

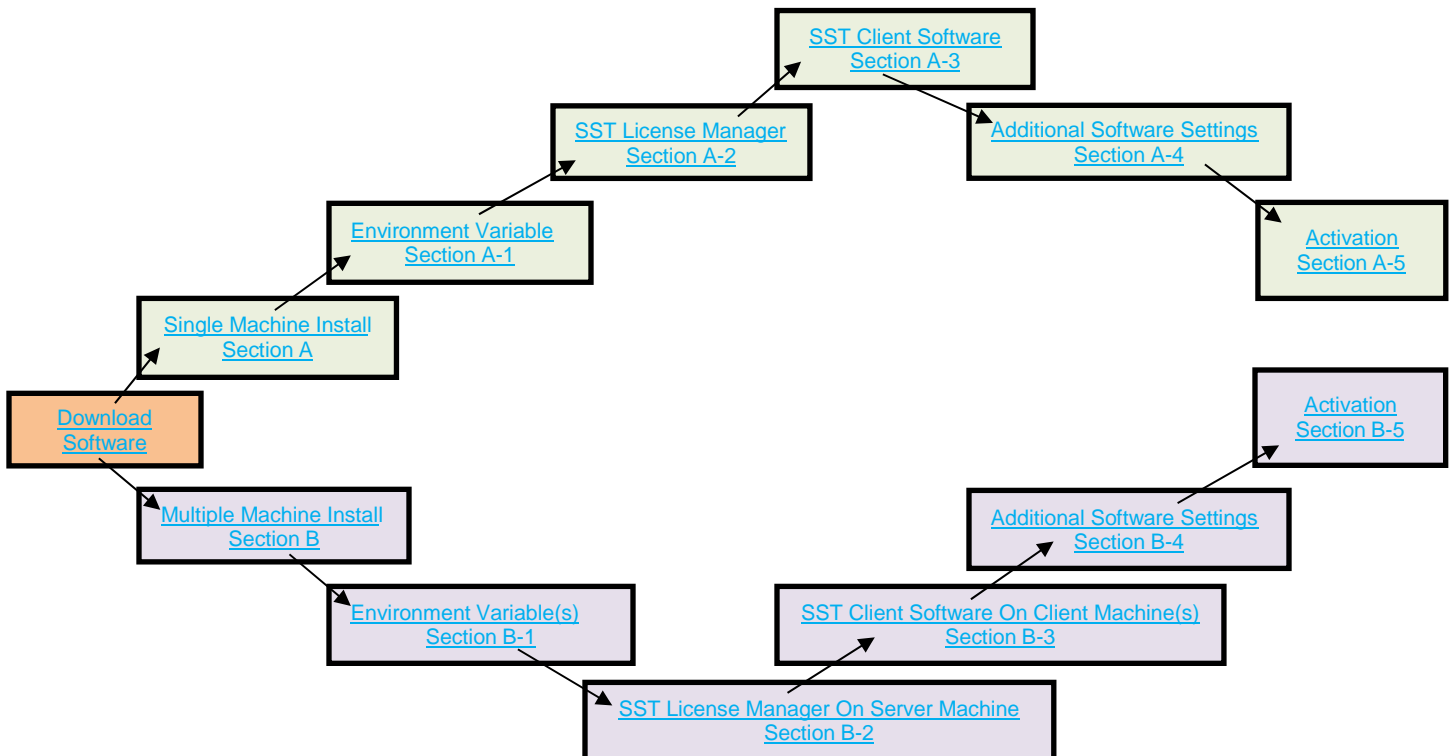
Universal Installation Instructions for SST License Manager based Software

Thank you for downloading software from sstusa.com. Please carefully review and follow all instructions.

IMPORTANT NOTE:

SST software mentioned in the installation instruction below requires .NET Framework 4.0. In Windows 10, Windows 11 and Windows Server 2019, .NET Framework 4.6 or 4.8 is already installed by default. This .NET Framework includes 4.0. Hence, a separate installation of .NET Framework 4.0 is not required.

Here's a basic outline of both installations and their requirements.



If you plan on using only one machine for the entire installation, please proceed to [Section A – Single Machine Installation Instructions.](#)

If you plan on using multiple, network connected machines, please proceed to [Section B – Network/Multiple Machine Installation Instructions.](#)

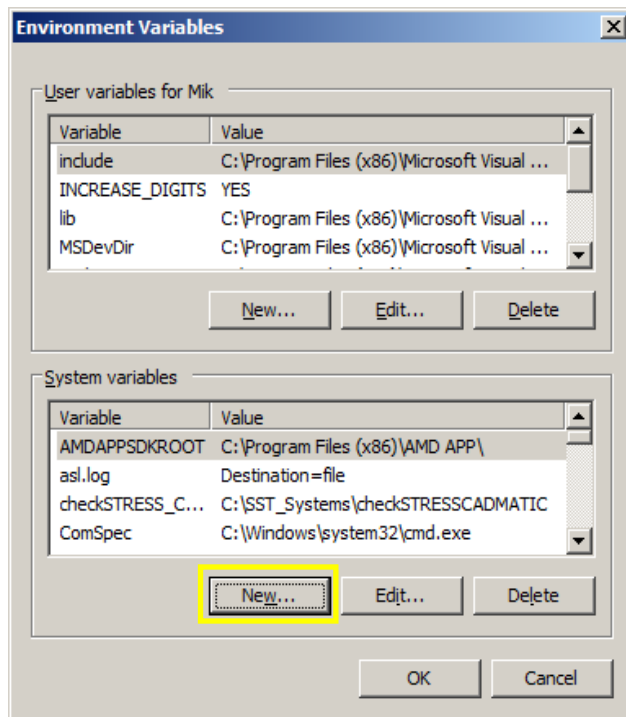
Section A: Single Machine Installation Instructions

A-1. Create Environment Variable

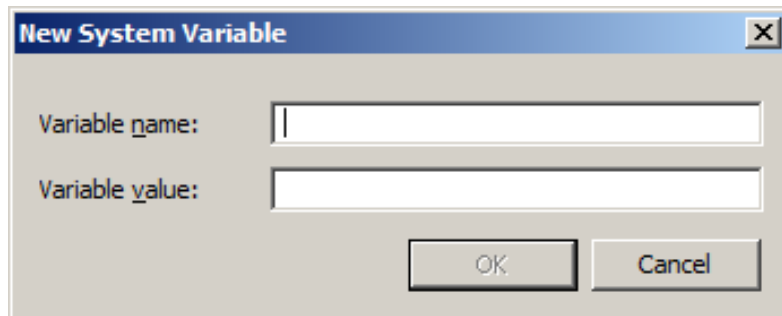
SKIPIP Environment Variable

Identify the machine where SST License manager and SST Client software (such as CAEPIPE, HOTclash, dataTRANSLATOR, checkSTRESS, etc.) is to be installed.

- Create the following Environment variable on your machine.
- Open Windows Control Panel>System>Advanced Tab.
- Click on Environment Variables.
- Click New from the System variables window (bottom section).



- This dialogue box will appear.

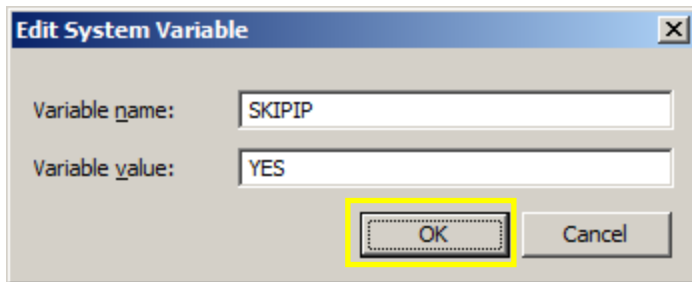


- Enter the following in the appropriate fields.
Variable name: SKIPIP
Variable value: YES

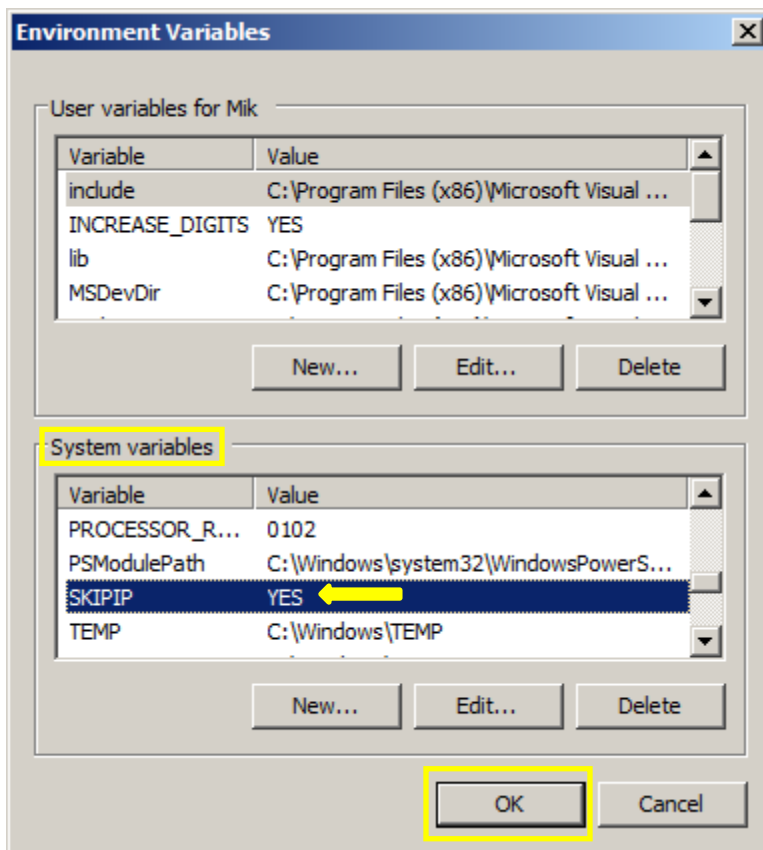
Make sure to use only CAPITAL letters (as shown above) when inputting the Variable name and its value.

DO NOT make duplicate entry of any Environment Variable as it may not work correctly.

- Click OK on the New System Variable dialog box to add the Variable.




