## **Environment variables**

You can set the environment variables listed in the table below as needed. Note that the environment variables available to you may be limited depending on whether your vendor has allowed their use as part of your software license.

All environment variables are undefined by default, and can be defined by setting the value to a number greater than 0, for example, 1. Any additional details on variable values are given in the Value column below.

Important: You must restart the client for changes to environment variables to take effect.

Variable name	Value	Description
VENDOR_LICE NSE_PATH or LMX_LICENSE _PATH	The path to one or more LM-X managed licenses.  For example: LMX_LICENSE_PATH=6200@ server1	This environment variable lets you set the path to the license file.  You may specify a particular vendor using VENDOR_LICENSE_PATH, where VENDOR is the name of the application vendor, as specified in the license file. LMX_LICENSE_PATH is a generic environment variable used by all applications protected by LM-X.  See Search paths for information on how an LM-X application searches for licenses.  You can set the license path using the LM-X End-user Configuration tool. Adding or removing license files from the path using the LM-X End-user Configuration tool, or manually.
VENDOR_AUT OMATIC_SERV ER_DISCOVERY  or LMX_AUTOMA TIC_SERVER_ DISCOVERY	A string that can be set to 1 (or any other integer) to enable running an automatic server discovery.  For example: LMX_AUTOMATIC_SERVER_ DISCOVERY=1	When this environment variable is set, automatic server discovery is enabled. You may specify a particular vendor using VENDOR_AUTOMATIC_SERVER_DISCOVERY, where VENDOR is the name of the application vendor, as specified in the license file.  LMX_AUTOMATIC_SERVER_DISCOVERY is a generic environment variable used by all applications protected by LM-X.  You can set this environment variable in the same manner as described in Adding license files to the path manually.
VENDOR_AUT OMATIC_SERV ER_DISCOVER Y_SERVER OF LMX_AUTOMA TIC_SERVER_ DISCOVERY_S ERVER	A string that can be set to 1 (or any other integer) to enable running an automatic server discovery within a client.  For example: LMX_AUTOMATIC_SERVER_ DISCOVERY_SERVER=1  To disable automatic server discovery, unset the environment variable.  For example: LMX_AUTOMATIC_SERVER_ DISCOVERY_SERVER=	When this environment variable is set in combination with LMX_AUTOMATIC_SERVER_DISCOVERY (described above), the client will start responding to automatic server discovery requests issued by other clients. This enables the client to relay information about another server, thereby acting as a proxy.  Only one Automatic Server Discovery server (either a license server or one client acting as a server) can be active at one time on one machine. This is handled automatically.  Example: You may have a license server over the Internet and several clients on a local network. In this situation, the first client can enable the broadcast server and the other clients on the same local network will get the server address from the client machine instead of manually setting the server address. For example:  1. Client A has enabled the LMX_AUTOMATIC_SERVER_DISCOVERY and LMX_AUTOMATIC_SERVER_DISCOVERY server A is located on a remote network, where automatic server discovery is not working due to firewall restrictions. 3. Client B requests automatic server discovery to check out the Vendor A software. 4. Client A gets the automatic server discovery request from Client B, and manually sets the address of the server, and then Client B gets the server information from Client A. You may specify a particular vendor using VENDOR_AUTOMATIC_SERVER_DISCOVER Y_SERVER_DISCOVER Y_SERVER, where VENDOR is the name of the application vendor, as specified in the license file. LMX_AUTOMATIC_SERVER_DISCOVERY_SERVER is a generic environment variable used by all applications protected by LM-X.  You can set this environment variable in the same manner as described in Adding license files to the path manually.
VENDOR_BOR ROW or LMX_BORROW	The desired number of hours to allow license borrowing, from 1 - 8760.  or <0 (e.g., -1) to allow early checkin of borrowed licenses.  Examples: To set the borrow limit to 2 days:  LMX_BORROW=48 To allow early checkin:  LMX_BORROW=-1	Setting this environment variable to a number greater than 0 sets the number of hours for license borrowing.  Setting this environment variable to a number less than 0 enables early return of borrowed licenses.  You may specify a particular vendor using VENDOR_BORROW, where VENDOR is the name of the application vendor, as specified in the license file. LMX_BORROW is a generic environment variable used by all applications protected by LM-X.  You can set this environment variable in the same manner as described in Adding license files to the path manually.

