eMudhra emBridge Windows Installation Guide





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1. Overview

emBridge is a client tool for certificate management being used in most of the popular desktop operating systems. It exposes several REST API's to use certificates from a client system to various browsers/client application integrations.

This document provides a high-level overview of the steps involved in installing emBridge for Windows operating system.







2. Installation Prerequisites

This document intends that the following prerequisites are available:

- emBridge installed in local client system and running.
- Below Table 1 gives list of supporting Windows OS and its versions.

OS	Version
Windows Client	7 SP2+, 8.1
Windows 10 Client	Version 1607+
Windows Server	2008 R2 SP1+

Table 1





3. Installation Procedure

Here is a step by step guide on how to install emBridge.

Step 1: Download the emBridge.exe from https://embridge.emudhra.com/

Install emBridge with admin rights.

Click on emBridge.exe file and follow the below mentioned steps.

Step 2: Click on "Check box" to add desktop shortcut and click "Next" button as shown in Figure 1.

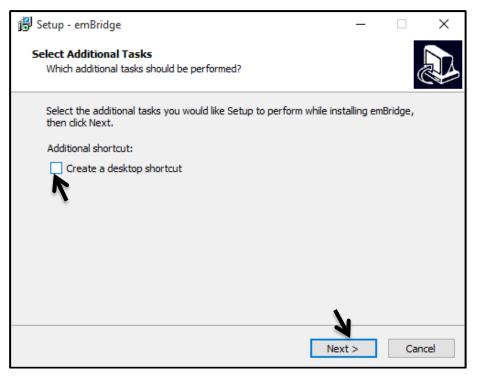


Figure 1





Step 3: Click on "Install" button as shown in Figure 2.

🗊 Setup - emBridge	_		×
Ready to Install Setup is now ready to begin installing emBridge on your computer.			Ð
Click Install to continue with the installation, or click Back if you want change any settings.	to revie	w or	
Additional tasks: Additional shortcut: Create a desktop shortcut		,	^
<		>	~
< Back Inst	all	Ca	ncel

Figure 2

Step 4: On click of **"Next"** button as shown in Figure 3 installer stops running emBridge service and uninstall previous installations if any and auto install updated version.

🛃 Setup	- emBridge	—		\times
-	ring to Install up is preparing to install emBridge on your computer.		G	
8	The following applications are using files that need to be updat recommended that you allow Setup to automatically close thes After the installation has completed, Setup will attempt to rest applications.	e applica		
	emBridge emBridge Service		^	
	<		>	
	Automatically close the applications			
	O Do not close the applications			
	< Back Nex	d >	Can	cel

Figure 3





Step 5: emBridge is successfully installed in your PC click **"Finish"** button to complete the installation as shown in Figure 4.

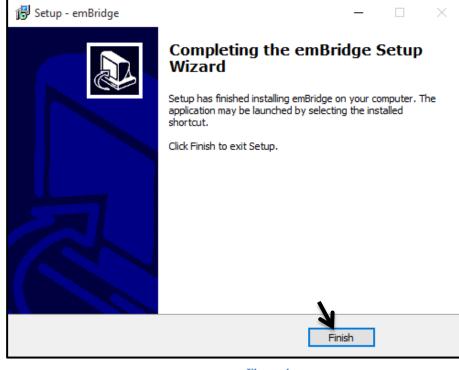


Figure 4

Step 6: Launch the application **"emBridge"** by clicking on the icon as shown in the Figure 5, to check running status.



Figure 5





Step 7: Click on **"Refresh"** button to restart the emBridge as shown in Figure 6.

💉 emBridge - v5.6.7.2	×
emudhra Trust Dellivered	eMudhra Limited www.emudhra.com
emBridge Service Version 5.6.7.2 © eMudhra Limited All rights reserved.	*
Supported Biometric Devices	
EnterSafe ePass2003 eToken Base Cryptographic Provider mToken CryptoID SCP TRUST KEY CSP PROXKey CSP India Bit4id Universal Middleware Provider	
Warning: This is a protected computer program. Unautho distribution of this program, or any portion of it, is not all This application uses external libraries / services of indivic	lowed.
eMudhra does not take any ownership or liability of any e such dependencies.	
Service Status: Running	Refresh Hide

Figure 6





4. Testing the Installation

After successful installation of the software, can test the installation as mentioned below:

I. Type URL: <u>https://localhost.emudhra.com:26769</u> in web browser, if the URL is able to resolve as shown in Figure 7 then the emBridge is running on the PC.





- II. If in case not able to list connected tokens/certificates, please follow below steps :
 - Open "Run" app OR Use shortcut key "windows + R" Key.
 - Type "cmd" in Run application.
 - Type "services.msc" in Cmd and click on "OK" as shown in Figures 8.

	ocuments Class 3	SSL Authorizati	Polycom RealPresen	putty.exe	Express_Lin	This PC - Shortcut
Di	@ Run		Windows will		ument, or Interne	et
D			OK	Cancel	<u>B</u> rowse	
	م 🗄) Type here	e to search			0

Figure 8



• In Services select "emBridge" and right click on "emBridge service" to stop the service as shown in Figure 9.

