

GateKeeper v3 (PUD3907 Version 3.0)

Turnstile Monitoring Software



Installation Guide

Alvarado Manufacturing Company, Inc.

12660 Colony Street, Chino, CA 91710 Phone: +1 (909) 591-8431 Fax: +1 (909) 628-1403 support@alvaradomfg.com www.alvaradomfg.com This page intentionally left blank.

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Preface

Document Overview

This document instructs qualified personnel how to install and configure Alvarado's GateKeeper software. Qualified personnel include IT personnel and anyone else who has experience working with Windows and SQL. After completing this guide, GateKeeper will be ready for use.

This guide only covers installation and initial configuration. For more information on using the GateKeeper application, refer to the *GateKeeper User Guide*. Contact Alvarado Technical Support for a copy.

Before You Begin

The GateKeeper host machine requires third-party software be installed prior to beginning this installation process. This guide lists the required configuration settings for this software when applicable, but installing and configuring this software beyond what is required to run GateKeeper is beyond the scope of this guide.



This guide uses screenshots taken on a **Windows 10** computer using **SQL Server 2019 Express** edition. There may be visual differences when installing GateKeeper on other operating systems and SQL versions, but the overall process remains the same.

Minimum Host Computer Requirements

Operating System:	Windows 7 Professional or Windows Server 2008 R2
CPU:	1.4 GHz, 64-bit
RAM:	2 GB
Available Disk Space:	20 GB

IMPORTANT) You must have **Administrator** privileges on your computer to complete the installation.

Minimum Software Prerequisites

The software versio0ns indicated below are the minimum versions required for GateKeeper, but GateKeeper will work with higher software versions as well. Ensure all required software is installed on your host computer before you begin the GateKeeper installation process. See below for instructions on configuring these applications specifically for use with GateKeeper.

- .NET Framework 4.0
- Web Deploy 3.0
- IIS Roles 7.0

Required Files

You must have access to these files on your host machine before beginning the installation process.

• SQL Server or SQL Server Express installer (.exe file available from Microsoft)

NOTE) GateKeeper will work with SQL version 2008 R2 or higher.

- SQL Server Management Studio installer (.exe file available from Microsoft)
- GateKeeperWeb.zip file (provided by Alvarado)

Initial Software Configuration

Enable IIS Roles

- 1. Click Start and begin typing Turn Windows features on or off.
- 2. Click **Turn Windows features on or off** when it appears. The *Windows Features* box will open and load a list of features. It may take some time for the list to load.

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	,∕ ti	urn windo	ws features o	n or off					
#	Q								

- 3. Click the + next to Internet Information Services to expand the folder.
- Expand the subfolders and check the box for the bolded features shown below. Internet Information Services
 - Web Management Tools
 - IIS Management Console
 - World Wide Web Services
 - Application Development Features
 - .NET Extensibility*
 - ASP.Net*
 - ISAPI Extensions
 - ISAPI Filters
 - Common HTTP Features
 - Default Document
 - Directory Browsing
 - Static Content
 - Health and Diagnostics
 - HTTP Logging
 - Request Monitor
 - Performance Features
 - Static Content Compression
 - Security
 - Request Filtering
- * Check the box for each version of .NET you have installed.
- 5. Click **OK**. It may take several minutes for the change to apply. The *Windows Features* box will close automatically when the change is applied.

Windows completed the requested changes.	
	Ck.



6.

Click Close.

- 1. Verify IIS is working properly.
 - a. Open a web browser.
 - b. Type http://localhost into the address bar and press Enter.
 - c. Verify the browser displays the IIS screen, shown below.



Install and Configure SQL

This section describes how to install a new version of **SQL Server 2019 Express** and configure it for use with GateKeeper. Other versions of SQL (2008 R2, 2012, etc.) may appear different, but the overall process remains the same.

- 1. Run the SQL installer.
- 2. Click Basic.



- 3. Click Accept to accept the license terms.
- 4. Leave the *INSTALL LOCATION* set to the default value and click **Install**. Wait for the installation to complete. It may take several minutes to complete the installation.

5. Click Customize.

INSTANCE NAME	CONNECTION STRING
SQLEXPRESS	Server=localhost\SQLEXPRESS;Database=master;Trusted_Connection=True
SQL ADMINISTRATORS	SQL SERVER INSTALL LOG FOLDER
DDC\bohannda	C:\Program Files\Microsoft SQL Server\150\Setup Bootstrap\Log\2021110
FEATURES INSTALLED	INSTALLATION MEDIA FOLDER
SQLENGINE	C\SQL2019\Express_ENU
VERSION	INSTALLATION RESOURCES FOLDER
15.0.2000.5, RTM	C\Program Files\Microsoft SQL Server\150\SSEf\Resources

- 6. Leave settings set to default and click **Next** until you get to the *Instance Configuration* screen.
- 7. Enter **GATEKEEPER** into the *Named instance* field and press **Tab**. The *Instance ID* field will be automatically filled in.