LMX_BORROW_FORCE_RET   URN = 1   U			
LMX_BORROW_FORCE_RET   URN = 1   U	ROW_FORCE_	enable forcing a borrow return.	feature will be returned on the client side, even if there is no connection with the license server.
Caution: Use this variable carefully, because it can create an inconsistency between the client are the license server.  LMX_RANDOM A string that can be set to enable using a random path. For example: LMX_RANDOMIZE_PATH=1  VPNDOR_EXT FOR example: LMX_RANDOMIZE_PATH=1  The path to the extended client-side log, which contains information about all client activity.  You can set this environment variable in the same manner as described in Adding license files to the path manually.  You may specify a particular vendor using VENDOR_EXTENDEDLOG, where VENDOR is the name of the applications protected by LMX_EXTENDEDLOG is a general content of the path name and the path and filename for the extended client-side log, which contains information about all client activity.  You may specify a particular vendor using VENDOR_EXTENDEDLOG, where VENDOR is the name of the application vendor, as specified in the license file. LMX_EXTENDEDLOG is a general content of the path name of the application vendor, as specified in the license files to the path name of the application vendor, as specified in the license file. LMX_EXTENDEDLOG is a general content of the path name of the application vendor, as specified in the license files to the path name of the application vendor, as specified in the license files to the path name of the application vendor using VENDOR_EXTENDEDLOG, where VENDOR is the name of the application vendor using VENDOR_CONNECTION_TIMEOUT = 10  VENDOR_PRO LIMX_CONNECTION_TIMEOUT = 10  A string specifying a project name.  Or converted to the path name of the path na	LMX_BORROW _FORCE_RET	LMX_BORROW_FORCE_RET	You may specify a particular vendor using VENDOR_BORROW_FORCE_RETURN, where VEND OR is the name of the application vendor, as specified in the license file.LMX_BORROW_FORCE _RETURN is a generic environment variable used by all applications protected by LM-X.
enable using a random path. For example: LMX_RANDOMIZE_PATH=1  VENDOR_EXT ENDEDLOG  Image: LMX_RANDOMIZE_PATH=1  VENDOR_EXT ENDEDLOG  Image: LMX_EXTEND EDLOG  LMX_EXTEND EDLOG  LMX_EXTENDEDLOG=C.LLM XLMY_LM*. Log_Directory/client.log  LMX_EXTENDEDLOG=C.LLM XLMY_LM*. Log_Directory/client.log  VENDOR_CON Image: LMX_EXTENDEDLOG=C.LLM XLMY_LOG_Directory/client.log  VENDOR_CON IMAGE: LMX_EXTENDEDLOG=C.LLM XLMY_LOG_Directory/client.log  VENDOR_CON IMAGE: LMX_EXTENDEDLOG=C.LLM XLMY_LOG_Directory/client.log  VENDOR_CON IMAGE: LMX_EXTENDEDLOG=C.LLM XLMY_CONNECTION_TIME EDLOT  IMAGE: LMX_EXTENDEDLOG=C.LLM XLMY_CONNECTION_TIMEOUT  LMX_CONNECTION_TIMEOUT  LM		URIN = 1	Caution: Use this variable carefully, because it can create an inconsistency between the client and the license server.
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ENDEDLOG or LMX_EXTEND EDLOG			You can set this environment variable in the same manner as described in Adding license files to the path manually.
EMX_EXTEND EDLOG  For example: LMX_EXTENDEDLOG=C:LM-XMy_LM-X_Log_Directory/client.log  Vender Con X_Log_Directory/client.log  Vender Con X_Log_Directory/client.log  Vender Con X_Log_Directory.  The desired number of seconds, from 1 - unlimited. The default value is 30.  VENDOR_CON MECTION_TIME EOUT  ON CONNECT TION_TIMEOUT  For example: LMX_CONNECTION_TIMEOUT  For example: LMX_CONNECTION_TIMEOUT  Vender Con X_Log_Directory.  A string specifying a project name.  Vender Con X_Log_Directory.  A string specifying a project name.  Vender Con X_Log_Directory.  A string that can be set to enable license queuing.  Or LMX_QUEUE  This environment variable enables license queuing.  This environment variable in the same manner as described in Adding license files to the path manually.  You can set this environment variable in the same manner as described in Adding license files to the application wendor, as specified in the license file.  LMX_CONNECTION_TIMEOUT is a generic environment variable used by all applications protected by LM-X.  You can set this environment variable lets you set a project name for which all or vendor-specific LM-X licensed applications are being used. The project name is reported in imxendutil-licistat. (See LM X End-user utility.)  This lets you track for what purpose the application was used. For example, an application may the projects the application was used for can help with accurate cost splitting amongst the projects.  Vender Con example: LMX_QUEUE  LMX_QUEUE  A string specifying a path.  This environment variable in the same manner as described in Adding license files to the path manually.  This environment variable lets you specify the directory to be used for temporary files.	ENDEDLOG		
Important: Using extended logging delays checkouts up to 15 seconds, because it gather more information about environment than when using normal logging.  You can set this environment variable in the same manner as described in Adding license files to the path manually.  The desired number of seconds, from 1 - unlimited. The default value is 30.  The desired number of seconds, from 1 - unlimited. The default value is 30.  For example:  IMX_CONNECTION_TIMEOUT  For example:  IMX_CONNECTION_TIMEOUT  IMX_CO	LMX_EXTEND	LMX_EXTENDEDLOG=C:\LM- X\My_LM-	name of the application vendor, as specified in the license file. LMX_EXTENDEDLOG is a generic