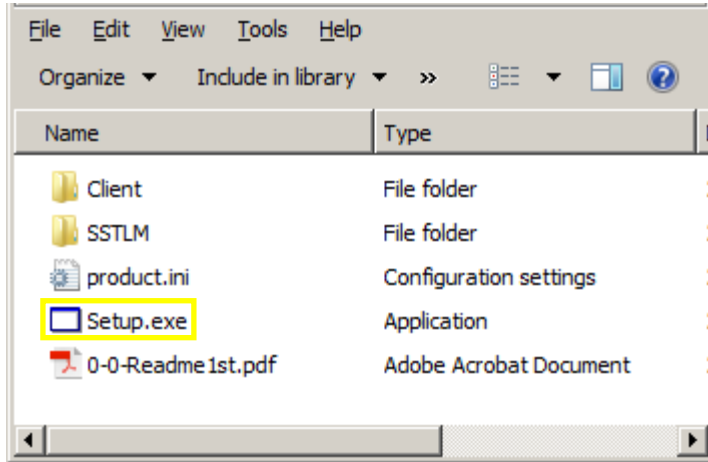
- Your settings should look similar to ones in the image below.
- Click OK at the bottom to exit the Environment Variables settings window and again to exit the Systems Properties window.



NOTE: DO NOT make duplicate entries of same Environment Variable under User Variable as your SST Client Software may not work.

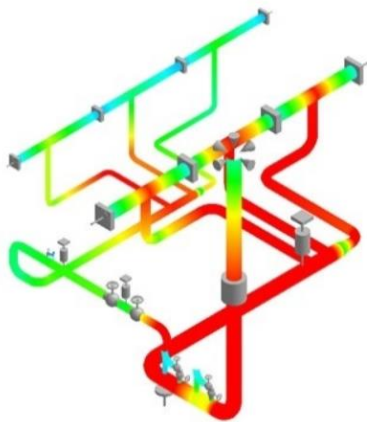
A-2. Install SST License Manager

- Unzip the CAEPIPE 3D+ or HOTclash or dataTRANSLATORS or checkSTRESS file you downloaded from the website. Click the  Setup.exe icon (found in your unzipped download folder) to open the installation menu.



We are using CAEPIPE 3D+ as our example software for these installation instructions.

- Click “1. Install SST License Manager” button from the installation setup menu.



0. Instructions - READ FIRST

1. Install SST License Manager

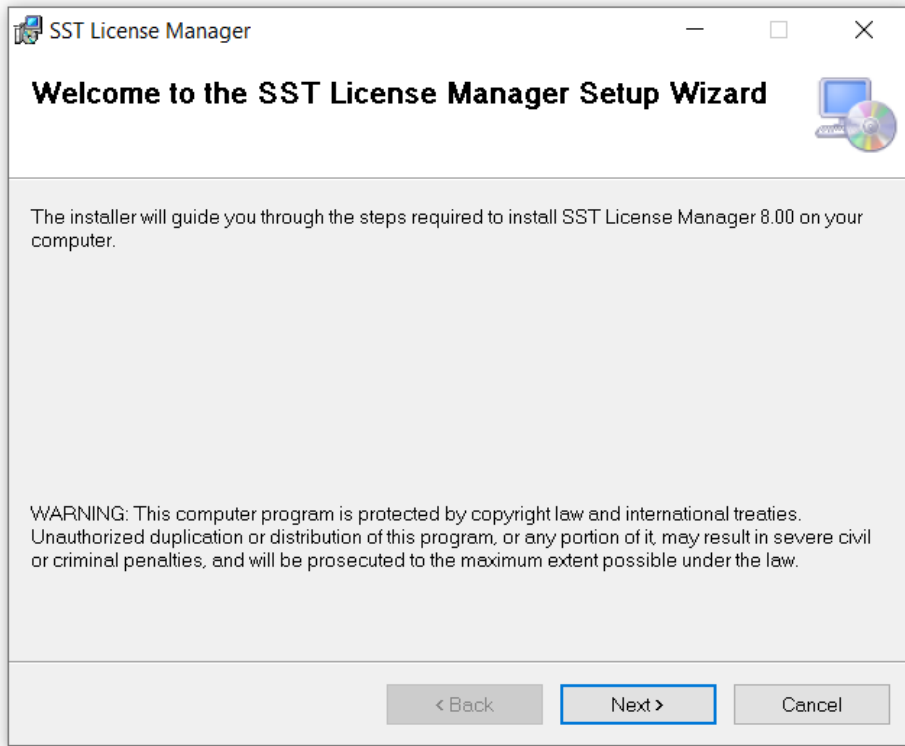
2. Install CAEPIPE 3D+

Exit

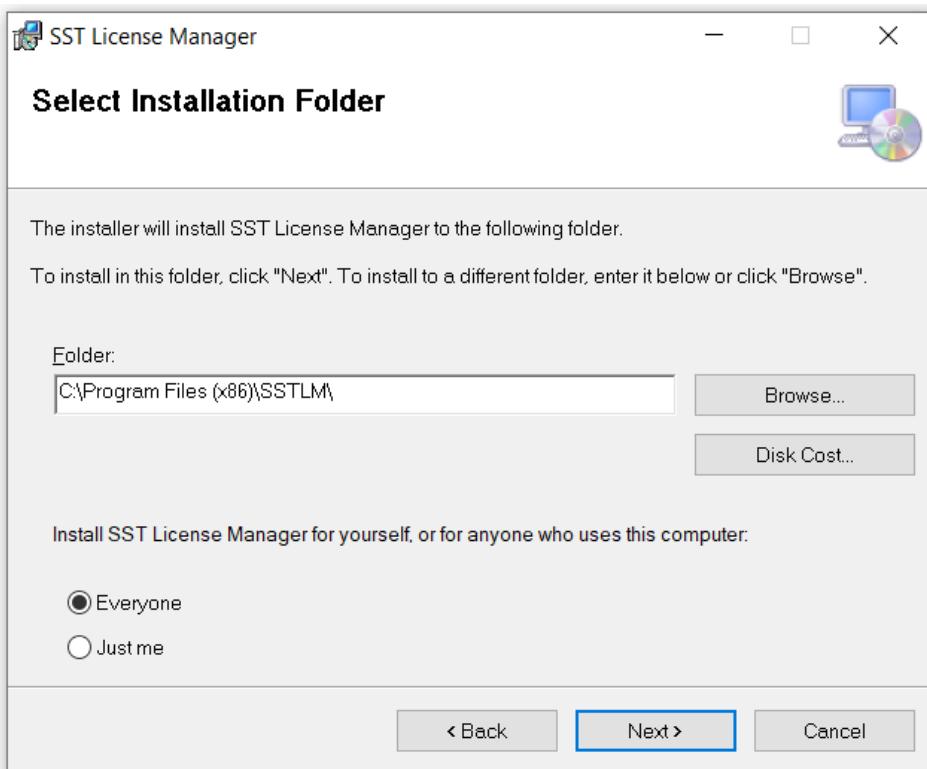


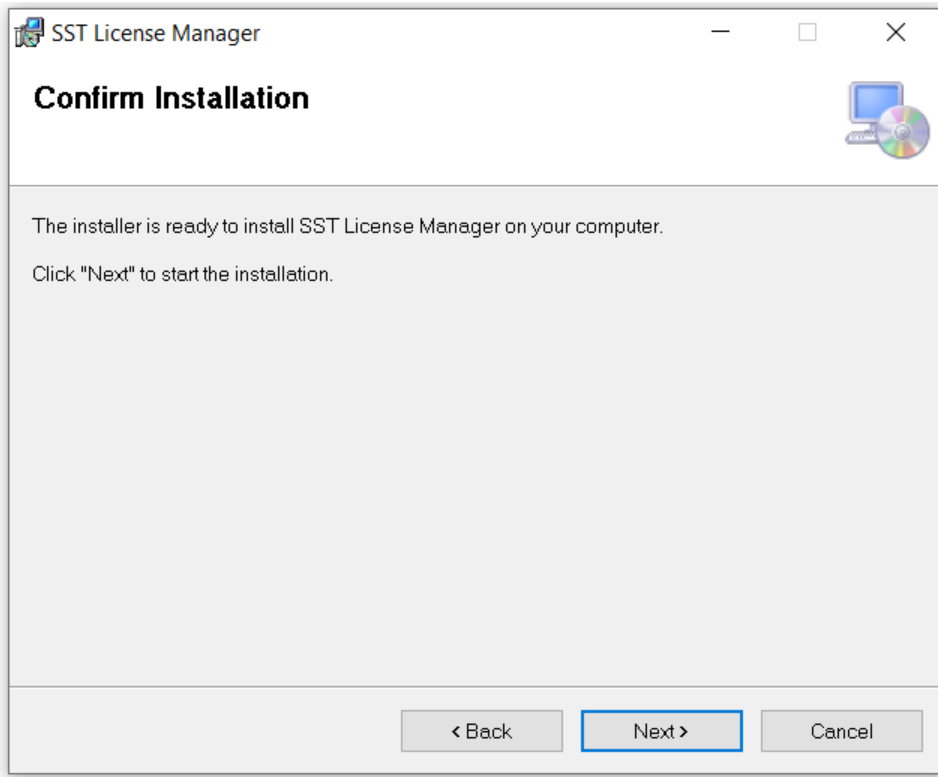
The FASTEST Solutions for Piping Design and Analysis.

- A dialog window like the one shown below will appear. Click Next to proceed with installation.



- Change the user access option at the bottom of the next screen from "Just me" to "Everyone". Click Next to select the default installation folder.. Click Next to confirm installation.