Services							
File Action View	Help						
🗢 🄿 🔤 🖬 🖸	🗟 🚺 📷 🕨 🗰 🖬 🕪						
🔍 Services (Local)	Services (Local)	-					
	emBridge Service	Name	^	Description	Status	Startup Type	Log On As
		🆏 eCM Service		eCM Service		Manual	Local Syste
	Stop the service Restart the service	CM Servicev		eCM Servicev		Manual	Local Syste
	Nestan the service	🌼 embeddedmode		Embedded		Manual (Trig	Local Syste
		😪 emBridge Service	C1 1	emBridge S	Running	Automatic	Local Syste
	Description:	i emMySQL	Start		Running	Automatic	Local Syste
	emBridge Service.	🏟 eMudhral T	Stop	eMudhra IT		Automatic	Local Syste
		🍓 Encrypting File	Pause	Provides th	Running	Automatic (T	Local Syste
		🍓 Enterprise App	Resume	Enables ent		Manual	Local Syste
		ETOKSRV	Restart	eToken PKI	Running	Automatic	Local Syste
		🍓 Extensible Autl		The Extensi		Manual	Local Syste
		🏟 Fax	All Tasks >	Enables you		Manual	Network S
		🍓 File History Ser	Refresh	Protects use	rotects use	Manual (Trig	Local Syste
		🍓 Forcepoint Enc				Disabled	Local Syste
		🖏 Fppsvc	Properties		Running	Automatic	Local Syste
		Sunction Disco	Help	The FDPHO		Manual	Local Service
		🍓 Function Disce . 🔔		Publishes th		Manual	Local Service

Figure 9

• Go to Path : C:\Windows\System32\drivers\etc and edit the file "hosts" and insert new line as provided below and save the file as shown in Figure 10 -11.

$\leftarrow \ \ \rightarrow \ \ \land \ \ \uparrow$ $\ \ \downarrow \ \ $	Local Disk (C:) > Windows > System32 > drivers			
🧊 3D Objects	^ Name	Date modified	Туре	Size
📃 Desktop	DriverData	04-11-2019 18:11	File folder	
Documents	en-US	18-11-2019 19:10	File folder	
🕂 Downloads	etc	06-12-2019 15:47	File folder	

Figure 10

127.0.0.1 localhost.emudhra.com

```
hosts - Notepad
File Edit Format View Help
# Copyright (c) 1993-2009 Microsoft Corp.
#
# This is a sample HOSTS file used by Microsoft TCP/IP for Windows.
# This file contains the mappings of IP addresses to host names. Each
# entry should be kept on an individual line. The IP address should
# be placed in the first column followed by the corresponding host name.
# The IP address and the host name should be separated by at least one
# space.
# Additionally, comments (such as these) may be inserted on individual
# lines or following the machine name denoted by a '#' symbol.
#
# For example:
#
#
       102.54.94.97
                        rhino.acme.com
                                                 # source server
#
        38.25.63.10
                        x.acme.com
                                                 # x client host
# localhost name resolution is handled within DNS itself.
       127.0.0.1
                        localhost.emudhra.com
       ::1
                        localhost
#
```

Figure 11





III. Start the emBridge service as shown in Figure 12.

Services								
File Action View	Help							
Services (Local)	Services (Local)	^						
	emBridge Service	Name		Description	Status	Startup Type	Log On As	
		🏟 eCM Service		eCM Service		Manual	Local Syste	
	Start the service	🍓 eCM Servicev		eCM Servicev		Manual	Local Syste	
		🆏 embeddedmode		Embedded		Manual (Trig	Local Syste	
	Description:	🚳 emBridge Service 👘	Start	Bridge S		Automatic	Local Syste	
	emBridge Service.	🏟 emMySQL 📃			Running	Automatic	Local Syste	
		🏩 eMudhralT	Stop	udhra IT		Automatic	Local Syste	
		🖳 Encrypting File Systen	Pause	vides th	Running	Automatic (T	Local Syste	
		Enterprise App Manac	Resume	bles ent		Manual	Local Syste	
		CTOKSRV	Restart	ken PKI	Running	Automatic	Local Syste	
		Extensible Authentica	All Tasks	Extensi		Manual	Local Syste	
		🖏 Fax	All Tasks	bles you		Manual	Network S	
		Rile History Service	Refresh	ects use		Manual (Trig	Local Syste	
		Second Endpoint (Properties			Disabled	Local Syste	
		Sec. Fppsvc			Running	Automatic	Local Syste	
		Section Discovery Pr	Help	FDPHO		Manual	Local Service	
		Eunction Discovery Reserved	recrubication	lishes th		Manual	Local Service	

Figure 12

