2024

eRetail3.2 Setup Tool Deployment Manual

V1.1

DALIAN SERTAG TECHNOLOGY CO., LTD

Version History

Version	Date	Summarize	Author	Approval
1.0	2024-07-30	Document Initialization		
1.1	2024-08-05	Translation Accuration		

SERTAG LEADER

2

Catalog

1. Summary
1.1 System Environment
1.1.1 Operating System Hardware Requirements
1.1.2 Operating System Version Requirements
1.1.3 Operating System Environment Requirements
2. My SQL Installation
2.1 Installation Instructions4
2.2 Installation Steps5
3. Redis Installation 11
3.1 Installation Instructions11
3.2 Installation Steps12
4. Setup Installation
4.1 Installation Instructions
4.2 Installation Steps
SMART TAG LEADER

1. Summary

3

1.1 System Environment

1.1.1 Operating System Hardware Requirements

- CPU4 core or more, memory 8G, hard drive 100G, a single instance can support 4W tags, more than 10W goods (single shop or multi-store).
- 2. CPU4 or more, 32G memory, hard drive 300G, a single instance can support 20W tags, more than 100W goods (10 shops).
- 1 application server + 1 database server (with backup function), each server:16cores CPU, 64GB RAM,, 1TB Disk space, NETWORK 10Mbps, support 100 shops, 10 million goods data.

1.1.2 Operating System Version Requirements

Windows 7sp1 and Server 2008 R2 sp1 or above system version, prefer Windows Server 2016, Windows 10 or above.

1.1.3 Operating System Environment Requirements

1. Server 2012R2 Patch

The patches needed and the order of installation: clearcompressionflag.exe, KB2919442, KB2919355, KB2932046, KB2959977, KB2937592, KB2938439, KB2934018, dotnet-hosting-6.0.1- win.exe (in order from the first to the last, do not switch the order).

Patch download address. <u>https://pan.quark.cn/s/f66503e95d1f</u> (Extract code: GcLW).

2. Win7 x 64-bit patch

➢ Win7 if it is version 7600, you need to upgrade to version 7601 first, install win7SP1 upgrade, and then install the .net4 environment dotNetFx40_Full_x86_x64 (net40).

Win7 version 7601 installs VC_redist.x64 and Windows6.1-KB3063858-x64.msu.

> Patch download address (with a tutorial on failed KB3063858 installation):.

https://pan.quark.cn/s/adb6634f5ae2 (Extract code: GdPF).

3. Regular system patches - win10, win11

dotnet-sdk-6.0.400-win-x64.exe, VC_redist.x64, NET Framework version 4.5.1 or higher.

Patch download address: <u>https://pan.quark.cn/s/78e427c5212c</u> (Extract code: EpKU).

2. My SQL Installation SMART TAG LEADER

2.1 Installation Instructions

- 1. If the local server has already installed this database, you need to provide the database account, password, database port, and then install Setup to use.
- 2. This database is not installed on the local server, and the default information is set to account root, password Pass99, and port 3306.
- Installation of version 5.7.10.0 or higher, Installation Tutorial Select Developer Default Mode, Download Address:
- 4. https://blog.csdn.net/m0_68416190/article/details/127146770

6. Installation is complete (database service appears).

Services		E Run new task 🕞 Start 🔲 S	Stop 🖒 R	estart 🖓 Op	en Services
Name	PID	Description		Status	Group
SkeyboardFilter		Microsoft Keyboard Filter		Stopped	netsvcs
MSSQLSERVER	14844	SQL Server (MSSQLSERVER)		Running	
🖓 MySQL80 🛛 🖌	5388	MySQL80		Running	

2.2 Installation Steps

Take MySQL version 5.7.10.0 as an example

1. Open the installation file, select "Developer Default" mode and then select "Next".

MySQL Installer (OFFLINE)		– 🗆 X
MySQL. Installer Adding Community	Choosing a Setup Type Please select the Setup Type that suits you	ır use case.
Choosing a Setup Type	Server only	Setup Type Description
Download	Installs only the MySQL Server product.	Installs only the MySQL Server. This type should be used when you want to deploy a MySQL Server, but will not be developing MySQL
Installation	Client only	applications.
Installation Complete	products, without a server.	
	Full Installs all included MySQL products and features.	
	Custom Manually select the products that should be installed on the system.	
		<u>N</u> ext > <u>C</u> ancel

2. Click 'Execute'.



4. Select 'Next'.



5. Confirm the port and mode to use for the database select Next, default port

3306, and proceed to the next step.

