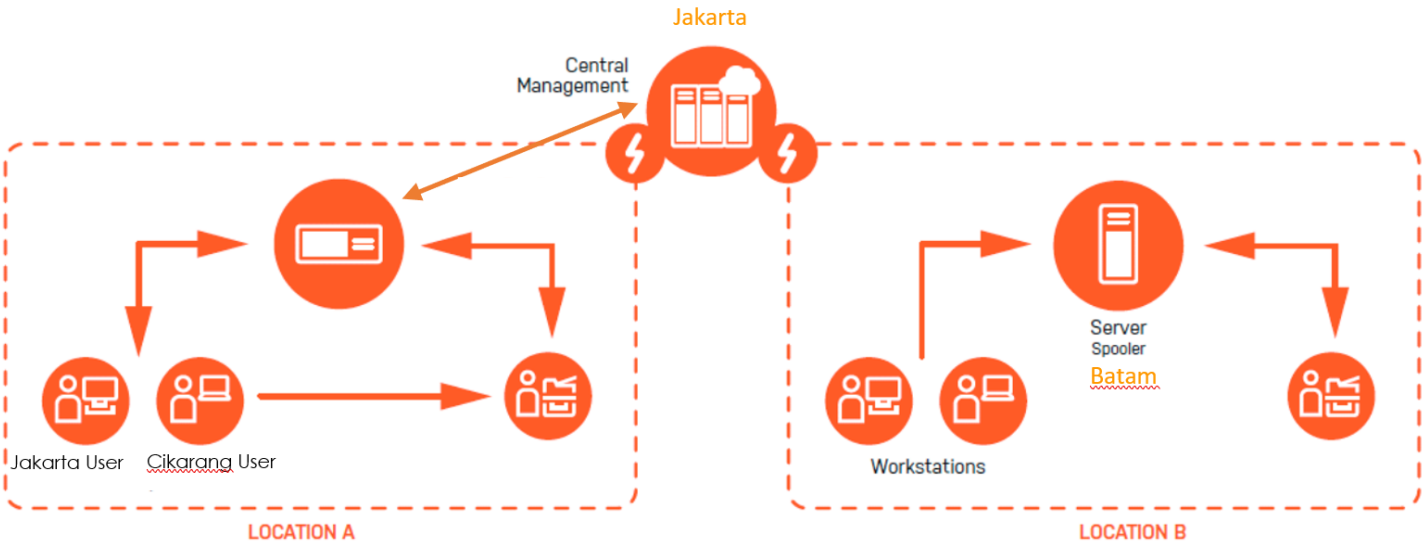


# Server Specification:

Operating System	YSoft SafeQ Management Server/ Site Server
Microsoft Windows Server 2012 R2 64bit	✓
Microsoft Windows Server 2016 64bit	✓
Microsoft Windows Server 2019 64bit	✓
Microsoft Windows Server 2022 64bit	✓

MINIMUM SERVER REQUIREMENT
Dual Core 2GHz or faster processor
8GB free RAM
1Gbps network connection (LAN)
100GB of free disk space (after installation)
Connection to storage with a throughput of at least 150MB/s and 300 IOPS

# Diagram:



# LIST PORT:

# Management

Client side	Server side	Unsecured server side port	Secured server side port	Application protocols	Network protocols	Transferred data
User	Management	80	443	HTTP/HTTPS	TCP	User credentials, settings, GUID
Management	Management	6020	6020	Proprietary	TCP	Synchronization info, system properties values
Spooler Controller	Management	6010	6010	Proprietary	TCP	Configuration, User data, Workflow data
Payment machine (SPM)	Management	4096	n/a	Proprietary	TCP	Firmware update
Payment machine (SPM)	Management	64099	n/a	Proprietary	UDP	Server discovery
User	Management	80	443	HTTP/HTTPS	TCP	Credentials, availability status, LDAP settings, Device information
ProactiveCare	Management	19898	n/a	JMX, JMX RMI	TCP	System state
Management	Management	4099	n/a			ServerSync

# Spooler Controller

Client side	Server side	Unsecured server side port	Secured server side port	Application protocols	Network protocols	Transferred data
Spooler Controller	Spooler Controller	5555	5555	Proprietary	TCP	Configuration
Management	Spooler Controller	5020	n/a	HTTP	TCP	Job preview
Mobile Integration Gateway	Spooler Controller	5555	5555	Proprietary	TCP	User credentials, configuration
End User Interface	Spooler Controller	5555	5555	Proprietary	TCP	Configuration
Mobile Print Server	Spooler Controller	5555	5555	Proprietary	TCP	Configuration, user credentials
FlexiSpooler server/client spooling	Spooler Controller	5555	5555	Proprietary	TCP	User credentials, configuration
Flexispooler	Spooler Controller	5566	n/a	HTTP	TCP	Print job accounting information
Terminal Server	Spooler Controller	5556	n/a	Proprietary	TCP	Configuration, notification about terminal management and user sessions
Terminal Server	Spooler Controller	5020	n/a	HTTP	TCP	Job preview
Workflow Processing System	Spooler Controller	5555	5555	Proprietary	TCP	Configuration, User data, Workflow data
Payment System	Spooler Controller	5556	n/a	Proprietary	TCP	Configuration, license, user credentials, card assignment

Client side	Server side	Unsecured server side port	Secured server side port	Application protocols	Network protocols	Transferred data
ProactiveCare	Spooler Controller	9000	n/a	JMX RMI	TCP	System state
ProactiveCare	Spooler Controller	9898	n/a	JMX	TCP	System state
ProactiveCare	Spooler Controller group	9999	n/a	JMX	TCP	System state
ProactiveCare	Spooler Controller group	19044	n/a	JMX RMI	TCP	System state
Job Service	Spooler Controller	5555	n/a	YMQ	TCP	Configuration, job preview image
Identity Server	Spooler Controller	5555	5555	Proprietary	TCP	Use
Embedded terminal for Ricoh	Terminal Server	5011	5012	HTTP/HTTPS	TCP	Web services
Embedded terminal for Ricoh	Terminal Server	5021	5022	HTTP/HTTPS	TCP	User credentials
Terminal Server	MFD	1024-65535	n/a	FTP - active		Scanned document. This is used only when the MFD uploads data using active FTP. Port range 1024-65535 is dependent on the FTP settings of the MFD.
Spooler	MFD	User defined	User defined	JetDirect, IPP, IPPS		TCP Job data

# Database server

Client side	Server side	Unsecured server side port	Secured server side port	Application protocols	Network protocols	Transferred data
Management	Database server (PGSQL)	5432 (External) / 5433 (Embedded)	5432 (External) / 5433 (Embedded)	TCP/TCP over TLS	TCP	User info, job info, statistics, configuration, etc.
Database server (PGSQL)	Database server (PGSQL)	5432	5432	TCP/TCP over TLS	TCP	User info, job info, statistics, configuration, etc.

## LDAP

Client side	Server side	Unsecured server side port	Secured server side port	Application protocols	Network protocols	Transferred data
Management	LDAP Replicator service	9696	n/a	JMX	TCP	User data
Management	LDAP Replicator service	9002	n/a	JMX RMI	TCP	User data
LDAP Replicator service	LDAP Server	User defined	User defined	LDAP/LDAPS	TCP	User data, LDAP credentials
Management	LDAP Server	User defined	User defined	LDAP/LDAPS	TCP	User credentials