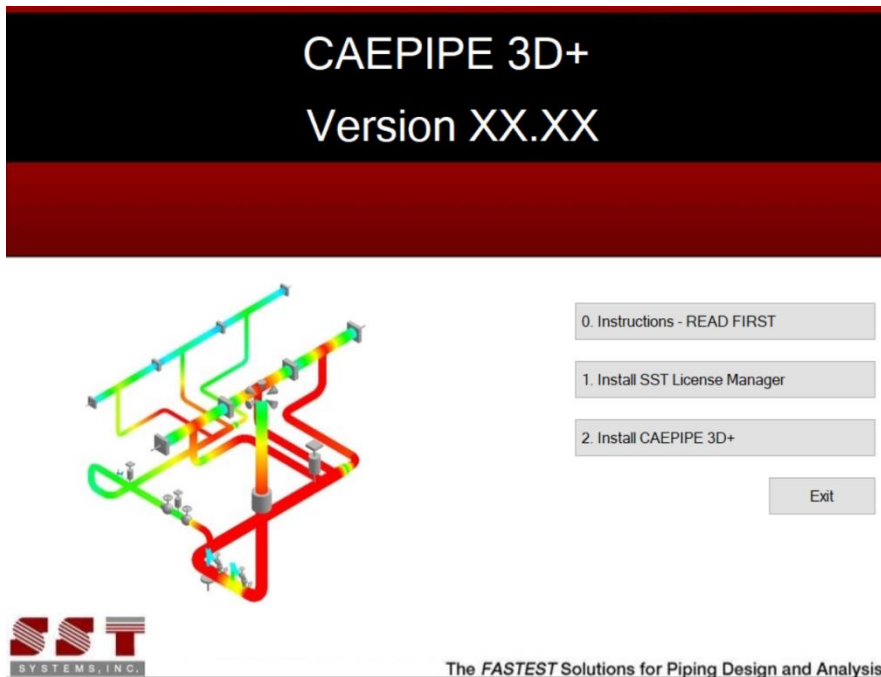




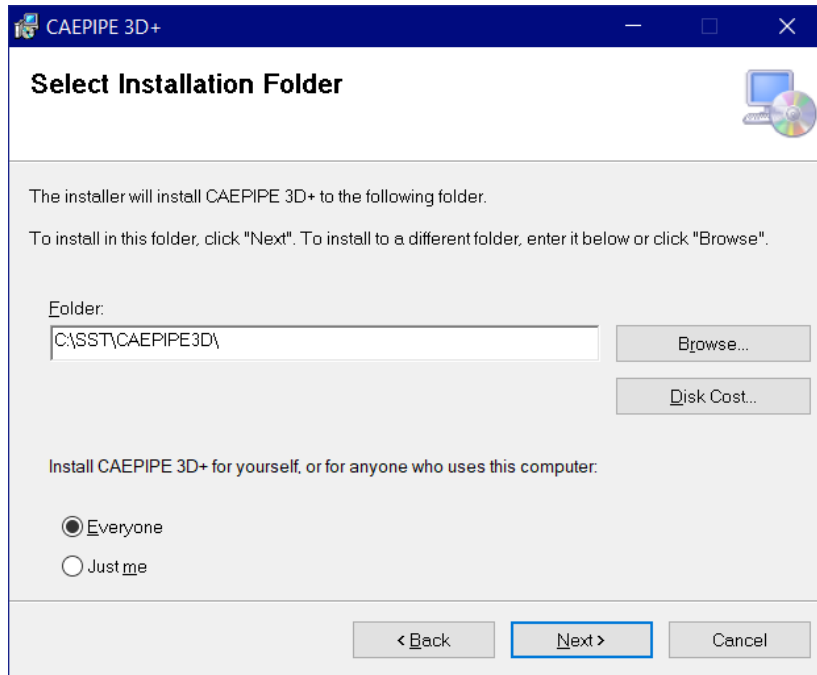
- Click the Close button to complete the process.

A-3. Install SST Client Software.

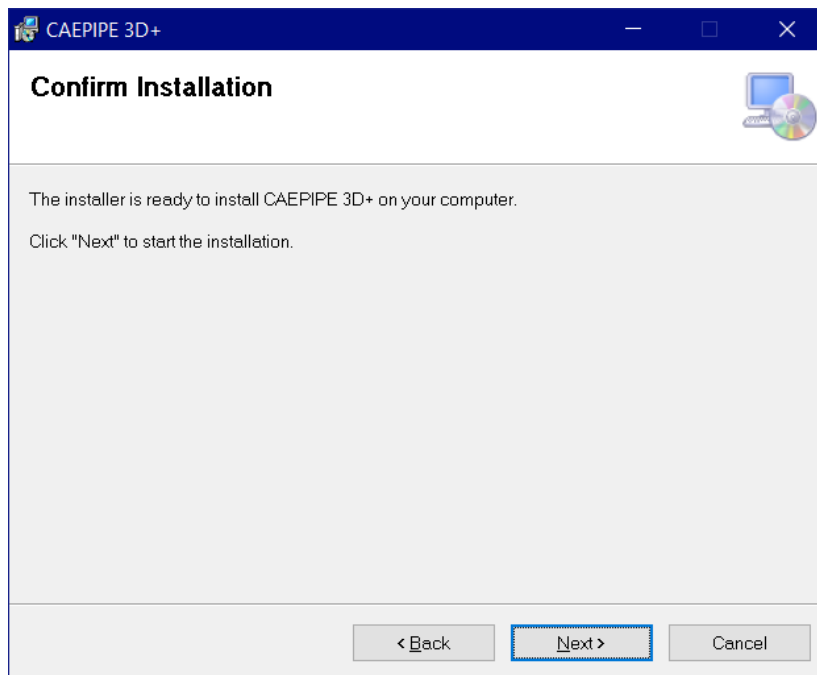
- Click “2. Install <Name of Client Software>” from the setup menu and follow the installation instructions to install the Client software.



- If changing the default directory folder path, avoid using spaces or special characters (correct format shown in example below).
- Change the user access option at the bottom of the next screen from “Just me” to “Everyone”. Click Next to select installation folder shown.



- Click Next to confirm installation.



- Click Close to finish the installation.

A-4. Additional Settings for SST Client Software

Check Additional Environment Variables Chart

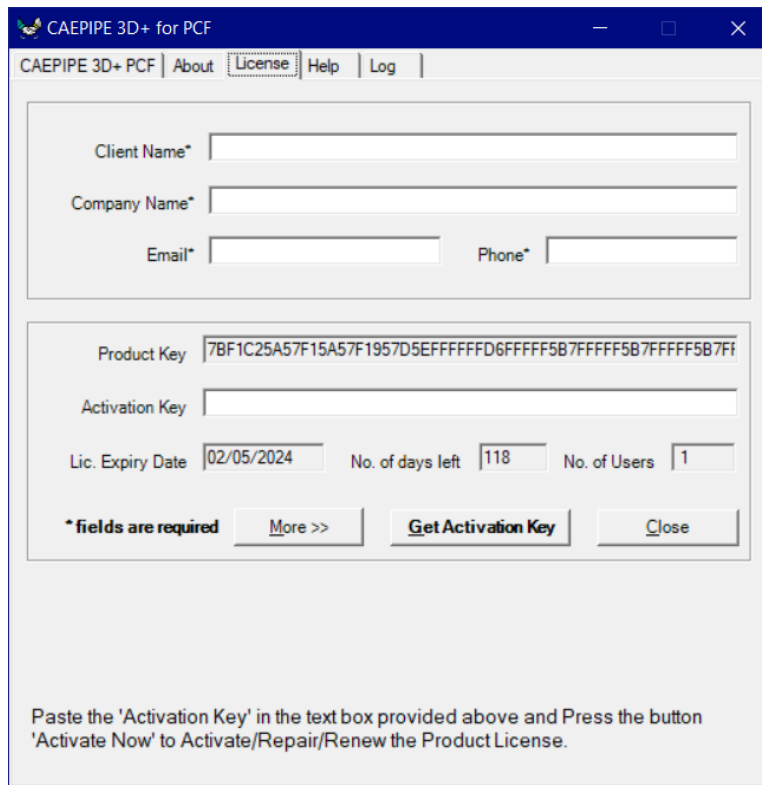
- Navigate to the **Section D** of these instructions and review the chart titled Additional Environment Variables to see if the software you installed needs additional installation steps to finalize your installation. Follow instructions in your software's Plant Design Settings Reference Manual to complete any additional installation steps required. (See #2 below for location of software documentation).

Review Client Software Documentation Chart

- Navigate to **Section D** of these instructions and review the chart titled Client Software Documentation to locate your installed software documentation.

A-5. Activate SST Client Software

- If SST Client Software is not open, run/open the installed SST Client Software from your Windows Start menu or installation directory. When you start the SST Client Software or begin to use it, an activation dialog box will open. (An example, "CAEPIPE 3D+ PCF" Activation dialog is shown below.)



- Fill out the client information portion at the top of the dialog box.
- Email your request by clicking on the "More" button and then "Send email" button. You may also copy and paste the ENTIRE product key (which is longer than the width of the visible Product Key field) into an email and send it to activation@sstusa.com. If you are located in India, please email your information to sales@sstindia.co.in.
- You will receive an Activation Key by email to the email address entered in the client information area.
- Once the Activation Key from SST is received, launch the SST Client Software again and copy the ENTIRE Activation Key into the Activation Key field and click on "Activate Now" (see below).

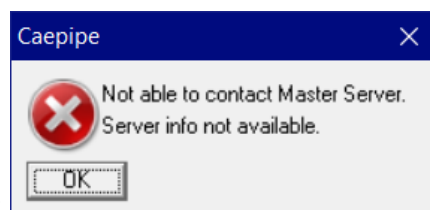
- Click Close. This completes the activation process and provides full functionality of the client software.
- Alternatively, Activation can also be performed through Manage License Tool as given below, if you are using SSTLM Version 8.00 or Later.
 - Launch “Manage License” tool through Start > SST License Manager in the machine where the SSTLM is installed.
 - Select the Name of the Product from the list.
 - Turn ON the option “Install or Repair Activation Key”.
 - Paste the “Activation Key” received in the text box below the option “Install or Repair Activation Key”.
 - Press the button “Install Key” to activate the product.

Notes:

- Pressing the button “Get Activation Key” will show an error message as given below as automatic key generation through automated server is disabled.



OR



- Refer to **Section C** of this document for Troubleshooting when you receive any errors.

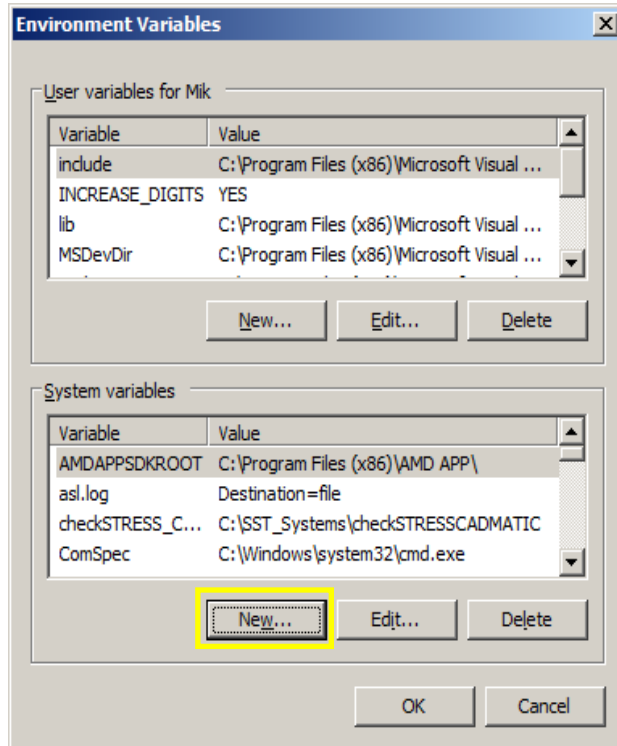
Section B: Network/Multiple Machine Installation Instructions.