Global Rules Microsoft Update Product Updates Install Setup Files Install Rules Installation Type License Terms Feature Selection Feature Rules	O <u>D</u> efault instance								
	Named instance:	Named instance: GATEKEEPER							
	SQL Server directory:	C:\Program Files\Mic	rosoft SQL Server\	MSSQL15.GATEKEEP	ER				
Instance Configuration Server Configuration	Instance Name	Instance ID	Features	Edition	Ve	rsion			
Database Engine Configuration	SQLEXPRESS	MSSQL15.SQLEXPR	SQLEngine	Express	15.0	0.2000.5			
Feature Configuration Rules	SQLEXPRESS01	MSSQL15.SQLEXPR	SQLEngine	Express	15.0	0.2000.5			
Feature Configuration Rules Installation Progress Complete									

8. Click Next.

9. On the Server Configuration screen, ensure both SQL Server Database Engine and SQL Server Browser have their Startup Type set to Automatic.

Slobal Rules Microsoft Lloclate	Service Accounts Collation				
Product Updates	Microsoft recommends that you	use a separate account for each	SQL Server servi	ice.	
nstall Setup Files	Service	Account Name	Password	Startup Ty	pe
nstall Rules	SQL Server Database Engine	NT Service\MSSQLSGAT		Automatic	
nstallation Type	SQL Server Browser	NT AUTHORITY\LOCAL		Automatic	
icense Terms eature Selection eature Rules nstance Configuration Server Configuration	Grant Perform Volume Mainte This privilege enables instant i to information disclosure by a <u>Click here for details</u>	enance Task privilege to SQL Ser file initialization by avoiding zer illowing deleted content to be ad	ver Database En oing of data pag ccessed.	gine Service ges. This may le	bd

10. Click Next.

- 11. On the Database Engine Configuration screen:
 - a. Select Mixed Mode (SQL Server authentication and Windows authentication)
 - b. Enter a password for the system administrator account according to your local policies into the *Enter password* and *Confirm password* fields.

parallelism, Memory limits, and	Filestream settings.							
Global Rules Microsoft Update Product Updates Install Setup Files Install Rules Installation Type License Terms Feature Selection Feature Rules Instance Configuration Server Configuration Database Engine Configuration Feature Configuration Rules Installation Progress Complete	Server Configuration Specify the authent Authentication Mod <u>Windows authen</u> <u>Mixed Mode (SQ</u> Specify the password: <u>Enter password:</u> <u>Confirm password:</u>	Data Directories ication mode and de tication mode L Server authentic rd for the SQL Serve	TempD8 N administrator ation and Wir er system adr	Memory Us is for the Dat indows authe ministrator (;	er Instances tabase Engin ntication) ra) account.	FILESTREAM		
	Specify SQL Server a	AddB	emove		SQL Server unrestricte Engine.	administrato d access to th	rs have e Databas	e

12. Click Next.

13. Wait for the installation process to finish successfully and click **Close**.

Install and Configure SQL Server Management Studio

NOTE You will need to restart your computer to complete the steps in this section. Save your work and close all other programs before installing SQL Server Management Studio.

- 1. Run the SQL Server Management Studio installer.
- 2. Leave the *Location* set to default and click **Install**.

		-
0%	RELEASE 18.10 Microsoft SQL Server Management Studio with Azure Data Studio	
Welcor	me. Click "Install" to begin.	
Location:		
C:\Program	Files (x86)\Microsoft SQL Server Management Studio 18	
By clicking the Licens SQL Server M usage and p and privacy documentat	g the "Install" button, I acknowledge that I accept the <u>Privacy Statement</u> and e Terms for <u>SQL Server Management Studio</u> and <u>Azure Data Studio</u> Management Studio transmits information about your installation experience, as well as other erformance data, to Microsoft to help improve the product. To learn more about data process controls, and to turn off the collection of this information after installation, see the ion	ing
	Install <u>C</u> lose	

3. Click **Restart** to restart your computer and complete the installation process.



Configure SQL Login

- 1. When your computer restarts, click **Start** and begin typing **Microsoft SQL Server Management Studio**.
- 2. Click **Microsoft SQL Server Management Studio** when it appears. Your version may be different than the one shown in the image below.

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	8	Microso Manage Desktop a	ft SQL Server ment Studio	18	\rightarrow			
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-	Q							

- 3. Enter the appropriate information into the *Connect to a Server* box and click **Connect**.
 - a. The *Server name* field should automatically display the GateKeeper instance you created. If you have more than one SQL server instance, enter the **Host Machine Name\GATEKEEPER** into this field. In the example below, the host machine name is USCNODTFPHR903.
 - b. Set Authentication to **Windows Authentication** to use the login credentials for the Windows user currently logged in. The current Windows user must be an approved server administrator to use this login method. See step 0 on page 12.
 - c. Set *Authentication* to **SQL Server Authentication** to use the system administrator password you set up in step 0 on page 12.

	×
SQL Server	
Database Engine	~
USCNODTFPHR903vGATEKEEPER	Ŷ
Windows Authentication	~
DDC techamolie	~
Remember password	
	SQL Server Database Engine USERVOOTFFFFFF00006ATEXEEPEE Windows Authentication Pergember password

- 4. Click the + to expand the Security folder.
- 5. Right-click the Logins folder and click New Login...

