

SCS-VR™

VIRTUAL RECEIVER

PRE-UPGRADE CHECKLIST



COMPLETE THE CHECKLIST

As an SCS-VR Certified Technician, make sure you review and complete all the necessary tasks in this document before continuing with the upgrade process.

Dealer Name: _____ Date: _____

CHECK SYSTEM CONFIGURATION

Current version of SCS-VR: _____

SCS-VR site serial number: _____

☒ **SQL Server**

Is this SCS-VR UL Fire enabled? ☐ Yes ☐ No

Is SQL on the same machine as the Application Server? ☐ Yes ☐ No

Windows version (SQL Server): _____

SQL version (SQL Server): _____

SCS-VR database size: _____

MessageLog table row count: _____

▸ This can be found by running the following query: `SELECT COUNT(*) FROM messageLog.`

Total memory allocated to the operating system: _____

▸ At least 4GB should be allocated to the operating system.

Maximum memory allocated to SQL: _____

Minimum memory allocated to SQL: _____

Processors' model: _____

Number of processor cores (SQL Server): _____

☐ Recovery model set to Simple
▸ If not, set it to Simple.

☐ Auto-Close (SQL) set to False
▸ If not, set it to False.

If using a virtual machine for SQL:

☐ Resource Allocation (processors, RAM, etc.) configured to Statically assign
▸ If not, set it to Statically assign. It should not be Dynamic.

☒ **SCS-VR Application Server**

Is the Application Server on the same machine as SQL? ☐ Yes ☐ No

Windows version (Application Server): _____

Processors' model: _____

Number of processor cores (Application Server have) _____

Total installed memory: _____

Available storage drive space: _____

Java version: _____

Have you deployed Java Cryptography Extension (JCE)? ☐ Yes ☐ No

Are any of the Groups using encryption? ☐ Yes ☐ No

▸ If yes: ☐ AES-128 ☐ AES-256 ☐ Both

If using a virtual machine for SQL:

☐ Resource Allocation (processors, RAM, etc.) configured to Statically assign
▸ If not, set it to Statically assign. It should not be Dynamic.

☒ **Server Traffic**

Number of Events per day: _____

COMPLETE FINAL TASKS

- ☐ All the latest service packs and updates have been installed for Windows, SQL, and Java.
- ☐ All the latest security patches have been applied.
- ☐ The system has been rebooted and stable for at least 48 hours.
- ☐ The SQL database has been backed up.
- ☐ The server has a System Restore Image and System Restore has been tested successfully.
- ☐ IT Staff is on hand and available.
› Including Network Administrator, Database Administrator, System Administrator.
- ☐ In the event of a failure during update, I have a plan to revert to a previous working state.

DATABASE DETAILS

CONFIGURATION	VR PRIMARY	VR BACKUP
Database Name		
Host Address		
Port		
Username		
Password		
Backup Database Name		
Backup Host Address		
Backup Port		
Backup Username		
Backup Password		
Checkbox - Enable Trap Checking Yes/No		
Checkbox - Process Check-In Zero Yes/No		
Checkbox - Send Stored Messages Yes/No		

GROUP 1 DETAILS

GROUPS TAB	VR PRIMARY	VR BACKUP
Group Name		
Checkbox - Enable this Group on Server Yes/No		
Protocol	DMP	DMP
Port Number		
Checkbox - Enable TCP Yes/No		
Checkbox - Enable UDP Yes/No		
Container Format (e.g. %S%05g%5a %m%13x)		
Expected ACK (e.g. %6x)		
Outgoing ACK (e.g. %6x%13x)		
Message Expiration Delay		
Check Message Delection Delay		
Alarm Message Deletion Delay		
Other Message Deletion Delay		

OUTBOUND TAB OF AUTOMATION CONNECTIONS	VR PRIMARY	VR BACKUP
Primary IP		
Backup IP		
Port		
Port		
Checkbox - Keep Connections to Outbound Automation Servers Alive Yes/No		
Checkbox - Always Send Messages to Backup Server Yes/No		
Checkbox - Enable Inbound Automation Connections Yes/No		

INBOUND TAB OF AUTOMATION CONNECTIONS	VR PRIMARY	VR BACKUP
Primary IP		
Backup IP		
Port		
Port		