B-1. Create Environment Variables

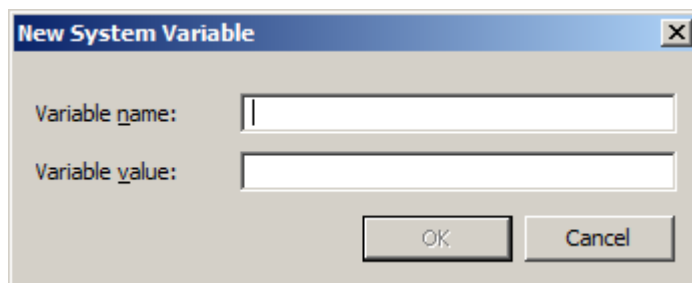
SKIPIP Environment Variable - on the server machine and all client machines

Identify all the Client machine(s) where ONLY SST Client software (such as HOTclash, dataTRANSLATORS, checkSTRESS, etc.) is to be installed.

- Open Windows Control Panel>System>Advanced Tab.
- Click on Environment Variables.
- Click New from the System variables window (bottom section).



- This dialogue box will appear.



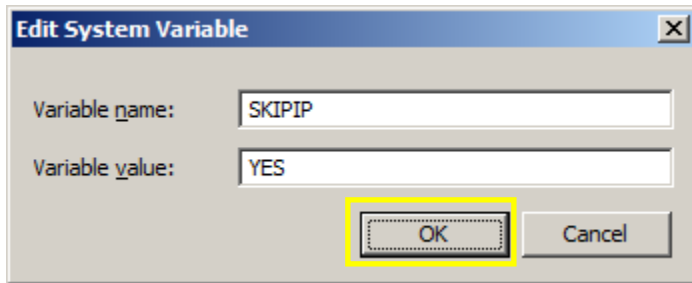
- Enter the following in the appropriate fields.

Variable name: **SKIPIP**

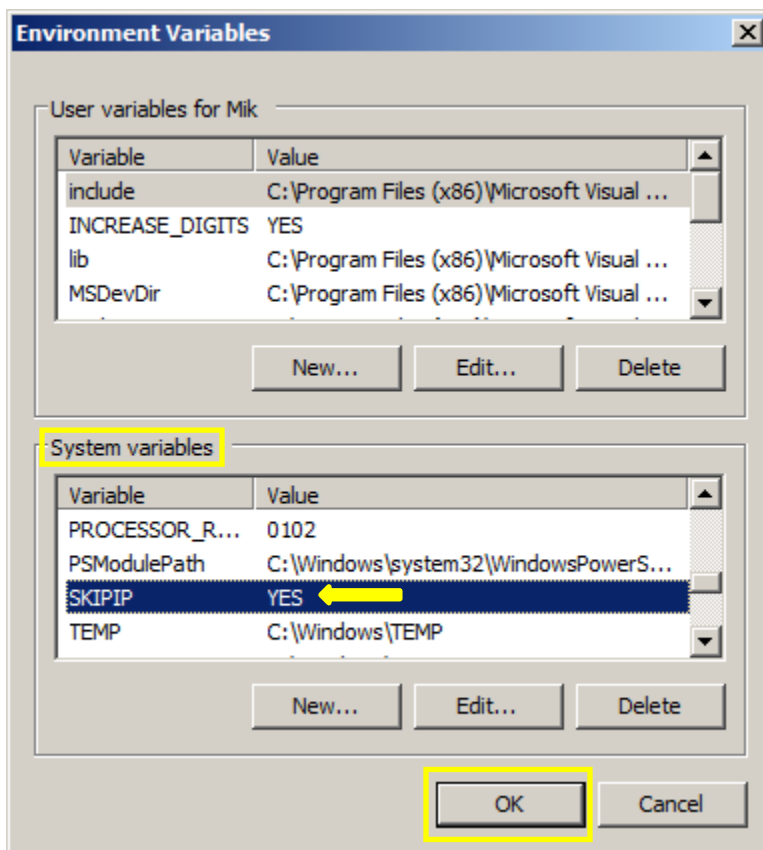
Variable value: **YES**

Make sure to use only CAPITAL letters (as shown above) when inputting the Variable name and its value.

DO NOT make duplicate entry of any Environment Variable as it will block your software from working correctly.



- Click OK on the New System Variable dialog box to add the Variable.
- Your settings should look similar to ones in the image below.
- Click OK at the bottom to exit the Environment Variables settings window and again to exit the Systems Properties window.



NOTE:

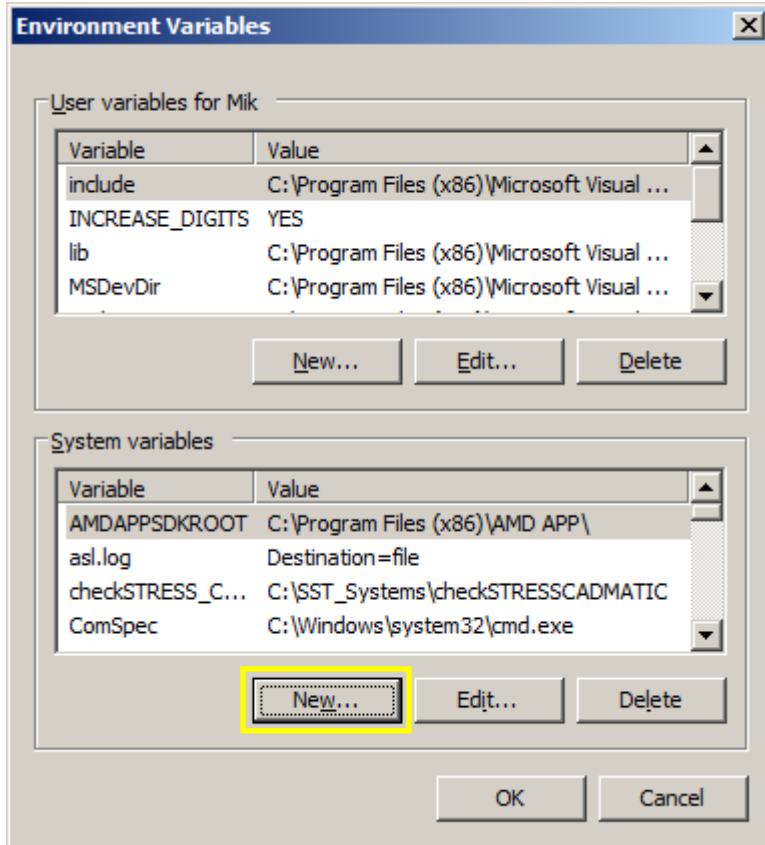
DO NOT make duplicate entries of any Environment Variable on any machines as it may not work properly.

SSTLM Environment Variable – on all client machines only (SST License Manager is NOT installed on client machines).

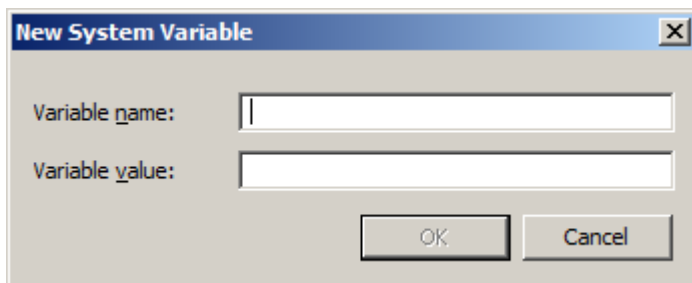
Identify all the **Client** machine(s) where SST **Client software** is to be installed ONLY (such as [CAEPIPE 3D+](#), [HOTclash](#), [dataTRANSLATORS](#), [checkSTRESS](#), etc.).

Create the following Environment variable on the **CLIENT** machine(s). This will allow SST Client Software to access the license hosted by SST License Manager over your network.

- Open Windows Control Panel>System>Advanced Tab.
- Click on Environment Variables.
- Click New from the System variables window (bottom section).



- This dialogue box will appear.



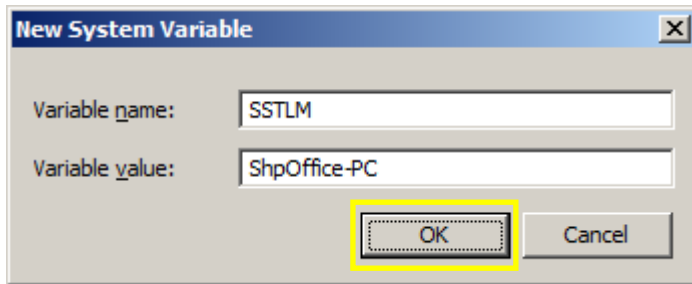
- Enter the following in the appropriate fields.

Variable name: **SSTLM** (Use CAPITAL letters ONLY).

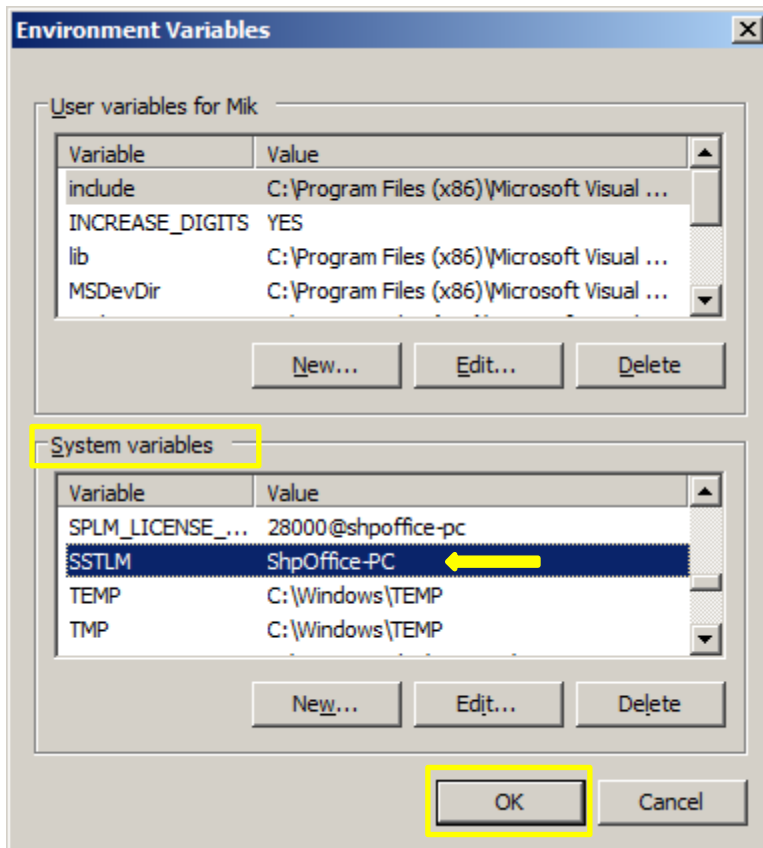
Variable value: <Computer name> of server machine where SST License Manager is installed (in the example below we entered "ShpOffice-PC").