🔀 Microsoft SQL Ser	ver Management Studio
File Edit View T	fools Window Help
0-0 13-12	- 🖕 🔛 🔐 🔎 New Query 🗿 🗟 🗟 🎧 🛣 🌡 🕹 台 台 🖯
8 ¥ ~¥	- → Execute = ✓ 😚 🗐 🔒 📅 🐯 🕮 🖕
Object Explorer	~ ₽ ×
Connect - ¥ ×¥ ≡	▼ C →
USCNODTFPHRS	903\GATEKEEPER (SQL
e 💼 Logins. e 💼 Serv	New Login
🕢 💼 Crei	Fil <u>t</u> er
🕢 🔃 Aud	Start PowerShell
🕑 🛑 Server (Reports +
Replicat PolyBas	Refresh
Management XEvent Profile	ler

- 6. Enter gatekeeper into the *Login name* field.
- 7. Select SQL Server authentication.
- 8. Create a password according to your local policies and enter it into the *Password* and *Confirm password* fields.
- 9. Uncheck the Enforce password policy box.

Login - New				-		X
Select a page & General	🗊 Script 🔻 😮 Help					
Server Roles User Mapping Securables Status	Login <u>n</u> ame: <u> </u>	gatekeeper			Search	1
	<u>SQL</u> Server authentication Password:			_		
	Confirm password			-		
	Specify old password			_		
	Qld password:					
	Enforce password policy					
	Enforce password expira	tion				
	Mapped to certificate	vord at next login		~		
	O Mapped to asymmetric key			~		
Connection	Map to Credential			~	Add	
Server: USCNODTFPHR903\GATEKEEP	Mapped Credentials	Credential	Provider			
Connection: DDC\bohannda						
Y# <u>View connection properties</u>						
Progress					Remo	ve
Connection Server: USCNODTFPHR903\GATEKEE Connection: DDC\bohannda vi Vew connection properties Vew connection properties Progress Ready	Default database:	master		~	Remoy	Ve

- 10. Click **Server Roles** in the *Select a page* section.
- 11. Check the **sysadmin** box.
- 12. Click OK.



Configure .NET 4.0

- 1. Click **Start** and type **IIS** into the search bar.
- 2. Click Internet Information Services (IIS) Manager.

=	All	Apps	Documents	Settings	Email	More \checkmark	Feedback	
â	Best m	atch						
	Q	Internet Manage Desktop a	Information S r app	Services (IIS)	\rightarrow	Č		
			1			Internet Information Deskt	Services (IIS) Manager	
						Open Open So Run as administrator		
						D Open file location		
						-D= Pin to Start		
						-C4 Pin to taskbar		
۲								
	Piis	s						
-	Q							

- 3. Double-click the host computer's name to expand the list and select **Application Pools**.
- 4. Double-click **DefaultAppPool**.

C Internet Information Services (IIS) N	Manager							-	×
← → ② + USCNOOTFPHR9	03 Application Pool							-	
Eile View Help									
Connections	0						Actions		
USCNOOTFPHR903 (DOC\bot Q Application Pools Sites	This page lets you view associated with worke applications.	v and man	age the list of ap , contain one of	plication pools on more applications	the server. Application , and provide isolation	pools are among different	Add App Set App Help	oplication Pool pplication Pool Defaults	
	Filter	- 3	1 Go - 💽 She	w All Group by:	No Grouping	-			
	Name	Status	NET CLR V	Managed Pipel	Identity	Applications			
	DINET v2.0	Started	v2.0	Integrated	ApplicationPoolid	0			
	NET v2.0 Classic	Started	v2.0	Classic	ApplicationPoolid	0			
	.NET v4.5	Started	v4.0	Integrated	ApplicationPoolid	0			
	.NET v4.5 Classic	Started	v4.0	Classic	ApplicationPoolid	0			
	Classic .NET Ap	Started	v2.0	Classic	ApplicationPoolid	0			
Elle Yerw Holp Connections Co	Started	v4.0	Integrated	ApplicationPoolid	1				
« »	<	ontent Vie	w			>			
Ready									G 2 .

5. Ensure the *.NET Framework version* is set to **.NET Framework v4.0.30319** (or higher) and ensure the **Start application pool immediately** box is checked.

Edit Application Pool	?	×
<u>N</u> ame:		
DefaultAppPool		
.NET <u>C</u> LR version:		
.NET CLR Version v4.0.30319		\sim
Managed pipeline mode:		
Integrated \sim		
Start application pool immediately	Y	
ОК	Cancel	I

6. Click OK.

GateKeeper Installation

In the IIS Manager, double-click the Sites to expand the list and select Default Web Site. 1.



