15MAR1140 120	05 2AMSAMSTERDAM LHRLONDON/HEATHR	N 00 737	F AC:KLM CITYHOPPTK:NJT:01.25
A0402KL074KLM ROYAL DU 120J AK27MAR1300 15	10 2LHRLONDON/HEATHRAMSAMSTERDAM	INO O0 735	F AC:KLM CITYHOPPTK:NJT:01.10
A12AMST *GALILEO TEST 020-6487511			

In hexadecimal form a MIR looks like this:

00000000: 54 35 31 47 37 37 33 33 - 39 32 30 30 37 32 34 30 T51G773392007240	
00000010: 30 39 35 34 30 39 4A 41 - 4E 39 38 31 31 35 39 20 095409JAN981159	
0000020: 20 20 30 30 30 20 20 20 20 20 20 20 20 20 20 20 20 000	
00000030: 20 20 20 20 20 20 20 20 20 20 20 20 20	
00000040: 41 52 39 38 45 35 36 41 - 32 31 45 35 36 41 33 46 AR98E56A21E56A3F	
00000050: 0D 20 58 46 36 20 58 46 - 36 38 38 38 38 38 38 38 XF6 XF68888888	
00000060: 31 20 33 56 50 37 4D 50 - 20 20 20 20 20 20 20 20 20 1 3VP7MP	
00000070: 20 4E 39 39 39 39 39 39 4E - 58 54 41 47 30 39 4A 41 N99999NXTAG09JA	
00000080: 4E 39 38 30 30 30 30 39 - 4A 41 4E 39 38 30 31 31 N9800009JAN98011	
00000090: 0D 20 20 20 30 30 30 30 - 30 30 30 30 30 30 30 30 30 30 30 000000	
000000A0: 20 4E 4C 47 30 30 30 30 - 30 30 30 30 20 20 30 30 NLG00000000 00	
000000F0: 20 0D 4E 20 4E 4E 4E 30 - 4E 20 4E 41 59 41 20 4E N NNNON NAYA N	
0000100: 44 45 58 20 20 20 44 4C - 20 20 20 20 20 20 20 20 NNX NL	
00000150: 30 30 30 30 30 30 00 DD - 41 30 32 34 45 53 34 49 000000 A021ESTI	
00000100. 41 4E 4F 52 45 2F 56 4D - 52 20 20 20 20 20 20 20 20 GNORE/ANR 00000170- 20 20 20 20 20 20 20 20 20 20 20 20 20	
000001D0: 31 31 39 4A 20 41 4B 31 - 35 4D 41 52 31 31 43 30 1191 KK15MAR1140	
00000100: 20 31 32 30 35 01 20 41 40 53 41 40 53 54 45 52 1205 24MSAMSTER	
00000160: 44 14 D 20 20 20 20 47 - 48 52 4C 45 45 45 45 45 A D AN HEI ONDON	
000001E0: 2E 48 45 41 54 48 52 49 - 4E 20 20 20 20 4E 30 20 /HEATHRIN O0	
00002200 20 20 37 33 37 20 20 20 20 20 20 20 20 20 20 46 20 737 F	
00000210: 41 43 3A 4B 4C 4D 20 43 - 49 54 59 48 4F 50 50 54 AC:KLM CITYHOPPT	
00000220: 4B 3A 4E 4A 54 3A 30 31 - 2E 32 35 0D 41 30 34 30 K:NJT:01.25 A040	
00000230: 32 4B 4C 30 37 34 4B 4C - 4D 20 52 4F 59 41 4C 20 2KL074KLM ROYAL	
00000240: 44 55 20 31 32 30 4A 20 - 41 4B 32 37 4D 41 52 31 DU 120J AK27MAR1	
00000250: 33 30 30 20 31 35 31 30 - 20 32 4C 48 52 4C 4F 4E 300 1510 2LHRLON	
0000260: 44 4F 4E 2F 48 45 41 54 - 48 52 41 4D 53 41 4D 53 DON/HEATHRAMSAMS	
00000270: 54 45 52 44 41 4D 20 20 - 20 20 49 4E 4F 20 20 20 TERDAM INO	
00000280: 4F 30 20 20 20 37 33 35 - 20 20 20 20 20 20 20 20 20 735	
00000290: 20 46 20 41 43 3A 4B 4C - 4D 20 43 49 54 59 48 4F F AC:KLM CITYHO	
000002A0: 50 50 54 4B 3A 4E 4A 54 - 3A 30 31 2E 31 30 0D 0D PPTK:NJT:01.10	
000002B0: 41 31 32 41 4D 53 54 20 - 2A 47 41 4C 49 4C 45 4F A12AMST *GALILEO	
000002C0: 20 54 45 53 54 20 30 32 - 30 2D 36 34 38 37 35 31 TEST 020-648751	
000002D0: 31 0D 0D 0C - 1	

4.2 The Configuration of Printers on the Galileo Host

The Galileo system offers you the possibility to determine per workstation which type of printer you want to be linked to. This can be a Ticket printer, an Itinerary printer or a Mir Device. This section explains how a workstation is linked to the different types of printers.