	<u> </u>
SQL Installer (OFFLINE)	– 🗆 X
MySQL. Installer MySQL Server 8.0.39	Type and Networking Server Configuration Type Choose the correct server configuration type for this MySQL Server installation. This setting will define how much system resources are assigned to the MySQL Server instance.
Type and Networking	Config Type: Development Computer ~
Authentication Method	Connectivity
Accounts and Roles	Use the following controls to select how you would like to connect to this server.
Windows Service	✓ ICP/IP Port: 3500 X Protocol Port: 35000 ✓ Open Windows Firewall ports for network access
Server File Permissions	Named Pipe Name: MYSQL
Apply Configuration	Shared Memory Memory Name: MYSQL
	Advanced Configuration
	Select the check box below to get additional configuration pages where you can set advanced and logging options for this server instance.
	Show Advanced and Logging Options
	Next > Cancel

 The default selection of the first item, no need to operate, directly click 'Next' for the next step.



MySQL User Accounts

Apply Configuration

Create MySQL user accounts for your users and applications. Assign a role to the user that consists of a set of privileges.

MySQL User Name	Host	User Role		<u>A</u> dd User
				<u>E</u> dit User
				<u>D</u> elete
		< <u>B</u> ack	<u>N</u> ext >	<u>C</u> ancel

8. Confirm the MySQL database service name, and we can use the default. After confirmation, click "Next" for the next step.



10. Click "Execute" to the next step, and click Finish.



12. Click "Finish" to finish the installation.

SQL Installer (OFFLINE)	- 🗆 X
MySQL. Installer Adding Community	Installation Complete The installation procedure has been completed.
Choosing a Setup Type Installation	C <u>o</u> py Log to Clipboard
Product Configuration	
Installation Complete	
	<u> </u>
	SEPTOE
te: After the installatio	n is complete check whether the MySQL service is startin
need to keen it starte	.d

SMART TAG LEADER

3. Redis Installation

3.1 Installation Instructions

- 1. Download address: <u>https://pan.quark.cn/s/5271dc49239c</u> .
- 2. After the installation is complete, open the service to make sure it is run properly, and the service name defaults to Redis.

11

3.2 Installation Steps

 Open the Redis installation package, tick "I accept the terms in the License Agreement", and select "Next".



2. Select the database installation location and tick "Add the Redis installation folder

to the PATH environment variable". Select "Next".

Redis on Windows Setup		-		×
Destination Folder			2	
Click Next to install to the default folder or clic	k Change to cho	ose another.	red	is
Install Redis on Windows to:				
C:\Program Files\Redis\				
Change				
Add the Redis installation folder to the PATH	environment va	ariable.		
	Parte	Next	Const	
	Back	Next	Cance	9

www.eslmfg.com

12

3. Confirm the database port, the default port 6379, and click "Next" for the next step.

n in the term the state		-		×
Port Number and Firewall Exception Select whether to add an exception to the Windows Firewall for	or Redis.		red	lis
Port to run Redision:				
Port to full recuision.				
6379				
✓ Add an exception to the Windows Firewall.				
Back	Next		Cano	el
eed to operate, just click "Next" to proceed to	the ne	xt ste	<u>ер.</u> А	D
Redis on Windows Setup	-	-		\times
Redis on Windows Setup	-	-		×
Redis on Windows Setup Memory Limit Select whether to use a memory limit or not.	-	-	e red	×
Redis on Windows Setup Memory Limit Select whether to use a memory limit or not. Set the Max Memory limit	-	-	red	×
Redis on Windows Setup Memory Limit Select whether to use a memory limit or not. Set the Max Memory limit	-	-	red	×
Redis on Windows Setup Memory Limit Select whether to use a memory limit or not. Set the Max Memory limit Max Memory: 100 MB	-	-	red	×
Redis on Windows Setup Memory Limit Select whether to use a memory limit or not. Set the Max Memory limit Max Memory: 100 MB	-	-	red	×
Redis on Windows Setup Memory Limit Select whether to use a memory limit or not. Set the Max Memory limit Max Memory: 100 MB	-	-	red	×
Redis on Windows Setup Memory Limit Select whether to use a memory limit or not. Set the Max Memory limit Max Memory: 100 MB	-	-	red	is
Redis on Windows Setup Memory Limit Select whether to use a memory limit or not. Set the Max Memory limit Max Memory: 100 MB	-	-	red	×
Redis on Windows Setup Memory Limit Select whether to use a memory limit or not. Set the Max Memory limit Max Memory: 100 MB	-		red	×