WENDOR_CON   NECTION_TIME   Seconds, from 1 - unlimited. The default value is 30.   This environment variable lets you adjust the connection timeout setting. The default value is 30.   For example: LMX_CONNECTION_TIMEOUT = 10   This environment variable used by default unless you set it to a different value using this environment variable in the same in the illustration of the connection timeout setting. The sending is set to 30 seconds by default unless you set it to a different value using this environment variable is set to 30 seconds by default unless you set it to a different value using this environment variable is set to 30 seconds by default unless you set it to a different value using this environment variable is set to 30 seconds by default unless you set it to a different value using this environment variable used by all environment variable used to the client can wait up to 60 seconds before timeout.    This environment variable in the same manner as described in Adding license files to the path manually.			Important: Using extended logging delays checkouts up to 15 seconds, because it gathers more information about environment than when using normal logging.
NECTION_TIME			You can set this environment variable in the same manner as described in Adding license files to the path manually.
Increasing the timeout value can be useful for highly loaded networks. For example; If you set LMX_CONNECTION_TIMEOUT = 60, the client can wait up to 60 seconds before timeout.   You may specify a particular vendor using VENDOR_CONNECTION_TIMEOUT, where VENDO is the name of the application vendor, as specified in the license file.  LMX_CONNECTION_TIMEOUT is a generic environment variable used by all applications protected by LM-X.  You can set this environment variable in the same manner as described in Adding license files to the path manually.  VENDOR_PRO JECT or LMX_PROJECT  ILMX_PROJECT  Or LMX_PROJECT  Or example:  LMX_PROJECT  Or ex	NECTION_TIM EOUT	seconds, from 1 - unlimited.	
You may specify a particular vendor using VENDOR_CONNECTION_TIMEOUT, where VENDOR is the name of the application vendor, as specified in the license file.  LMX_CONNECTION_TIMEOUT is a generic environment variable used by all applications protected by LM-X.  You can set this environment variable in the same manner as described in Adding license files to the path manually.  VENDOR_PRO JECT or LMX_PROJECT  IF or example:  LMX_PROJECT=Doorlatch_Design  For example:  LMX_PROJECT=Doorlatch_Design  A string that can be set to enable license queuing.  For example:  LMX_QUEUE  A string that can be set to enable license queuing.  For example:  LMX_QUEUE=1  This environment variable enables license queuing for all checkout requests.  You may specify a particular vendor using VENDOR_QUEUE, where VENDOR is the name of the application vendor, as specified in the license file. LMX_QUEUE is a generic environment variable used by all applications protected by LM-X.  This environment variable enables license queuing for all checkout requests.  You may specify a particular vendor using VENDOR_QUEUE, where VENDOR is the name of the application vendor, as specified in the license file. LMX_QUEUE is a generic environment variable used by all applications protected by LM-X.  TMPDIR  A string specifying a path.  This system environment variable lets you specify the directory to be used for temporary files.	LMX_CONNEC	LMX_CONNECTION_TIMEOUT	
the path manually.  VENDOR_PRO JECT or LMX_PROJECT  For example: LMX_PROJECT=Doorlatch_De sign  This lets you track for what purpose the application was used. For example, an application may tused for three different projects being run under different departments. Tracking which of the three projects the application was used for can help with accurate cost splitting amongst the projects.  VENDOR_QUE UE OF LMX_PROJECT=Doorlatch_De sign  A string that can be set to enable license queuing. OF LMX_QUEUE  For example: LMX_QUEUE  For example: LMX_QUEUE=1  This environment variable enables license queuing for all checkout requests. You may specify a particular vendor using VENDOR_QUEUE, where VENDOR is the name of the application vendor, as specified in the license file. LMX_QUEUE is a generic environment variable used by all applications protected by LM-X.  You can set this environment variable lets you specify the directory to be used for temporary files.			LMX_CONNECTION_TIMEOUT is a generic environment variable used by all applications
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the path manually.  TMPDIR A string specifying a path. This system environment variable lets you specify the directory to be used for temporary files.			application vendor, as specified in the license file. LMX_QUEUE is a generic environment variable
			You can set this environment variable in the same manner as described in Adding license files to the path manually.
	TMPDIR	A string specifying a path.	This system environment variable lets you specify the directory to be used for temporary files.
For example:  You can set TMPDIR before running your LM-X licensed application if you know in advance that you will not have access to /tmp directory.		For example: TMPDIR=/var/tmp	You can set TMPDIR before running your LM-X licensed application if you know in advance that you will not have access to /tmp directory.
TMPDIR affects UNIX platforms only.			TMPDIR affects UNIX platforms only.