2. Click Import Application in the Actions pane.

. 57.	Actions Explore Edit Permissions
· · · · · · · · · · · · · · · · · · ·	Edit Site Bindings Basic Settings
HTTP ISAPI Filters Respon	View Applications View Virtual Directories
	Manage Website
	💈 Restart
	Start Stop
Î	Browse Website Browse ":80 (http)
	Advanced Settings
	Configure Limits HSTS
	Deploy 💿
	Import Application
	😯 Help

NOTE

Click B	rowse, select the GateKeeperWeb.zip file, click Open, and click Next.
	Import Application Package ? ×
	Select the Package
	Specify the location of the package (for example, C:\WebApplication.zip).
	Package path:
	<u>B</u> rowse
	Zrevious <u>N</u> ext <u>Finish</u> Cancel
	Open X ← → × ↑ ♦ → This PC → Downloads Ø
	Organize New folder Name Date modified Type Size
	> x* Quick access GateKeeperWeb.zip S/26/2021-4-47 PM Compressed (zipp 14,045 KB
	> The first second seco
	> This PC
	> 💣 Network
	File parme: GateKeeper/Web.zip Vackage files (*.zip) V Qpen Cancel

Accept th	Import Application Package Select the Contents of the Package	Package screen and click I
	Package contains: Image: Contains:	C:\Current\GateKeep
	<>	
	Previous <u>N</u> ext	Advanced Settings Einish Cancel

- 5. Replace the "XXX" values in the *TurnstileConnection* and *UserConnection* fields with the values indicated below and click **Next**.
 - a. Change all instances of **Data Source=XXX** to the Server name you entered in step 11 on page 12.
 - b. Change all instances of User Id=XXX to the Login name you created in step 6 on page 17.
 - c. Change all instances of Password=XXX to the Password you created in step 8 on page 17.

inter information that	at is required to install this package:		
Application Path			
Full site path when	e you want to install your application (for example, Default Web Site/Application).		
Default Web Site/	GateKeeper		
Data Source=XXX	inter courses - outerceptioner, integrated secondy-raise over in-root, assiroid-root		
Connection String	n Connection String used in web.config by the application to access the database.		
Connection String TurnstileConnection Data Source=XXX	ninial cetalog of ceteperore, integrated security – and other application to access the database. Initial Catalog=GateKeeperTurnstile;Integrated Security=FalseUser Id=XXX;Password=X	000;	
Connection String TurnstileConnection Data Source=XXX	nitial Cetalog=GateKeeperTurnstile;Integrated Security=False <mark>User Id=XXX;Password=</mark> nitial Catalog=GateKeeperTurnstile;Integrated Security=False <mark>User Id=XXX;Password=</mark>	00;	

6. Verify the installation completes successfully and click **Finish**.

- 7. Double-click **Default Web Site** to expand the list and select **GateKeeper**.
- 8. Right-click **GateKeeper** and select **Edit Permissions**.



9. Click the **Security tab** and click the **Edit** button.

GateKeeper Properties)
General Sharing Security Previous Versions Customize	
Object name: C:\inetpub\www.root\GateKeeper	
Group or user names:	
Secreator owner	~
St IUSR	
SYSTEM	
Administratore (IIICCMODTEPUR903\ Administratore)	-
To channel a series into the Cat	_
To change permissions, click Edt. <u>E</u> dit	
Permissions for CREATOR OWNER Allow Deny	
Full control	^
Modify	
Read & execute	
List folder contents	
Read	
Write	~
For special permissions or advanced settings, Advanced	

- 10. Select the **Users ([Host Name]\Users)** item from the *Group or user names* list and check the **Allow** box for *Full Control*. In the image below, the Host Name is USCNODTFPHR903.
- 11. Click **OK**.

Permissions for GateKeeper		×
Security		
Object name: C:\inetpub\www.	oot\GateKeeper	
Group or user names:		
Administrators (USCNODTFP	HR903\Administrat	tors) 🔨
Sers (USCNODTFPHR903)	Users)	
SE IIS_IUSRS (USCNODTFPH)	903\IIS_IUSRS)	
St TrustedInstaller	\	
Market DefaultAppPool		~
<		>
	Add	<u>R</u> emove
Permissions for Users	Allow	Deny
Full control		□ ^
Modify		
Read & execute		
List folder contents		
Read		
	7	
OK	Cancel	Apply

12. Click Advanced.

GateKeeper Pr	operties			×
General Sharing	Security	Previous Versions	Customize	
Object name: 0	C:\inetpub\	www.root\GateKeep	er	
Group or user nar	nes:			
CREATOR O	OWNER			^
SE IUSR				
SYSTEM	- ////		(stante or)	~
<)	
To change permis	ssions, click	c Edit.	Ede	
Permissions for Cl	REATOR			
OWNER	Lo tron	Alloy	w Deny	
Full control				^
Modify				
Read & execut	e			
List folder conte	ents			
Read				
Write				~
For special permis click Advanced.	sions or ad	vanced settings,	Advanced	đ

- 13. Select the **Users ([Host Name]\Users**) item from the *Permission entries* list. In the image below, the Host Name is USCNODTFPHR903.
- 14. Check the **Replace all child object permission entries with inheritable permission entries** from this object.
- 15. Click OK.