4.

5. Click "Install" to start installing Redis and complete the installation.



4. Setup Installation

4.1 Installation Instructions

The version is constantly updated, please install the latest version when installed, the installation version is provided by the project manager.

4.2 Installation Steps

1. Open the Setup package and click "I agree".

_				
Lectronic price tag installer			×	┙┻╸╸
Install eRetail 3.2				
User Use Agreement				
Use protocol				
If you install, copy or otherwise use the Software Product, y	vou are deemed to	have agre	ed	
to the following terms and have entered into this Software Li	cense Agreement	(hereinaft	er	
referred to as "the Agreement") with our company If you do no	t agree to the t	erms of th	is	
Agreement, please do not install the Software. If you obtain the Twoding Contex through lewful chernels, you have the foll	any copy of the	Software f	rom	
the frading center the ough fawful channels, you have the for	.owing rights.			
1 Vsufruct				
You have the right to install the Software on your computer a	and use the Softw	are within		
the scope of your business to reproduce all the functions of	the Software.			
2. Tashai al Sura ant				
(1) You are entitled to full technical support from our co	mp op 1/			
	mp any.			
	Rafura	Å		ן ר
	Neruse	78 78	ree	

 Tip interface, installation to confirm the operating system environment, and database are installed, you need to install the environment before clicking "Next" to continue the installation.

	μ ESL Electronic price tag installer $-$		×	
	Install eRetail 3.2 , Prepare the following environment before y begin:	rou		•
				ł
	<u>1. Net6.0 Run the environment</u>			ł
l	<u>2x MySq1 Serve</u>			
	<u>3. Redis Serve</u>			1
l				ł
l				ł
l				ł
				ł
L	Cancel	Next		ł

3. Port, installation path parameters to fill in, for the program installation.

nstall eKetail	3.2, Set the	startup parame	eters			
Jame: eRetail_	V3. 2					
elect the install	ation location:	(approximately:	300MB)			
C:\Program Files (x8	6)\eRetail_V3.2					
Main program port Video service por	4000	TFT API Por	t: 4001	•		
Zet the firewall :	to open the curren	t port				
🕗 Mainprogram 🎽 Syn	chronization servi	ce	🗌 TFT A	PIserve 🗌)Video serv	ices
lot started						

16

> The name of the column can be changed, and it shouldn't have any Chinese characters, the default does not need to be modified, and multi-instance with the port to distinguish the name.

Select the installation location, install all 3.2 system files under the same path, convenient for subsequent viewing, and use the port to distinguish the naming of multiple instances.



The default port should not be changed as much as possible, it can change if you have special requirement, and the port should not have any confliction, and the access rights of the port need to open.

P Windows Defender Firewall wit	h Advanced Security		
<u>File</u> <u>Action</u> <u>View</u> <u>H</u> elp			
🗢 🏟 🖄 📰 🗟 🛐			
Windows Defender Firewall with	Inbound Rules		
Inbound Rules	Name	Group	Profile
Connection Security Rules	9071		All
> 🎚 Monitoring	4002		All
	3 4001		All
	1 m 1000		

17

➤ "main program" must be \checkmark , customers need to do data synchronization to do docking in the case of "synchronization services" need to be \checkmark , "TFTAPI service", "video service" is a TFT color screen or advertising screen with the program, if you need to use this type of label need to be \checkmark . "TFTAPI Service" and "Video Service" are the procedures for the TFT color screen or advertising screen, if you need to use this type of label need to \checkmark .