With the **HMLD** (How is My Line Doing) entry you can check which workstation is linked to what printer. If no printer is linked to this workstation, you will only see the workstation GTID and no Printer GTIDs.



The first line shows what type of device it is. The second line shows which GTID this device has.

'ST' determents the status of this printer: This can be **UP (U), BUSY (B) or DOWN (D)**.

'FM' determents the paper format of this printer: This can be **itinerary (I), ticket (T) or blank (B)**.

When a printer is not linked to a workstation and you want to link your workstation to this printer, type the following entry:

Commando: Usage:		HMLM (Help HMLMgtidD*	Me Link Machii	ne)	
Explanation:	* =	I = Itinerary A = MIR X = Blank			
Example: Response:		HMLMC5803EDI (Linkage of a Itinerary printer) CRT ITN DEV ST FM/ C58021C5803DD D (Terminel) (OTID printer) (Status)			
		(Terminal)	(GTID printe	r) (Statı	us)

The paper format (FM) has to be assigned to the printer. For a Mir device this option is not necessary.

Commando: Usage:		HMOM (Help HMOMgtid-**	Me Operate Mac	hine)
Explanation:	***=	ITN = Itinerar	'V	
·		BLK = Blank	(for "printability"	" printers)
Example:		HMOMC5803	D-ITN	
Response:		CRT	ITN DEV	ST FM/
·		C58021 C580	3DD D	I
		(Terminal)	(GTID printer)	(Status) (Paper format)

It could be necessary to change the printer status, type the following entry:

Commando: Usage: Explanation:	*=	HMOM (Help M HMOMGTID-* U = Up D = Down	le Operate Mac	hine)	
Example: Response:		HMOMC5803D CRT C58021 C5803I (Terminal)	-U ITN DEV DD U (GTID printer)	ST I (Status	FM/) (Paper format)

If you want to delink a printer, type the following entry:

Delink:		HMLM/DELINK/*
Usage:		HMLM/DELINK/* or HMLM/DELINK
Explanation:	*=	I = Itinerary printer
		A = Mir Device
		HMLM/DELINK all printers are delinked

5. Troubleshooting

5.1 Password (Thumbprint) Resets

If a Galileo Desktop SSL CLIENT ID is to be moved to a different machine, then a password (Thumbprint) reset is normally required. Please contact your local Galileo representative and request a reset of that particular ClientID

5.2 Galileo Desktop SSL Connection problems

If you receive no response from the Galileo host than there could be a problem with the SSL connection to the Galileo SSL endpoints called:

gdssl.galileo.com (12.17.227.30) or sslfpemea.galileo.com (194.24.254.186)

1. Check if the Galileo SSL service is started. Go to **Control papel** \rightarrow **Administrative tools** \rightarrow **Services**

🍇 Services					
<u>F</u> ile <u>A</u> ction <u>V</u> iew <u>H</u> elp					
Servi 🍇 Services (Local)					
Galileo SSL Tunnel	Name 🛆	Description	Status	Startup Type	Log On As 🔺
	🔺 🆏 Event Log	Enables event log messages issued by Win	Started	Automatic	Local System 🔤
Stop the service	📕 🍓 Fast User Switching C	Provides management for applications that r		Manual	Local System
Hestart the service	🔜 🎭 Galileo SSL Tunnel	Galileo SSL Client Service 01.00.0003.00	Started	Automatic	Local System
	🚽 🎇 Google Updater Service			Manual	Local System 🚽
	68. c				
J					

Check "Galileo SSL Tunnel" is running, If it is not, start it and try the connection again. IF it is running STOP it and restart the SSL connection.