Name:	C:\inetpub\www.root\Gate	Keeper			
Owner:	Administrators (USCNOD)	FPHR903\Administrators]) 🗳 Change		
Permissions	Auditing Effectiv	e Access			
Permission e	ntries: Principal	Access	Inherited from	Applies to	
Allow	DefaultAppPool	Read	None	This folder, subfolders and files	1
Allow	IIS_IUSRS (USCNODTFPHR90	Read & execute	C:\inetpub\wwwroot\	This folder, subfolders and files	
Allow	TrustedInstaller	Full control	C:\inetpub\	This folder, subfolders and files	
Allow 28	SYSTEM	Full control	C:\inetpub\	This folder, subfolders and files	
Allow	Administrators (USCNODTFF	Full control	C:\inetpub\	This folder, subfolders and files	
🞎 Allow	Users (USCNODTFPHR903\U	s Read & execute	C:\inetpub\	This folder, subfolders and files	
allow 🎎	CREATOR OWNER	Full control	/:\inetpub\	Subfolders and files only	7
Add	<u>R</u> emove <u>V</u> iew		/		
Disable in	heritance				

16. Click **Yes** when prompted to continue.



- 17. Click OK.
- 18. Close the Internet Information Services (IIS) Manager.

Test for Correct Installation

From Host Computer

- 1. Open a **web browser**.
- 2. Type **localhost/gatekeepe**r into the address bar and press **Enter** to go to the GateKeeper *Login* screen.



3. Type **admin** for the *Username* and **Admin@123** for the *Password* and click **Log In**. Verify the screen looks like the one shown below.

		100000000000000	Sector Sector Sector		
Locations -	Location List	o: Utilities	Settings	Log out	
Locations					
+ Add agains					
The bear					
More Detail Less Detail					
Location List					
No sertions set up					
the sections set up					
Constable Human do 10 2021		0.411		oner v2 7	

From a Networked Device

- 1. Open a web browser.
- 2. Type **<IP Address>/gatekeepe**r into the address bar and press **Enter** to go to the GateKeeper *Login* screen. Replace <IP Address> with your host computer's IP address.
- 3. Type **admin** for the *Username* and **Admin@123** for the *Password* and click **Log In**. Verify the screen looks like the one shown below. The IP address of the host computer in the image below is 10.188.233.178.

D Locations x +				- 0	×
← → ♂ ⋒ ③ localhost/GateKeeper/		ŝ	\$ @ (Not syncing 😰 🔸	
Locations -	E Location List	o‡ Utilities		😝 Log out	
+ Add Location					
More Detail Less Detail					
Location List					
No sections set up					
Copyright Alvarado @ 2021		GAL	ARADO GateKe	eper v2.7	

Password Reset

Follow the steps in this section to set up the password-reset system. To use this system, you must have either an **email account set up on an email server** or a free **Outlook.com email account**.

To use the GateKeeper password reset feature, you will first need to input the account information for the email address that will generate password reset instructions. Two types of email accounts may be used: 1) an email account setup on the facility's mail server, or 2) a free Outlook.com email account.

You must have the following email account information to set up the password reset feature:

- Host name of your email server
- Email address
- Password for the email address

Set Up Password Reset Email Account

- 1. Open Windows Explorer and go to the C:\inetpub\wwwroot\GateKeeper folder.
- 2. Right click the Web.config file and click Open With.

ー・・・ 中 🦲 × ThisPC × E	ocal Disk (C) > inetpub > serverod	t > GutaKoeper			🛩 💩 – Search GateKeeper
	Name	Date modified	7,94	Size	Web coolin
Quick access	bin	15/15/3021-9-34 AM	File folder		CONFIG File
C. Brownshined	Contant	11/11/2021 9:04 AM	File folder		
	forts	11/11/2021 9/34 AM	Filefolder		
1	Images	11/11/2021 (k.24 AM	File folder		
In the second light de-	Sorigits	11/11/3021 9/25 AM	File Solder		
Contraction of the local division of the loc	Sounds	11/11/2021 9:25 AM	File folder		
	Views	11/11/2021 9-25 AM	File folder		Date-modified: 11/11/20219/34 AM
This PC	Tavicen.ice	12/0/2015 1x02 PM	loon	32 KB	Size 62518
Metande	Globalasan	12/2/2015 1x02 PM	ASAX File	1.83	Date created: 11/11/2021 9/25 AM
- Hereiter and -	packages.config	12/23/2015 3.01 PM	CONFIG File	4.83	
	Web.com/g	15/15/00/16/54 454	CONFIG File	7.68	
		Open with			
		7- <i>D</i> p	2		
		CRC SHA	>		
		12 Share			
		😕 Scan with Apex One			
		Rentore previous versions			
		Send to	>		
		Cut			
		Сору			
		Create shortcut			
		Delete			
		Rename			
		Burnel or			

3. Select Notepad.

NOTE) You can edit the **Web.config** file with any application capable of editing XML files.

4. Find the following text strings in the file. Change "XXX" in the text strings to the indicated values. Include the quotation marks.

<add key="EmailHost" value="XXX" /> <add key="EmailUsername" value="XXX" /> <add key="EmailPassword" value="XXX" />

- "*EmailHost*" should be set to your email host server's name.
- "*EmailUserName*" should be set to the email address of the account that will send the reset password message.
- "EmailPassword" should be set to the password of the email address defined above.
- 5. **Save** the file and **close** it.

Set Up Default Admin Email Account

- 1. Follow the steps in the <u>Test for Correct Installation</u> section to log into GateKeeper.
- 2. Click **Settings**.