4. Database connection parameters should be filled in and click Finish.

μ ESL Electronic price t	ag installer —		×
Install eRetail	3.2, Please enter the following configuration:	1	
DatabaseIP:			
Database port:	3306		
Username:			
Password:			
Database name:	TitanDB		
Redis:			
Redis password:	Nullable		
Redis port:	6379 🗘 🚺 when deploying multiple instances, ea	ch instand	e+1;
Native IP:	✓ Flease enter the external access IP address	225	
		Finish	

Database The IP of the deployed My SQL database server, locally you can fill in 127.0.0.1.

Database Port - My SQL database port, the default port is 3306, if you have changed it, you need to fill in the changed port. Username - My SQL database account, default root, if you have changed it, you need to fill in the changed account.

Password - My SQL database password, default Pass99, if you have changed it, you need to fill in the changed password.

Database Name - A single instance can use the default name, and multiple \geq instances are distinguished by the master port, such as TitanDB5000.

 \geq Redis-Installed Redis database IP, local can fill 127.0.0.1.

Redis Ports - 6379 default port on page 8, if you change it earlier you need to change it here as well, add 1 to the number after multiple instances, select 1 for the second set of instances, select 2 for the third set of instances, and so on up to 15.

Iocal IP: local IP address or mapped IP address.

> After finishing, check whether the corresponding eRetail services can start normally, including the DataSync synchronization service, TFTApi service, VideoService video service, and the main program service. As shown in the figure below:

🧠 eRetail V3.2 eRetail V3.2 DataSync SeRetail V3.2 TFTApi eRetail V3.2 VideoService

5. After the installation is finished, it automatically switches to the website for system configuration and system activation. If the website cannot open, it may be due to the port access privilege is not open or the service is not starting.

	System Configuration -> System Activation	
System Configur	ation	۲
* Instance name	Please enter the instance name	
* Customer code	Please enter customer code	
Client name	Please enter customer name	
	Next	

DALIAN SERTAG TECHNOLOGY CO., LTD www.eslmfg.com

 $-\Delta$

- Instance name: ETAG+ Customer Pinyin, Customer English Name
- Customer Code: Customer Pinyin, Customer English Name.
- Customer name: Customer Pinyin, Customer English Name.
- Fill out the form and click Next.

Activation Type	Online Offline		
Device ID	296CEC936D937BB5DAC1A9FCA477B3D0	ø	
Device Code	JIHr1MHHY+UvsnPANz9ZK2N2dLogBxV3wFiX/qKSSql/9HX3DN8GDrgy21r340J rCfImGU9mxGAbKjS/mhgNpDwggfeH&zvbkiF0Fb2xScYrqetmtsig9UEQ202ygo M511Hk2yY9a6xA+73PW4LSXH&E40CjqqD0u4dwfEp7Lofll8d+76id6cl06LtdWZ+Y 2l6tyPqFM0LTUkmoGmh-dF2ST12keAqwehtnNahd1xXbC6ckmpa3V00lk15USL pzokzXA3e1W9PxlWWpHVLSdYfgL0r91oTic3M06jpvf5Z0fMktqeeh0f4sXEmaVb LR6m3A6e5n3LXxD6N5+ygUhzGBDz7FIIYLsoppisEj78gDyqYhQja8u24hx23yPA 6ingBdHM2YjGVAYidFMJYWhcYy8GYH+Ri/e1YWaob9D8gtKi4ddntg58sU0NLXd u7qmyYyRjY3ZYW1DTV6Fu9J9batGHxNX3n5xkT3ZMQDyhim3XXut/MwcC6fBmAa +tE0W	Ø	

System Configuration -> System Activation

Online activation (the server can access the extranet): click on activation - provide the three values filled in above to the project manager - wait for the project manager to activate - after activation - click on activation again.

Offline activation (server cannot access the extranet) - Provide the three values, device ID, and feature code filled in above to the project manager - Wait for the project manager to activate it - After activation - Click on activation again.

After activation, you will automatically enter the back-end of the electronic price tag system, and start to use the back-end of the electronic price tag system;

➢ For multi-instance deployment on the same server, the same values for instance name, customer code, and customer name fill in the same value without re-activation, and if the fill-in is not the same, you need to activate it again.