Make sure that the spelling of the server "Computer name" in the Variable value is exactly as shown on the server machine under Control Panel > System menu, under Computer name, domains, and work group settings. See example in image below.

- Click OK on the New System Variable dialog box to add the Variable.



- Your settings should look similar to ones in the image below.
- Click OK at the bottom to exit the Environment Variables settings window and again to exit the Systems Properties window.




NOTE:

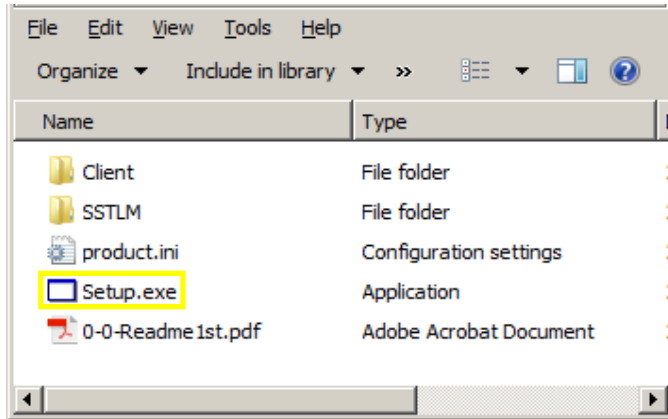
DO NOT make duplicate entries of any Environment Variable as your SST Client Software may not work.

B-2. Install SST License Manager on the server machine only

NOTE: The SST License Manager software is to be installed only once on the server machine chosen for the specific and permanent purpose of hosting the SSTLM driven clientsoftware license which all other client machines in your network will access. Do not repeat the steps described below under "Install SST License Manager" for any machine other than a dedicated server machine.

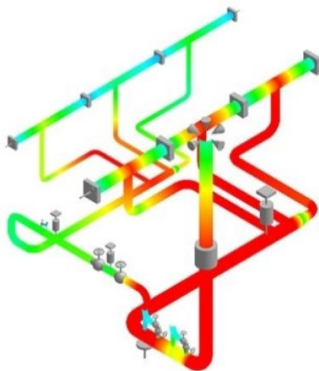
DO NOT INSTALL SST LICENSE MANAGER ON ANY CLIENT MACHINE(S).

- Unzip the CAEPIPE 3D+ or HOTclash or dataTRANSLATORS or checkSTRESS file you downloaded from the website. Click the  Setup.exe icon (found in your unzipped download folder) to open the installation menu.



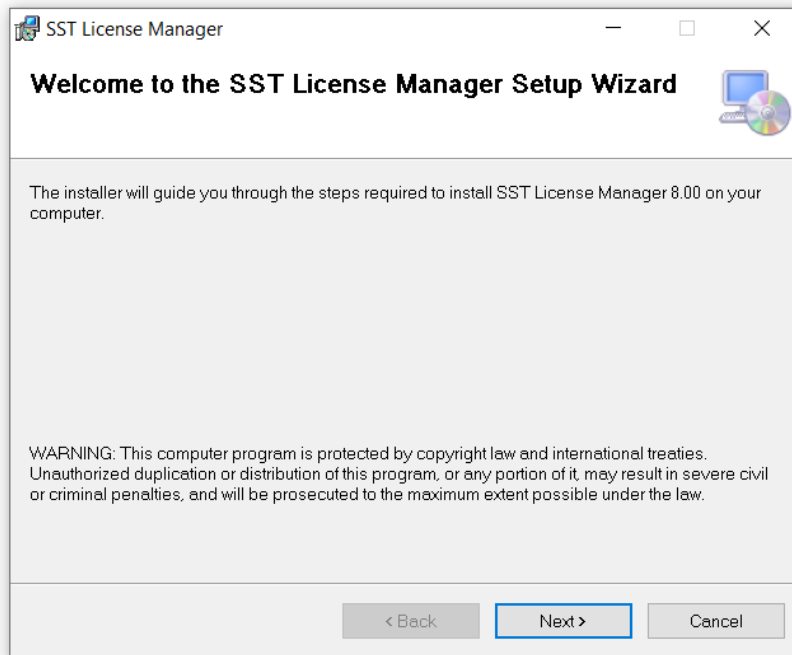
We are using CAEPIPE 3D+ as our example software for these installation instructions.

- Click "1. Install SST License Manager" button from the installation setup menu.

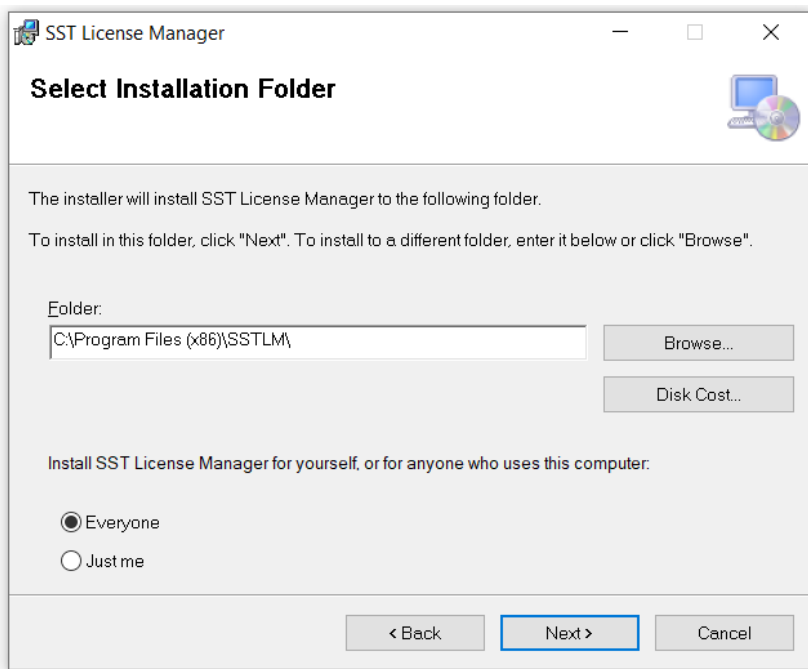


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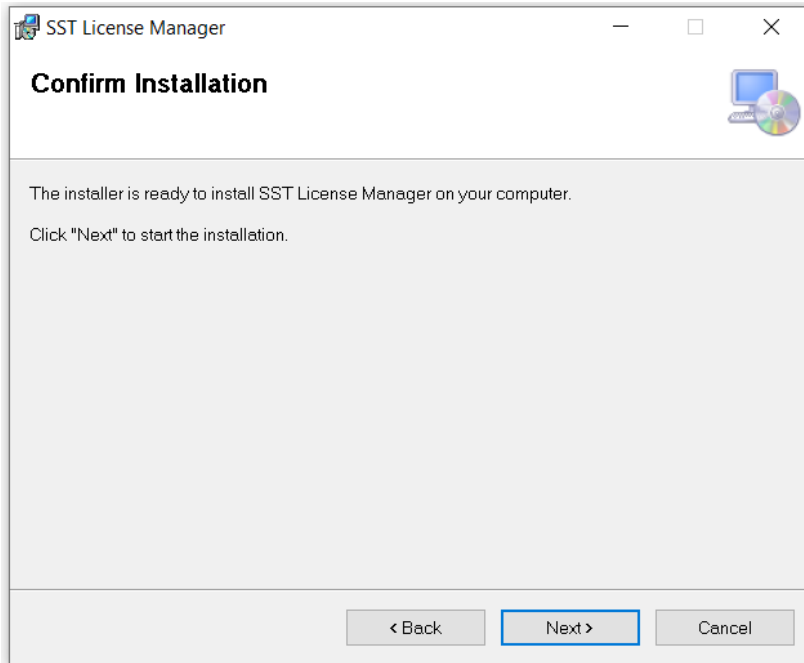
- A dialog window like the one shown below will appear. Click Next to proceed with installation.



- Change the user access option at the bottom of the next screen from "Just me" to "Everyone". Click Next to select the default installation folder.



- Click Next to confirm installation.

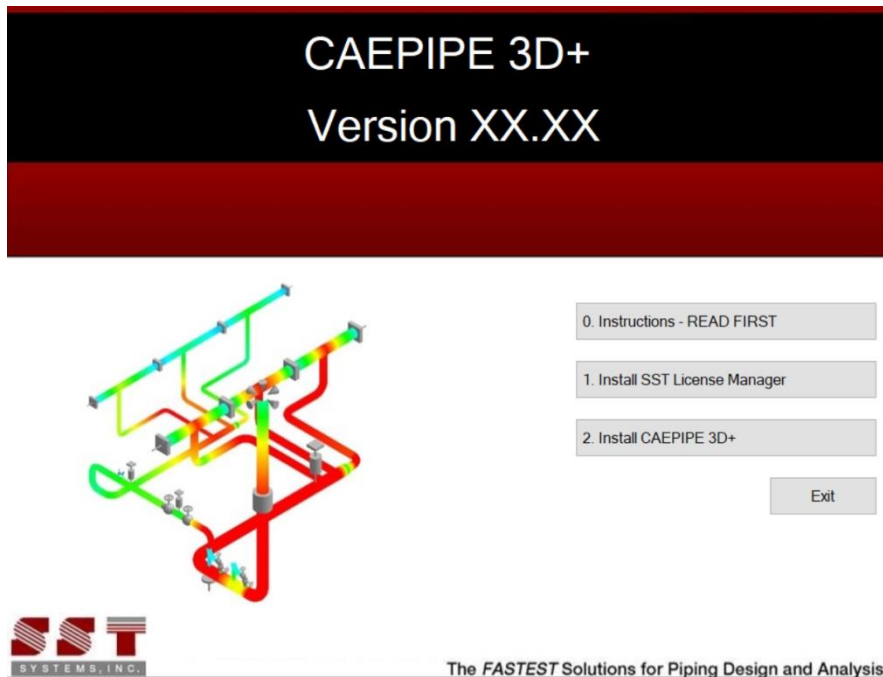


- Click the Close button to complete the process.