Locations x +				- 🗆 ×
\leftarrow \rightarrow \mathbb{C} \textcircled{O} localhost/GateKeeper/		íð	\$ @ (Not syncing 😰 …
Locations +	Location List	a ‡ Utilities	≁ Settings	🕒 Log out
Locations				
+ Add Location				
More Detail Less Detail				
Location List				
No sections set up				
Copyright Alvarado © 2021		GAL	ARADO GateKe	eeper v2.7

3. Click User Settings.

Settings ×	+			>
← → ♂ ᢙ ▲ Not sec	ire 10.188.233.178/GateKeeper/Sectio	n/Settings 😚	\$ @ ()	iot syncing 😩 …
Locations -	Location List	o ; Utilities	📕 Settings	🕒 Log out
Settings				
Alarm Settings				
Log Settings				
 Notification Setting 	5			
👗 User Settings				
🖀 User Manager				
Copyright Alvarado © 2021		GAL	VARADO GateKe	eper v2.7

4. Click the **Change** button for *Email*.

		1979-1977-1975-1977	
ocations +	Location List	oc Utilities	🗲 Settings 🛛 🕞 Log out
User Account			
User Name	admin		
Email	admin@example.com		✔ Change
Phone Number			✔ Change
Password	***		✔ Change
Back to Settings			

Enter the email address that will receive password reset information and click **Save Changes**. 5. _ × Edit User Email × + CÔ 4 🛕 Not secure | 10.188.233.178/GateKeeper/User/EditUserEmail 🏠 📬 ۲ (Not syncing (2) Locations -E Location List o: Utilities ✤ Settings E Log out Edit Email admin@example.com Email Cancel Copyright Alvarado @ 2021 GALVARADO GateKeeper v2.7

Appendix 1 – Web Deploy 3.5+ Additional Configuration

If you installed Web Deploy 3.5 or higher, you need to follow these additional steps at least before you do the steps in the <u>GateKeeper Installation</u> section on page 21. This section uses Web Deploy 3.5 for instructions and illustrative purposes.

- 1. Click **Start** and begin typing **Add or remove programs**.
- 2. Click Add or remove programs when it appears.

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3. Click Microsoft Web Deploy 3.5 in the list and click Modify.

				0
ය Home	Apps & features			
Find a setting		11/10/2021		
Apps	Microsoft VSS Writer for SQL Server 2019	1.78 MB 11/9/2021		
IE Apps & features	Microsoft Web Deploy 3.5	11.9 MB 11/2/2020		
I⇒ Default apps	3.1237.1764 Modify	Uninstall		
印 Offline maps		240.442		
Apps for websites	Microsoft Whiteboard Microsoft Corporation	349 MB 11/9/2021		
CR Video playback	Miss Marple Agent	3.86 MB 1/23/2020		
₽ Startup	Mixed Reality Portal Microsoft Corporation	16.0 KB		

4.

Click Change.	
	👹 Microsoft Web Deploy 3.5 Setup - 🗆 🗙
	Change, repair, or remove installation Select the operation you wish to perform.
	Change
	Lets you change the way features are installed.
	Regair
	Repairs errors in the most recent installation by fixing missing and corrupt files, shortcuts, and registry entries.
	Bemove
	Removes Microsoft Web Deploy 3.5 from your computer.

6. Change *IIS Manager UI Module* to **Will be installed on local hard drive** and click **Next**.

elect the wa	V VOLUM	ant features to be installed	6		6
			2		
lick the icons	in the t	ree below to change the w	ay features will be i	nstalled.	
	Webl	IIS Manager UI Module	Installs the UI	for MSDep	ploy.
		Will be installed on loc	al hard drive		
	=	Entire feature will be in	stalled on local h	ard drive	
		Feature will be installe	d when required		
	×	Entire feature will be u	navailable		
	_				

- 7. Click Change.
- 8. Click **Finish** when the process is complete.

Appendix 2 – Linking to LaneConfig

Follow the instructions below to link your LaneConfig application to GateKeeper.

- 1. Open Windows Explorer and go to the C:\inetpub\wwwroot\GateKeeper folder.
- 2. Right click the Web.config file and click Open With.

🔶 🔅 🗠 🕆 🔁 🔚 E ThisPC E	Local Disk (C) > inetpub > serveroot	> Gata/Cosper			v & Search GataKeeper
P Quick access	bin Contant Fonts	Date modified 11/11/2021 9:34 AM 11/11/2021 9:34 AM 11/11/2021 9:34 AM	Type Nile folder File folder File folder	Six	Web.covifig costsid file
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		Copen and T-2-p CRC SHA E ² Share Scan with Apex One Restore previous versione Send tee Cut	>		
		Copy Create shortcut Delete Rename			

3. Select Notepad.

NOTE) You can edit the *Web.config* file with any application capable of editing XML files.

4. Find the following text string in the file. Change "XXX" in the text string to the **URL** for your LaneConfig server. For example, "192.168.0.101\LANECONFIG". Include the quotation marks.

<add key="LaneConfigURL" value=""XXX" />

NOTE) The value you enter into this field cannot include the term "localhost".

5. **Save** the file and close it.

Appendix 3 – ARGUS Gate Setup

Follow the steps in this section if you are using GateKeeper with dormakaba ARGUS gates. Follow these steps after you install GateKeeper.