GROUP 2 DETAILS

GROUPS TAB	VR PRIMARY	VR BACKUP
Group Name		
Checkbox - Enable this Group on Server Yes/No		
Protocol	DMP	DMP
Port Number		
Checkbox - Enable TCP Yes/No		
Checkbox - Enable UDP Yes/No		
Container Format (e.g. %S%05g%5a %m%13x)		
Expected ACK (e.g. %6x)		
Outgoing ACK (e.g. %6x%13x)		
Message Expiration Delay		
Check Message Delection Delay		
Alarm Message Deletion Delay		
Other Message Deletion Delay		

OUTBOUND TAB OF AUTOMATION CONNECTIONS	VR PRIMARY	VR BACKUP
Primary IP		
Backup IP		
Port		
Port		
Checkbox - Keep Connections to Outbound Automation Servers Alive Yes/No		
Checkbox - Always Send Messages to Backup Server Yes/No		
Checkbox - Enable Inbound Automation Connections Yes/No		

INBOUND TAB OF AUTOMATION CONNECTIONS	VR PRIMARY	VR BACKUP
Primary IP		
Backup IP		
Port		
Port		

GROUP 3 DETAILS

GROUPS TAB	VR PRIMARY	VR BACKUP
Group Name		
Checkbox - Enable this Group on Server Yes/No		
Protocol	DMP	DMP
Port Number		
Checkbox - Enable TCP Yes/No		
Checkbox - Enable UDP Yes/No		
Container Format (e.g. %S%05g%5a %m%13x)		
Expected ACK (e.g. %6x)		
Outgoing ACK (e.g. %6x%13x)		
Message Expiration Delay		
Check Message Delection Delay		
Alarm Message Deletion Delay		
Other Message Deletion Delay		

OUTBOUND TAB OF AUTOMATION CONNECTIONS	VR PRIMARY	VR BACKUP
Primary IP		
Backup IP		
Port		
Port		
Checkbox - Keep Connections to Outbound Automation Servers Alive Yes/No		
Checkbox - Always Send Messages to Backup Server Yes/No		
Checkbox - Enable Inbound Automation Connections Yes/No		

INBOUND TAB OF AUTOMATION CONNECTIONS	VR PRIMARY	VR BACKUP
Primary IP		
Backup IP		
Port		
Port		

GROUP 4 DETAILS

GROUPS TAB	VR PRIMARY	VR BACKUP
Group Name		
Checkbox - Enable this Group on Server Yes/No		
Protocol	DMP	DMP
Port Number		
Checkbox - Enable TCP Yes/No		
Checkbox - Enable UDP Yes/No		
Container Format (e.g. %S%05g%5a %m%13x)		
Expected ACK (e.g. %6x)		
Outgoing ACK (e.g. %6x%13x)		
Message Expiration Delay		
Check Message Delection Delay		
Alarm Message Deletion Delay		
Other Message Deletion Delay		

OUTBOUND TAB OF AUTOMATION CONNECTIONS	VR PRIMARY	VR BACKUP
Primary IP		
Backup IP		
Port		
Port		
Checkbox - Keep Connections to Outbound Automation Servers Alive Yes/No		
Checkbox - Always Send Messages to Backup Server Yes/No		
Checkbox - Enable Inbound Automation Connections Yes/No		

INBOUND TAB OF AUTOMATION CONNECTIONS	VR PRIMARY	VR BACKUP
Primary IP		
Backup IP		
Port		
Port		

GROUP 5 DETAILS

GROUPS TAB	VR PRIMARY	VR BACKUP
Group Name		
Checkbox - Enable this Group on Server Yes/No		
Protocol	DMP	DMP
Port Number		
Checkbox - Enable TCP Yes/No		
Checkbox - Enable UDP Yes/No		
Container Format (e.g. %S%05g%5a %m%13x)		
Expected ACK (e.g. %6x)		
Outgoing ACK (e.g. %6x%13x)		
Message Expiration Delay		
Check Message Delection Delay		
Alarm Message Deletion Delay		
Other Message Deletion Delay		

OUTBOUND TAB OF AUTOMATION CONNECTIONS	VR PRIMARY	VR BACKUP
Primary IP		
Backup IP		
Port		
Port		
Checkbox - Keep Connections to Outbound Automation Servers Alive Yes/No		
Checkbox - Always Send Messages to Backup Server Yes/No		
Checkbox - Enable Inbound Automation Connections Yes/No		

INBOUND TAB OF AUTOMATION CONNECTIONS	VR PRIMARY	VR BACKUP
Primary IP		
Backup IP		
Port		
Port		



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