B-3. Install SST Client Software on each client machine

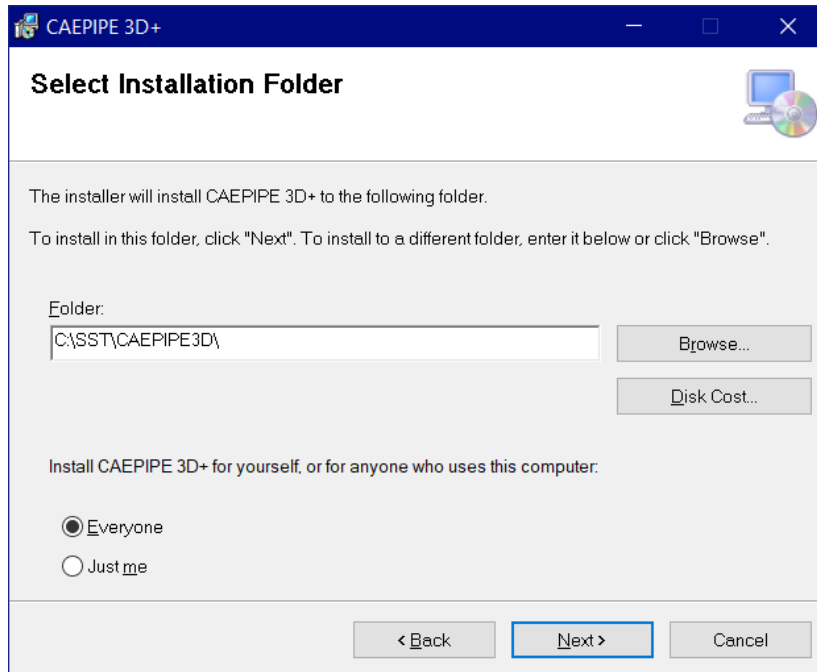
DO NOT INSTALL SST LICENSE MANAGER ON ANY CLIENT MACHINES.

- Click “2. Install <Name of Client Software>” from the setup menu and follow the installation instructions to install the Client software.

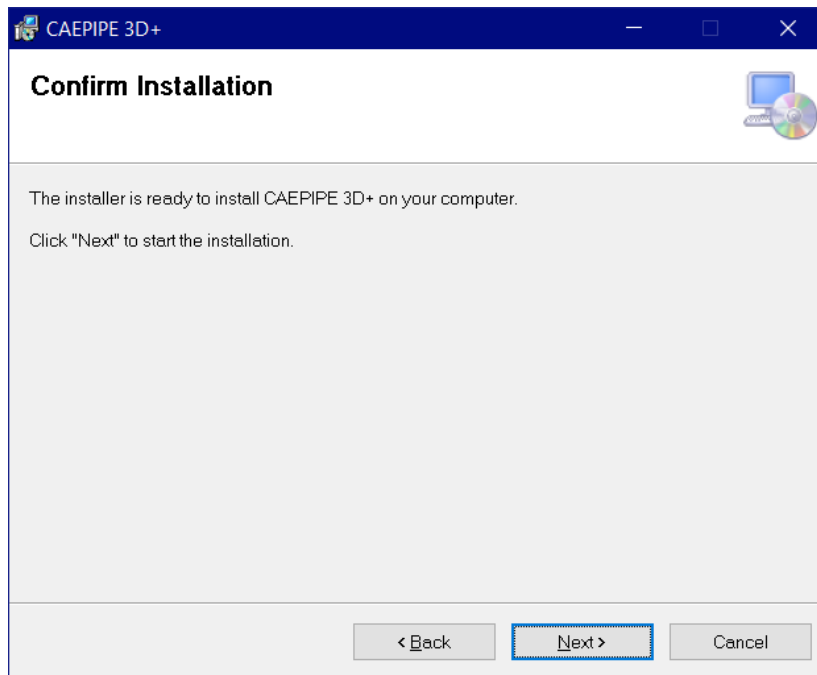


- If changing the default directory folder path, avoid using spaces or special characters (correct format shown in example below).

- Change the user access option at the bottom of the next screen from “Just me” to “Everyone”. Click Next to select installation folder shown.



- Click Next to confirm installation.



- Click Close to finish the installation.

B-4. Additional Settings for SST Client Software

Check Additional Environment Variables Chart

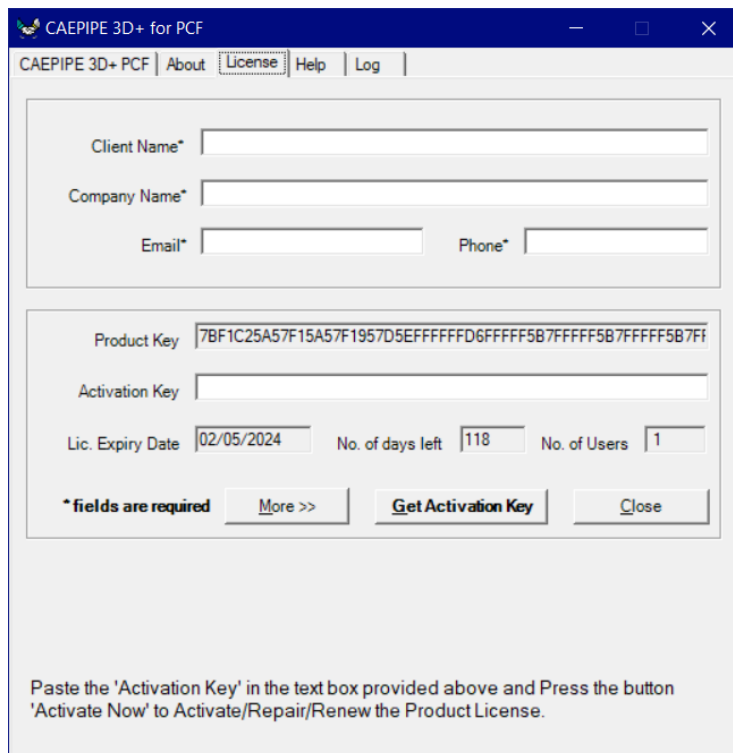
- Navigate to the **Section D** of these instructions and review the chart titled **Additional Environment Variables** to see if the software you installed needs additional installation steps to finalize your installation. Follow instructions in your software's Plant Design Settings Reference Manual to complete any additional installation steps required. (See item below for location of software documentation).

Review Client Software Documentation Chart

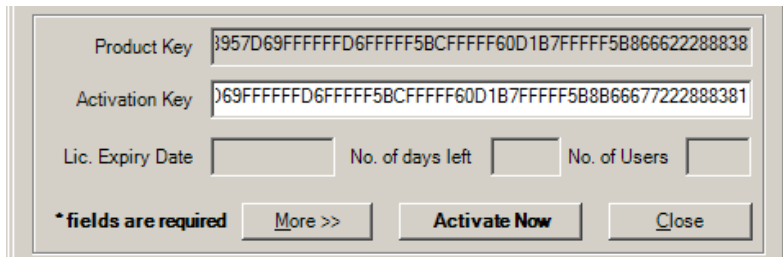
- Navigate to **Section D** of these instructions and review the chart titled Client Software Documentation to locate your installed software documentation.

B-5. Requesting Activation of SST Client Software

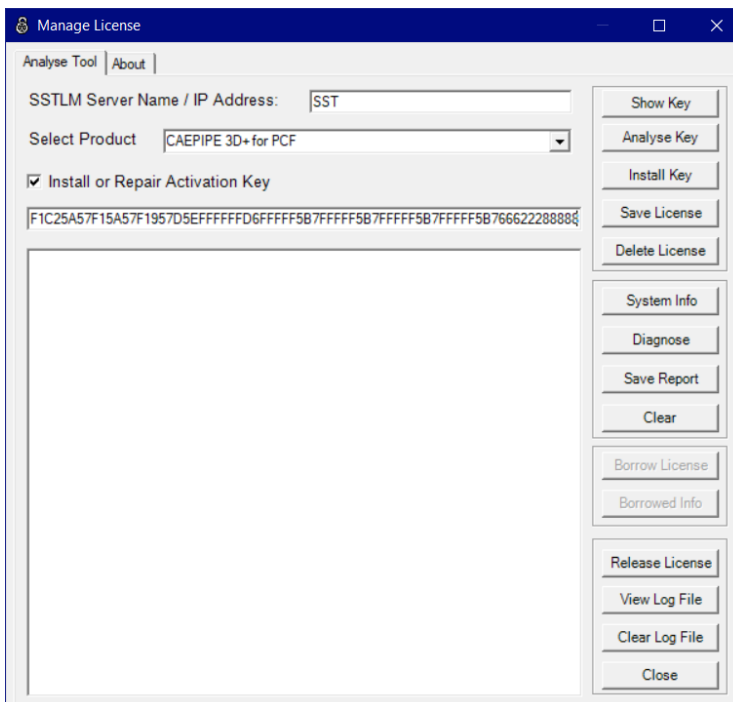
- If SST Client Software is not open, run/open the installed SST Client Software from your Windows Start menu or installation directory. When you start the SST Client Software or begin to use it, an activation dialog box will open. (An example, "CAEPIPE 3D+ PCF" Activation dialog is shown below.)



- Fill out the client information portion at the top of the dialog box.
- Email your request by clicking on the "More" button and then "Send email" button. You may also copy and paste the ENTIRE product key (which is longer than the width of the visible Product Key field) into an email and send it to activation@sstusa.com. If you are located in India, please email your information to sales@sstindia.co.in.
- You will receive an Activation Key by email to the email address entered in the client information area.
- Once the Activation Key from SST is received, launch the SST Client Software again and copy the ENTIRE Activation Key into the Activation Key field and click on "Activate Now" (see below).



- Click Close. This completes the activation process and provides full functionality of the client software.
- Alternatively, Activation can also be performed through Manage License Tool as given below, if you are using SSTLM Version 8.00 or Later.
 - Launch “Manage License” tool through Start > SST License Manager in the machine where the SSTLM is installed.
 - Select the Name of the Product from the list.
 - Turn ON the option “Install or Repair Activation Key”.
 - Paste the “Activation Key” received in the text box below the option “Install or Repair Activation Key”.
 - Press the button “Install Key” to activate the product.