Required Software

Download and extract the installer for the **Lantronix SCPR** software onto your computer prior to starting the installation process. The latest version of this software can be found on the developer's website:

https://ltrxdev.atlassian.net/wiki/spaces/LTRXTS/pages/106856722/Latest+version+of+the+Secure+Com+ Port+Redirector

Com Port Setup

IMPORTANT) You must have **Administrator** privileges on your computer to complete the installation.

- 1. Run the **SCPR_x64CD_4.3.2.1.msi** installer. Follow the instructions to install the *Lantronix SCPR* using default settings.
- 2. Run the Secure CPR Manager application.
- 3. Click Add/Remove.

Secure CPR Manager 4.3.2.1 <u>File Com Port Device Tools H</u> elp		
Add/Remove Save Refresh P Search For Devices	Exclude	-
Com Ports Hide ■ □-□ Com 1 - 21 □-□ Com 1 (Inaccessible)	Com Port	IP Address
	Com 3 (inaccessible Com 4 (inaccessible Com 5 (inaccessible Com 6 (inaccessible	e) e) e)
	Com 7 (Inaccessible Com 8 (Inaccessible Com 9 (Inaccessible	e) e)
> Com 10 (Inaccessible) > Com 11 (Inaccessible) > Com 12 (Inaccessible)	Com 10 (Inaccessib Com 11 (Inaccessib Com 12 (Inaccessib	ile) ile)
Com 13 (Inaccessible) Com 14 (Inaccessible)	Com 13 (Inaccessib	le) le)

4. Check an available Com port and click **OK**. Com ports that are grayed out are already used and cannot be selected.

NOTE) Do not use Com ports 1-4.

- 5. Click the Com port you just selected in the All Com Ports pane on the left.
- 6. Type the IP address of the dormakaba RS232 LAN module installed in the ARGUS gate into the *Host* field.
- 7. Type **10001** into the TCP Port field.
- 8. Click Save.



- 9. Click Yes when prompted to save settings.
- 10. Click Install.



				Servic 1 2 3 4 5 6	Ce Host 10.188.3	333.206
Device List		700.0			10	
	w rons	ICF FOIL	riouot			HW Address
Settings ha	ve been saved					
Settings have TE To test the co	ve been saved	GUS gate	e must be p	oowered or	n and cor	nnected to your
Settings ha	ve been saved	GUS gate	e must be p	oowered or	and cor	nected to your
Settings ha	ve been saved	GUS gate	e must be p	oowered or	n and cor	nnected to your
Settings ha	ve been saved	GUS gate	e must be p	oowered or	n and cor	nnected to your
Settings ha	ve been saved	GUS gate	e must be p	oowered or	n and cor	nnected to your
Settings ha	onnection, the ARG	GUS gate	e must be p	powered or	n and cor	nnected to your

- 12. Click the **Com # Tests** tab.
- 13. Click **Open** and verify the Com port connects successfully.

Secure CPR Ma	nager 4.3.2.1								-	0 ×
Ble Com Port	Device Jos	ols Help								
Add/Remove	Save Re	dresh P:	Search For Devic	es 🖨 Exe	dude					
Com Ports	Hide 🤇	Setings	Com 5 Tests							
Con Po	ta (1) 5 5	RS2 High Rx E	leip C CDDE C DCD CT O C leita 0 OF 0 OF 0	s DSR	Com Status: Network Stat C RTS RTS M RTS M	Open a: Convector to 10.1 UT -> DTR O DTR M DTR Lo	88 223 206 10009			
Device List IP Address	# Ports	TCP Feet	Product		D	HW Address	Network interface	Device Name	Pot Nane	Collapse

14. Click Close.

NOTE Com ports support only one connection at a time. If you do not close the connection after testing it, GateKeeper will not be able to connect to the ARGUS gate.

15. Repeat steps 3-13 for each ARGUS gate you want to set up.

This section assumes you have already installed GateKeeper using the default locations shown in the NOTE installation instructions above. Open Windows Explorer and go to the C:\inetpub\wwwroot\GateKeeper folder. 1. 2. Right click the Web.config file, select Open With, and click Notepad. **e o** 😹 + Computer + OS(C) + instpub + www.cot + GateKeeper + • 47 5 H . D . Open * New folder Organ ize *. Bun Pictures Name Date modified Туре Site Videos 5/17/2016 12:13 PM bin File folde Conter 5/17/2016 12:13 PM File folder · Comput 5/17/2016 12-13 PM File felde 🕌 fents AL 05 (C) - Imap 5/17/2016 12:13 PM File Inides 5/17/2016 12:13 PM File folder Scripts 5/17/2016 12:13 PM 5/17/2016 12:13 PM Sound File folder Vieva File felder favicon.ic 12/2/2015 12:42 PM Icon 12/2/2015 12:42 PM ASPINET Server A. 12 (8 Giobalasa 10 package 12/21/2015 241 PM CONFIG File 4.08 Web.c M CONFIG File 6.58 Oper Edit 7-2ip ORC SHA 🖬 Edit with Notepad-Scan with ESET NODE2 Ave Advanced optic Open with Microsoft Visual Studio 2005 Tools for Application Microsoft Visual Studio 2008 **Restore** po 3 Notepad Sendito Choose default program. Cut lect 4/1/201611-10 AM Web.config Copy đ CONPLC FIL Sec 3.81 KB Create th Delete Resame Preparti NOTE You can edit the *Web.config* file with any application capable of editing XML files.