NOTE: if you go to properties you check the installed version. Make sure it is "Galileo SSL Client Service 01.00.0003.00" or higher

- Test your own internet connection, DNS servers by pinging gdssl.galileo.com.
 Go to start Run, type CMD and click on OK. Type C:\ping gdssl.galileo.com check first that it resolves the name and returns an IP address (12.17.227.30) if not your issue is with DNS. Does the ping reach its destination? If not it's a routing or firewall issue ASSUMING ICMP is open. Try pinging google.com.
- Test your firewall by Checking if port 443 (SSL) is available in your network Go to start – Run, type CMD and click on OK Type C:\telnet gdssl.galileo.com 443 and press enter. If you receive a blank screen and the cursor is flashing at the top left of screen, hit Ctrl-C on your keyboard a few dozen times to break the connection This means Port 443 is open and SSL is possible in your network

4. If you use a firewall please allow TCP traffic on port 443 to the following destination addresses

Location	DNS	VIP
Denver	gdssl.galileo.com	12.17.227.30 194.24.254.201 216.113.159.225
Langley	sslfpemea.galileo.com	12.17.227.146 194.24.254.204 216.113.159.227
Atlanta	gdssl-atl.galileo.com	12.17.227.145 194.24.254.193 216.113.159.226
	gdsslpp-atl.galileo.com	216.113.131.33

 5. Next turn on the Logging in the SSL client. Go to C:\Program Files\Galileo\SSL and open SSLClientService.exe.config in notepad. Go to </switches> and Change value = "Warning" to value ="ALL" for <add name="sourceSwitch" value="warning"/>

Also go to <appsettings> and change value = "Warning" to value ="ALL" for <add key="Trace Level Override" value="Warning" />

Save the file Delete the existing Log (c:\SSLClientService.log) and Restart the SSL service.

Check the log file. You will see the service start and all the ports that are listening e.g. SSLClient Information: 114 : Galileo SSL Tunnel Client Service is starting ProcessId=760 DateTime=2008-05-15T09:39:23.5564450Z

SSLClient Information: 115 : Starting IPC traffic handler on port 2748 ProcessId=760 DateTime=2008-05-15T09:39:23.5691395Z

You will also see connection errors , such as:

SSLClient Error: 304 : ServerConnection.Connect() - SocketException thrown: A connection attempt failed because the connected party did not properly respond after a period of time, or established connection failed because connected host has failed to respond 12.17.227.30:443 ProcessId=760 DateTime=2008-05-15T09:40:07.7127985Z

Make sure you undo these changes after you finish troubleshooting the SSL connection.

Please check next Pages to see all listed Trace codes available

Level	ID	Textual info	Meaning	Adverse effects	resolution
info	100	GalileoSSLTunnel.ServerRespon se_Handler() - Redirect packet received to <i>redirect_url</i>	The next time the SSL Client is run it will use the new gdssl server.		N/A
info	101	RawTCPProtocolHandler - SERVER DISCONNECTED.	The server disconnected a non-FP/GD connection.		N/A
info	102	ServerConnection.Connect() - Local adapter address is : <i>ip_address</i>	The local IP address		N/A
info	103	ServerConnection.Connect() - Constructing tunnel via HTTP Proxy proxy_address:proxy_port	Indicates what web proxy is in use.		N/A
info	104	ServerConnection.Connect() - HTTP Proxy Response: proxy_response	The web proxy HTTP response for a connect.		N/A
info	105	Certificate Validated OK.	Server SSL Certificate OK		N/A
info	106	ServerConnection.ReceivedServ erData_Handler() - server sent 0 bytes.	Usually indicates the server closed the connection.		N/A
info	107	ServerConnection.ReceivedServ erData_Handler() - sslStream was disposed before a read.	Normal processing. The connection was closed.		N/A
info	108	TCPHandler.Listen() - Listening on port <i>port</i>	Now accepting connections on this IP port.		N/A
info	109	TCPHandler.AcceptConnection_ Handler() - TCP Connection accepted. <i>Local_connection_ip</i>	A new client application is now being served.		N/A
info	110	TCPHandler.AcceptConnection_ Handler() - Listening socket was closed.	No longer accepting connections.		If the SSL Client was not being stopped, this needs to be flagged to development
info	111	TCPSession.Run() - Exception thrown: exception			
info	112	TCPSession.SendDataToServer() - Constructing TCP tunnel with Endpoint <i>ip_address:port</i>	Endpoint is the actual server (eg IPCS or IPC) that is being targetted.		N/A
info	113	UDPHandler.ReceivedClientData _Handler() - Got Data.			N/A
info	114	Galileo SSL Tunnel Client Service is starting			N/A
info	116	Starting IPCS traffic handler on port port			N/A
info	117	Starting MQ Print traffic handler on port <i>port</i>			N/A
info	118	Starting GIDS traffic handler on port port			N/A
info	119	Starting TN3270 traffic handler on port <i>port</i>			N/A