Notes:

- Pressing the button “Get Activation Key” will show an error message as given below as automatic key generation through automated server is disabled.



OR



- Refer to **Section C** of this document for Troubleshooting when you receive any errors.

Section C: Troubleshooting

Basic troubleshooting instructions are given below in this document. Refer to SSTLM User's Manual available in SSTLM installation directory for additional troubleshooting help.

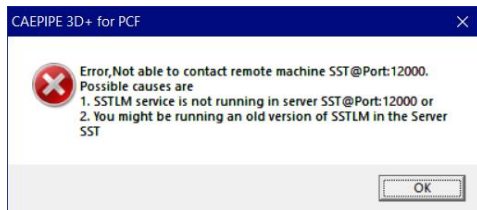
SSTLM Environmental Variable not set

If you get an error message "SSTLM Environmental Variable not set" as shown below while launching the client software such as "CAEPIPE 3D+", CAEPIPE, checkSTRESS, etc. then ensure that "SSTLM" variable is defined in the machine where the client software is running. If not, then set the Environmental variable as detailed in Section titled "B-1. Create Environment Variables" under Section B above. If already set then restart the machine for the Windows to update the variable defined.



SSTLM service is not running in Server

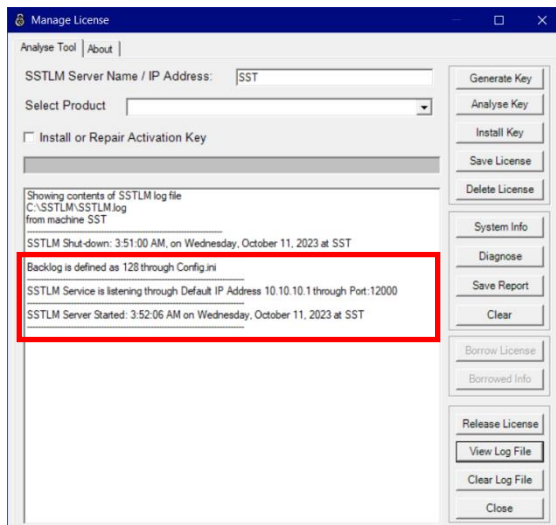
If you get an error message "SSTLM service is not running in Server" as shown below while running the software such as CAEPIPE 3D+, CAEPIPE, checkSTRESS, etc. then ensure that SSTLM service is running in the machine where the SST License Manager is installed as detailed below.



Procedure for checking whether the SSTLM Service is running. In the below example, it is assumed that SSTLM Software is installed in the machine with name "SST".

Step 1: Launch "Manage License" tool through Start > SST License Manager and click the button "View Log File". This will show the Default Port and IP Address through which the Service is running. If you see the IP Address is shown as "127.0.0.1" then it means that SSTLM Service is running in Loop back adapter. So, restarting the SSTLM Service through Windows Services app will resolve the issue. After restarting, launch the client program again. If the issue is still not resolved then follow Step 2 through Step 4 given below.

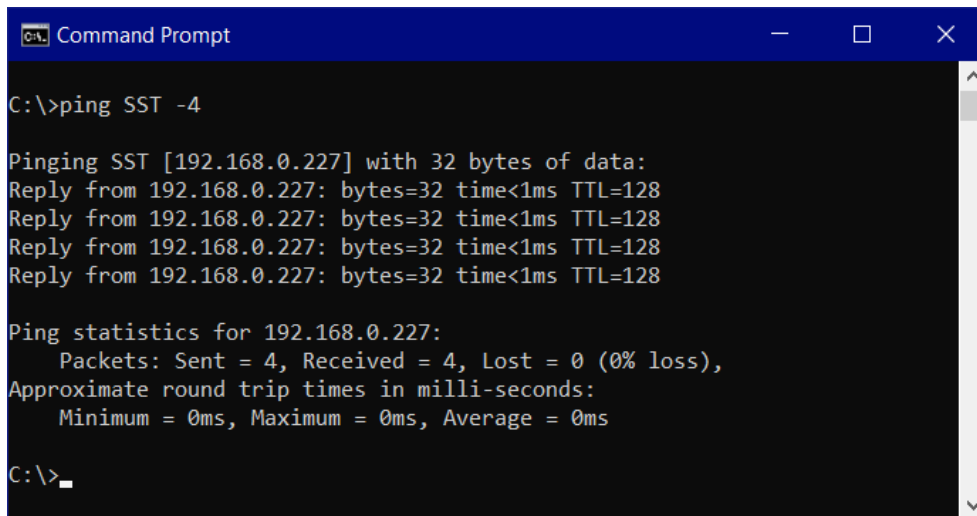
Step 2: Launch "Manage License" tool again through Start > SST License Manager and click the button "View Log File". This will show the current Port and IP Address through which the Service is running. As an example, from the log file shown below, it is to be noted that the SSTLM is started and is running through IP Address 10.10.10.1.



Step 3: Launch “Command Prompt” app (Windows Shell) and type the command as shown below and press enter.

“Ping <Name of the Computer> -4”. For example, “ping SST -4” assuming the name of the computer as “SST”.

From the results, you will observe that the IP Address of the Network Adapter is different from the IP Address of the Network Adapter where the SSTLM Service is running (seen above through “View Log File”). This happens when you have more than one (1) Network Adapter in the machine where the SSTLM Service is running.



```
C:\>ping SST -4

Pinging SST [192.168.0.227] with 32 bytes of data:
Reply from 192.168.0.227: bytes=32 time<1ms TTL=128
Reply from 192.168.0.227: bytes=32 time<1ms TTL=128
Reply from 192.168.0.227: bytes=32 time<1ms TTL=128
Reply from 192.168.0.227: bytes=32 time<1ms TTL=128

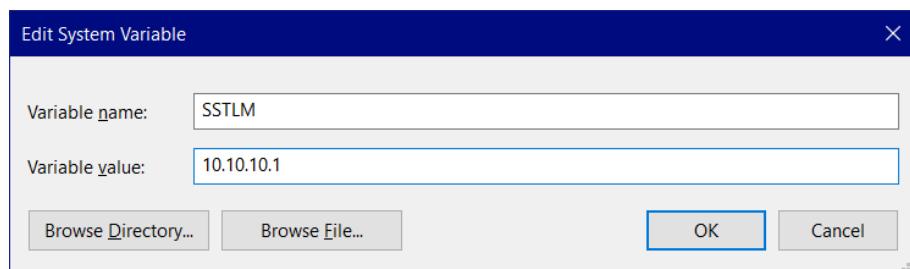
Ping statistics for 192.168.0.227:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 0ms, Average = 0ms

C:\>_
```

Step 4: Now, to resolve the issue, you have the following two (2) options. Please note, the Options given below require assignment of Static IP addresses to the Network Adapters. In the above example, you may note that the Static IP Addresses are already assigned to the Network Adapters.

Option 1:

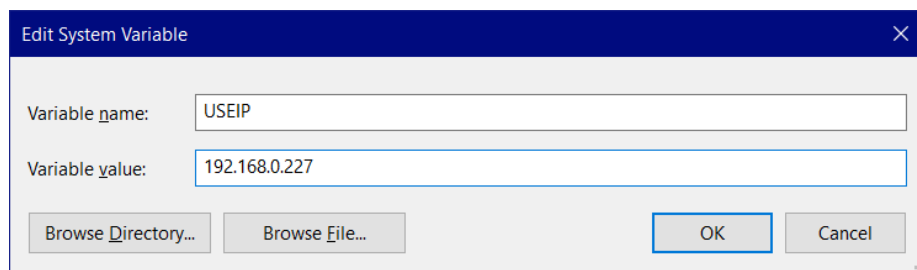
Change the value of the Environment Variable “SSTLM” as the “IP Address” in which the SSTLM Service is running. For the above example, SSTLM is running in IP Address “10.10.10.1”. So, enter the value as “10.10.10.1” instead of the machine name “SST”.



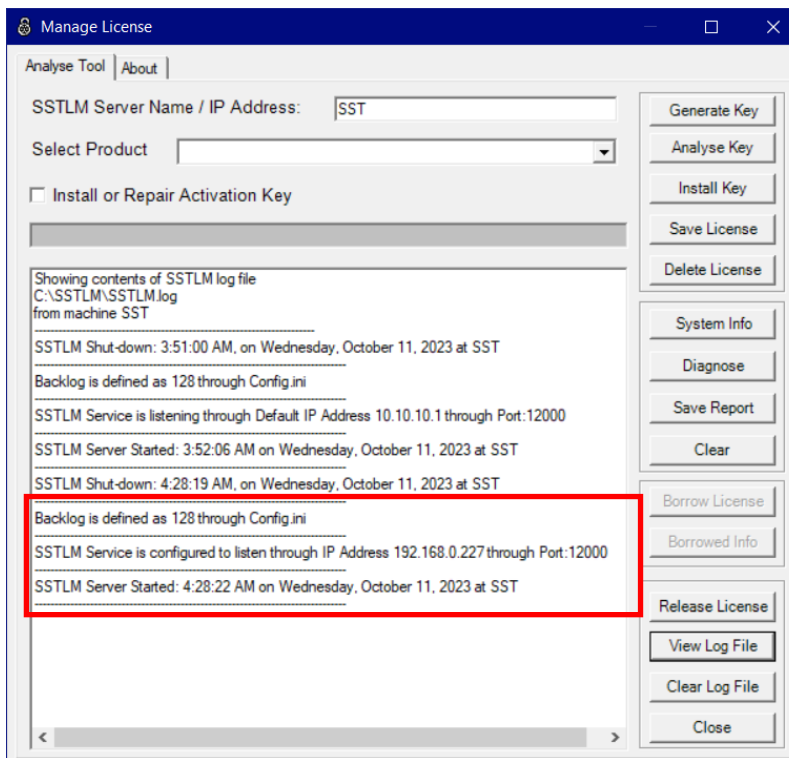
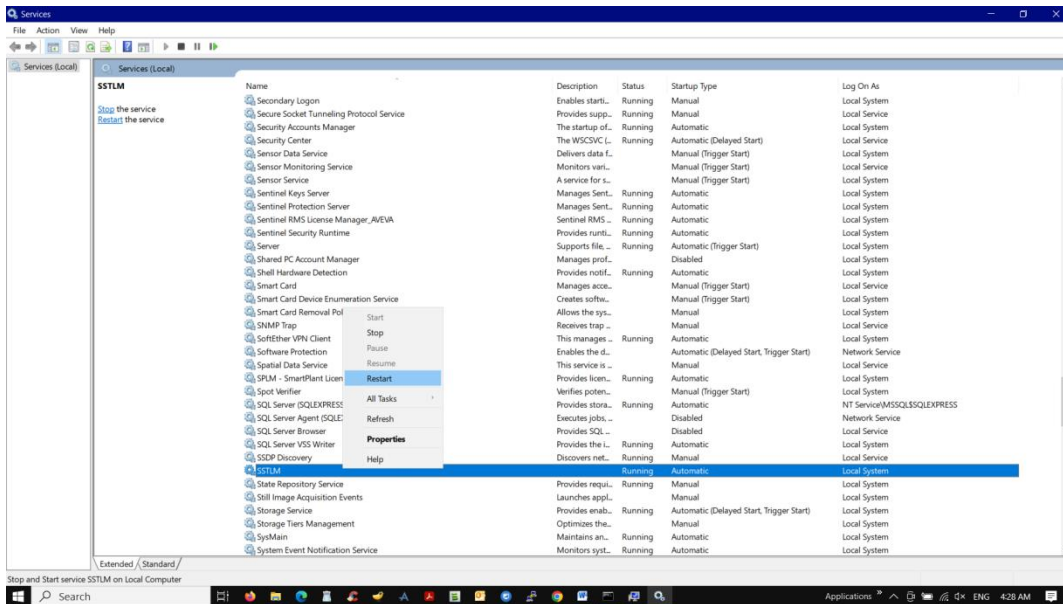
Option 2:

Force the SSTLM Service to listen through the IP Address 192.168.0.227 as given below.