GateKeeper Setup

- 3. Find the line that starts with <add key="CPRFolderPath" value=. Enter the path to your computer's Documents\Lantronix\SCPR folder.
- 4. Save the Web.config file and close it.

```
Web.config - Notepad
File Edit Format View Help
<?xml version="1.0" encoding="utf-8"?>
<!--
   For more information on how to configure your ASP.NET application, please visit
   http://go.microsoft.com/fwlink/?LinkId=301880
    -->
<configuration>
    <configSections>
        <!-- For more information on Entity Framework configuration, visit http://go.microsoft.com/fwl
         <section name="entityFramework" type="System.Data.Entity.Internal.ConfigFile.EntityFrameworkSection")</pre>
    </configSections>
    <connectionStrings>
         <add name="UserConnection" providerName="System.Data.SqlClient" connectionString="Data Source-
Id=sqlexpress;Password=alvarado;MultipleActiveResultSets=True" />
         <add name="TurnstileConnection" providerName="System.Data.SqlClient" connectionString="Data SqlClient" connectionString="Data SqlSlient" connectionString="Cana SqlSlient" conne
Id=sqlexpress;Password=alvarado;MultipleActiveResultSets=True" />
    </connectionStrings>
    <appSettings>
         <add key="webpages:Version" value="3.0.0.0" />
         <add key="webpages:Enabled" value="false" />
         <add key="ClientValidationEnabled" value="true" />
         <add key="UnobtrusiveJavaScriptEnabled" value="true" />
         <add key="DemoMode" value="false" />
         <add key="GateKeeperPort" value="8888" />
         <add key="LaneConfigURL" value="XXX" />
         <add key="EmailHost" value="XXX" />
         <add key="EmailUsername" value="XXX" />
          cadd key="EmailPassword" value="XXX"
                                                                                                    15
         <add key="CPRFolderPath" value="C:\Users\AMC\Documents\Lantronix\SCPR" />
    </appSettings>
     <system.web>
```

```
(authentication mode="None" ()
```

Configure IIS

- 1. Click **Start** and type **IIS** into the search bar.
- 2. Click Internet Information Services (IIS) Manager.



- 3. Double-click the host computer's name to expand the list and select **Application Pools**.
- 4. Right-click within the center pane and select Add **Application Pool**.

Connections	Applicatio This page lets you view as associated with worker pr different applications.	n Pools nd manage rocesses, co	the list of appli ontain one or m	cation pools on the one applications, an	server. Application po d provide isolation am	ols are ong	Actions Add Application Pool Set Application Pool Default Philip
> GateKeeper > GateKeeper > GateKeeper > GateKeeper > GateKeeper > GateKeeper > GateKeeper	Filte: Name NET v2.0 NET v2.0 NET v4.5 Classic Classic NET AppPool Default/appPool Classic NET AppPool Default/appPool Add Application Pool Help	Status Status Status Stated Stated		M Group by No Managed Pipel Integrated Classic Integrated Classic Classic Integrated	Grouping Identity ApplicationPoelld ApplicationPoelld ApplicationPoelld ApplicationPoelld ApplicationPoelld	- Applicati 0 0 0 0 0 4	
Ready	Contraction Contraction	lent View				>	

5. Enter GateKeeperAppPool for the name and click OK.

Add Application Pool	?	\times			
<u>N</u> ame:					
GateKeeperAppPool					
.NET <u>C</u> LR version:					
.NET CLR Version v4.0.30319 $$					
Managed pipeline mode:					
Integrated \checkmark					
Start application pool immediate	ely				
ОК	Cancel				

6. Click the App Pool you added and click **Advanced Settings**... in the right pane.



8. Select **Local System** from the *Built-in* account dropdown list and click **OK** until you return to the IIS screen.

LocalService LocalSystem NetworkService	
O LocalSystem	
NaturalSanica	
ApplicationPoolIdentity Set	

9. Click GateKeeper in the left pane to select it and click Basic Settings... in the right pane.



10. Click Select.

		?
ault Web Site		
Appli	ation pool:	
Defau	tAppPool	S <u>e</u> lect
Test Settings		
rest settings		
	ОК	Cancel
	ОК	Cance

11. Select **GateKeeperAppPool** from the *Application pool* dropdown list and click **OK** until you return to the IIS screen.

Select Application Pool	?	×
Application pool:		
GateKeeperAppPool		\sim
.NET v2.0 .NET v2.0 Classic .NET v4.5 .NET v4.5 Classic Classic .NET AppPool DefaultAppPool		
GateKeeperAppPool		
OK	Cancel	

Revision History

Revision	Creation Date	Author	Revision History/Description
1.0	7/12/2016	D Bohannon	Original Document
1.1	11/16/2016	D Bohannon	Updated Appendix 2.
2.0	11/2/2021	D Bohannon	Added Appendix 3.
3.0	11/11/2021	D Bohannon	Updated with steps for SQL 2019 and Windows 10.

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