info	110	Starting PM Browser traffic			
inio	119	Galileo SSL Tunnel Client started			IN/A
info	120	OK.			N/A
info	121	Galileo SSL Tunnel Client is stopping			N/A
info	122	Galileo SSL Tunnel Client is stopped OK.			N/A
info	123	UDPHandler.Listen() - Running in SERVER mode.	Clustered mode enabled. Only connections from remote machines are accepted.		N/A
info	124	UDPHandler.Listen() - Running in LOCAL mode.	Local mode enabled. Only connections from the local machine are accepted.		N/A
info	125	TCPHandler.Listen() - Running in SERVER mode.	Clustered mode enabled. Only connections from remote machines are accepted.		N/A
info	126	TCPHandler.Listen() - Running in LOCAL mode.	Local mode enabled. Only connections from the local machine are accepted.		N/A
info	130	GPM Wakeup sent.	Local GPM wakeup initiated.		N/A
info	200	GalileoSSLTunnel.ServerRespon se_Handler() - Server Disconnected!			
Warning	201	IPCProtocolHandler.ClientDataR eceived() - Client reconfiguration requested.	The IPC has requested that the client (FP/GD) initiates a IPCS reconfig		N/A
Warning	202	TCPHandler.AcceptConnection_ Handler() - SocketException thrown: <i>exception</i>	A client connection attempt failed.The client is denied a connection so will reflect this.		Stop and restart the SSL Client.
Warning	203	TCPSession.ReceivedClientData _Handler() - Exception thrown:	The client sent us data which could not be obtained. This may be due to a client disconnecting		
Warning	203	TCPSession.OpenTunnel() - Exception handled: exception	A connection to the SSL server could not be established.	Most likely, all clients will fail.	Ensure connectivity to the gd- ssl.galileo.com server, eg. ping.
Warning	220	Exception during Service START:	All or part of the SSL Client failed to start	Hopefully this would be accompanied by a more descriptive error message.	
Error	300	BOOTPProtocolHandler.ModifyU DPResponse() - Exception thrown: <i>exception</i>	There was a problem storing IPCS config info to the .config file	hHost connectivity will fail for FP/GD/GPM	Check permissions to the .config file.

Error	301	BOOTPProtocolHandler.ModifyU DPResponse() - Exception thrown: <i>exception</i>	Most likely, the BOOTP config response from the IPCS is invalid	Host connectivity will fail for FP/GD/GPM	Increase logging to capture data dumps (Verbose) and send to development.
Error	302	GalileoSSLTunnel.ServerRespon se_Handler() - Exception thrown: exception	Should be accompanied by more meaningful log error		
Error	303	ServerConnection.Connect() - AuthenticationException thrown: exception			
Error	304	ServerConnection.Connect() - SocketException thrown: exception			
Error	305	ServerConnection.Connect() - IOException thrown: <i>exception</i>			
Error	306	ServerConnection.Close() - Exception thrown: <i>exception</i>			
Error	307	ServerConnection.Send() - Exception thrown: <i>exception</i>			
Error	308	ServerConnection.Send() - Exception thrown: <i>exception</i>			
Error	308	ServerConnection.Send() - Exception thrown: exception			
Error	310	ServerConnection.ReceivedServ erData_Handler() - Exception thrown: <i>exception</i>			
Error	311	UDPHandler.Listen() - Exception thrown: exception			
Error	312	UDPHandler.ServerResponse_H andler() - Exception thrown: exception			
Error	313	UDPHandler.ReceivedClientData _Handler() - Exception thrown: exception			
Error	314	IPCProtocolHandler.ClientDataR eceived() - Exception thrown: exception			
Error	315	TCPSession.ReceivedClientData _Handler() - client socket was null!			
Error	316	BOOTPProtocolHandler.ModifyU DPResponse() - Could not get machine IP in SERVER mode.	Unable to get the local machine IP	The SSI Client will be unable to accept any incoming client connections.	check for valid IP address using ipconfig.exe
Critical	400	Certificate error: <i>policy error</i>	Server SSL Certificate Invalid	No connections to the SSL server will be made. All connectivity through the Retor Client will fail.	Server certificate should be checked by Travelport for validity.