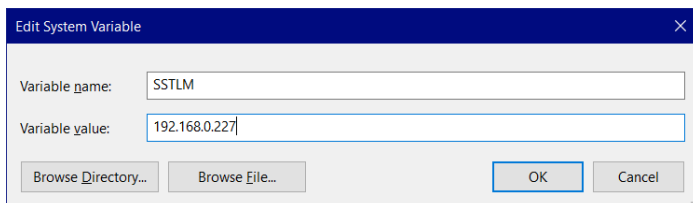
(a) Define an Environmental Variable with name “USEIP” with its value as “192.168.0.227” as shown below.



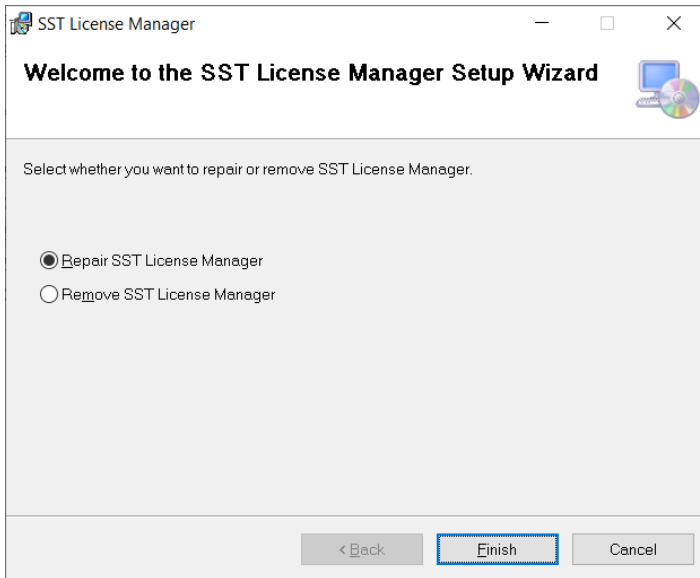
- (b) Restart the SSTLM Service through Windows Services. After restarting, launch “Manage License” tool and press the button “View Log File” and confirm the SSTLM Service is listening through the IP configured as shown below.



- (c) Now update the Environmental Variable “SSTLM” with its value to be “192.168.0.227” instead of “SST” as shown below.



1. If you get a ".NET Framework not installed" message, or if you run into any other problems not covered by these instructions, then please visit our website for a list of troubleshooting solutions and downloads:
<http://www.sstusa.com/universal-troubleshooting.php>
2. If SST License Manager Software is already installed on your machine, the dialog windows shown below will appear instead of the one mentioned above. Click the button to "Cancel" to interrupt the installation.



Section D: Additional Variables.

D-1. Additional Environment Variables Chart – see if your installed software applies.

You may need to create an additional Environment Variable (if your software appears on this list) in order for your software to function correctly. Refer to the (.pdf) documentation of your installed program (Plant Design Settings Reference Manual).

Sl. No.	Product Description	Environmental Variable Name	Environmental Variable Value
1.	checkSTRESS PDMS	checkSTRESS_PDMS	checkSTRESS PDMS Installation path
2.	checkSTRESS PDS	checkSTRESS_PDS	checkSTRESS PDS Installation path
3.	checkSTRESS CADMATIC	checkSTRESS_CADMATIC	checkSTRESS CADMATIC Installation path
4.	checkSTRESS PCF	checkSTRESS_PCF	checkSTRESS PCF Installation path
5.	checkSTRESS II PDMS	checkSTRESS_PDMS	checkSTRESS II PDMS Installation path
6.	checkSTRESS II PDS	checkSTRESS_PDS	checkSTRESS II PDS Installation path
7.	checkSTRESS IICADMATIC	checkSTRESS_CADMATIC	checkSTRESS II CADMATIC Installation path
8.	checkSTRESS II PCF	checkSTRESS_PCF	checkSTRESS II PCF Installation path
9.	checkSTRESS Nuke PDMS	checkSTRESS_PDMS	checkSTRESS Nuke PDMS Installation path
10.	checkSTRESS Nuke PDS	checkSTRESS_PDS	checkSTRESS Nuke PDS Installation path
11.	checkSTRESS Nuke CADMATIC	checkSTRESS_CADMATIC	checkSTRESS Nuke CADMATIC Installation path
12.	checkSTRESS Nuke PCF	checkSTRESS_PCF	checkSTRESS Nuke PCF Installation path
13.	HOTclash PDMS	HOTclash_PDMS	HOTclash PDMS Installation path
14.	HOTclash CADMATIC	HOTclash_CADMATIC	HOTclash CADMATIC Installation path
15.	CADMATIC to CAEPIPE	CADMATIC2CAEPIPE	CADMATIC to CAEPIPE Installation path
16.	CADMATIC to CAESAR II	CAD2CII	CADMATIC to CAESAR II Installation path
17.	CAEPIPE 3D+	CAEPIPE3D	CAEPIPE3D+ Installation path

D-2. Client Software Documentation Chart – read all (.pdf) documentation files.

This documentation gives detailed insight on the functionality and operation of SST's software as well as customization and troubleshooting techniques. The (.pdf) documentation files can be located in your software's installed directory under Programs Files in Windows.

Sl. No.	Product Description	Plant Design Settings Reference Manual	Product User's Manual(s)
1.	checkSTRESS PDMS	checkSTRESSPDMS.pdf	checkSTRESS.pdf
2.	checkSTRESS PDS	checkSTRESSPDS.pdf	checkSTRESS.pdf
3.	checkSTRESS CADMATIC	checkSTRESSCADMATIC.pdf	checkSTRESS.pdf
4.	checkSTRESS PCF	checkSTRESSPCF.pdf	checkSTRESS.pdf
5.	checkSTRESS II PDMS	checkSTRESSPDMS.pdf	checkSTRESS.pdf & CIIModel.pdf
6.	checkSTRESS II PDS	checkSTRESSPDS.pdf	checkSTRESS.pdf & CIIModel.pdf
7.	checkSTRESS II CADMATIC	checkSTRESSCADMATIC.pdf	checkSTRESS.pdf & CIIModel.pdf
8.	checkSTRESS II PCF	checkSTRESSPCF.pdf	checkSTRESS.pdf & CIIModel.pdf

Sl. No.	Product Description	Plant Design Settings Reference Manual	Product User's Manual(s)
9.	checkSTRESS Nuke PDMS	checkSTRESSPDMS.pdf	checkSTRESS.pdf & PSModel.pdf
10.	checkSTRESS Nuke PDS	checkSTRESSPDS.pdf	checkSTRESS.pdf & PSModel.pdf
11.	checkSTRESS Nuke CADMATIC	checkSTRESSCADMATIC.pdf	checkSTRESS.pdf & PSModel.pdf
12.	checkSTRESS Nuke PCF	checkSTRESSPCF.pdf	checkSTRESS.pdf & PSModel.pdf
13.	HOTclash PDMS	HOTclashPDMS.pdf	HOTclash.pdf
14.	HOTclash CADMATIC	HOTclashCADMATIC.pdf	HOTclash.pdf
15.	PDMS to CAEPIPE	PDMS.pdf	PD2CAEPIPE.pdf
16.	PDS to CAEPIPE	PDS.pdf	PD2CAEPIPE.pdf
17.	CADMATIC to CAEPIPE	CADMATIC.pdf	PD2CAEPIPE.pdf
18.	PCF to CAEPIPE	PCF.pdf	PD2CAEPIPE.pdf
19.	Tribon to CAEPIPE	Tribon.pdf	PD2CAEPIPE.pdf
20.	AutoPLANT to CAEPIPE	AutoPLANT.pdf	PD2CAEPIPE.pdf
21.	CATIA to CAEPIPE	CATIA.pdf	PD2CAEPIPE.pdf
22.	PDMS to CAESAR II	PDMS.pdf	PD2CII.pdf
23.	PDS to CAESAR II	PDS.pdf	PD2CII.pdf
24.	CADMATIC to CAESAR II	CADMATIC.pdf	PD2CII.pdf
25.	PCF to CAESAR II	PCF.pdf	PD2CII.pdf
26.	Tribon to CAESAR II	Tribon.pdf	PD2CII.pdf
27.	AutoPLANT to CAESAR II	AutoPLANT.pdf	PD2CII.pdf
28.	CATIA to CAESAR II	CATIA.pdf	PD2CII.pdf
29.	PDMS to STAAD.Pro	PDMS.pdf	PD2STPRO.pdf
30.	CADMATIC to STAAD.Pro	CADMATIC.pdf	PD2STPRO.pdf
31.	STAAD.Pro to PDMS	-	STPRO2PDMS.pdf
32.	3D DXF to PDMS	-	DXF2PDMS.pdf
33.	STL to PDMS	-	STL2PDMS.pdf
34.	CAEPIPE to PIPESTRESS	-	CPTOPS.pdf
35.	CAEPIPE to CAESAR II	-	KP2CII.pdf
36.	CAEPIPE 3D+	-	CAEPIPE3D.pdf