Critical	401	TCPHandler.TCPHandler() - Exception thrown: <i>exception</i>	A problem occurred while attempting to create a local TCP socket for listening.	It is likely that the Retro Client will not accept any connections from the local application that uses this port. Hence no host connectivity.	
Critical	402	TCPHandler.Listen() - SocketException thrown: exception	A problem occurred while attempting to start listening and accepting connections on a local TCP socket.	It is likely that the Retro Client will not accept any connections from the local application that uses this port. Hence no host connectivity.	
Critical	403	TCPHandler.Initialize() - SocketException thrown: exception	A problem occurred during the initialization of the local listening TCP socket.	The Retro Client will not accept any connections from the local application that uses this port. Hence no host connectivity.	
Critical	405	TCPSession.Run() - Exception thrown: <i>exception</i>	General failure, this will be accompanied by more detailed diagnostic errors.		
Critical	406	UDPHandler.UDPHandler() - Exception thrown: <i>exception</i>	Failure while starting to listen for UDP (IPCS) requests	FP/GD will most likely fail to configure.	
Critical	407	TCPHandler.TCPHandler() - Exception thrown: <i>exception</i>	Failure while starting to listen for TCP (all but IPCS) requests	Accompanying errors should determine the actual problem.	
Critical	408	TCPSession.SendDataToClient() - Less than 3 bytes sent	No longer an error. Used to identify bad LCN data, however other connections may reasonably send very small packets.		
Verbose	900	BOOTPProtocolHandler: Received UDP Data from Server:- data_dump	infoal data dump of UDP server->client data		
Verbose	901	Sending TCP data via SSL tunnel to server:- data_dump	infoal data dump of client- >server data		
Verbose	901	Sending TCP data via SSL tunnel to server:- <hidden data="" packet=""></hidden>	infoal message of server- >client data (authentication packet)		
Verbose	902	TCPSession.SendDataToClient() - Sent <i>length</i> bytes to client: <i>data_dump</i>	infoal data dump of TCP server->client data		
Verbose	903	UDPHandler.SendDataToClient() - Sending data to client: data_dump	infoal data dump of UDP server->client data		
Critical	4000	Trace Level changed to tracelevel.	Logging level was changed	Log more/less info	N/A

5.3 SSL FAQ's

What happens to a customer's printer linkage?

There will be no noticeable difference in the agent experience. Printer linkage from a converted or non-converted terminal will continue to connect to a converted or non-converted printer server with no action required on the part of the converted agent

Can a customer use a client ID from their agency PC at home?

If they are using more then one workstation, they may need more than one client id per workstation depending on whether it's a laptop with docking station or standard PC.

Can customers have multiple ClientID on a workstation?

Yes.

What happens when the customer's internet connection is disrupted / broken?

The desktop will behave in the same manor as it does with a connection break today. In FP 3.5, the status line will show a connection break, and the workstation will reconnect on the next agent entry. GD will reconnect automatically. GPM will try to reconnect whenever a connection break is detected. What if the customer's ISP connection becomes unstable? Customers will need to work with their ISP to get a more stable connection.

Will the customer's connection be faster or slower than it is today?

If they have better available bandwidth to their ISP than they do to the Galileo network, they should see an improvement in performance. If they have less available bandwidth to their ISP than they have the Galileo network their performance will get worse. Customers need to keep in mind that their performance will now be entirely related to their ISP bandwidth.

How does your SSL solution protect my customer privacy information?

The retro-client uses the highest available SSL cipher level available in your country, and encryption is established on your workstation, meaning your host connectivity is now encrypted on your agency LAN as well as the internet. The SSL retro-client has the same level of privacy information security as our current leased line or router-based VPN solutions

What if my desktop PC has Focalpoint/Galileo Desktop as well as Galileo Print Manager?

The Galileo SSL retro-client will work with GPM on a shared workstation OR on a stand-alone workstation

Does it work with Citrix?

Yes, but not in a clustered environment. We are looking to support clustered Citrix in Galileo Desktop 2.1. Citrix requires special customization to work with SSL. We are currently testing this solution, and are seeking customers willing to help us test. A single workstation on a Citrix server can be converted to SSL without converting the rest of the Citrix workstations

What about my 3rd party applications?

If they connect via the Galileo Desktop (or Focalpoint) APIs, they will continue to function per normal

5.4 Useful Galileo entries:

+J SON/Zxx SOF HMLD HQSgtid HQC HQCgtid	 Check the GTID used in the Galileo Software. Log in to the Galileo-system (xx = initials of the Galileo user) Log off Check the status of the Galileo printers and Print buffers. Restart of a Print Job (gtid = GTID of the printer) Show today's print statistics Show the total number of queued print messages (gtid = GTID van printer)
HMLMgtidDI HMOMgtid-ITN HMOMgtid-U	: Link a Workstation to a Itinerary printer I : To configure a Gtid to be used as an Itinerary printer. : Change the printer queue status to Up (D=down).
HMLMgtidDA HMOMgtid –U TKPDID TKPDAD	 Link a Workstation to a MIR (back office feed) Change the printer queue status to Up (D=down) print an itinerary (after retrieving a booking file) creating a MIR (after retrieving a booking file)