

Speedwell Weather



# **Speedwell Weather System**

**SWSVs 11**

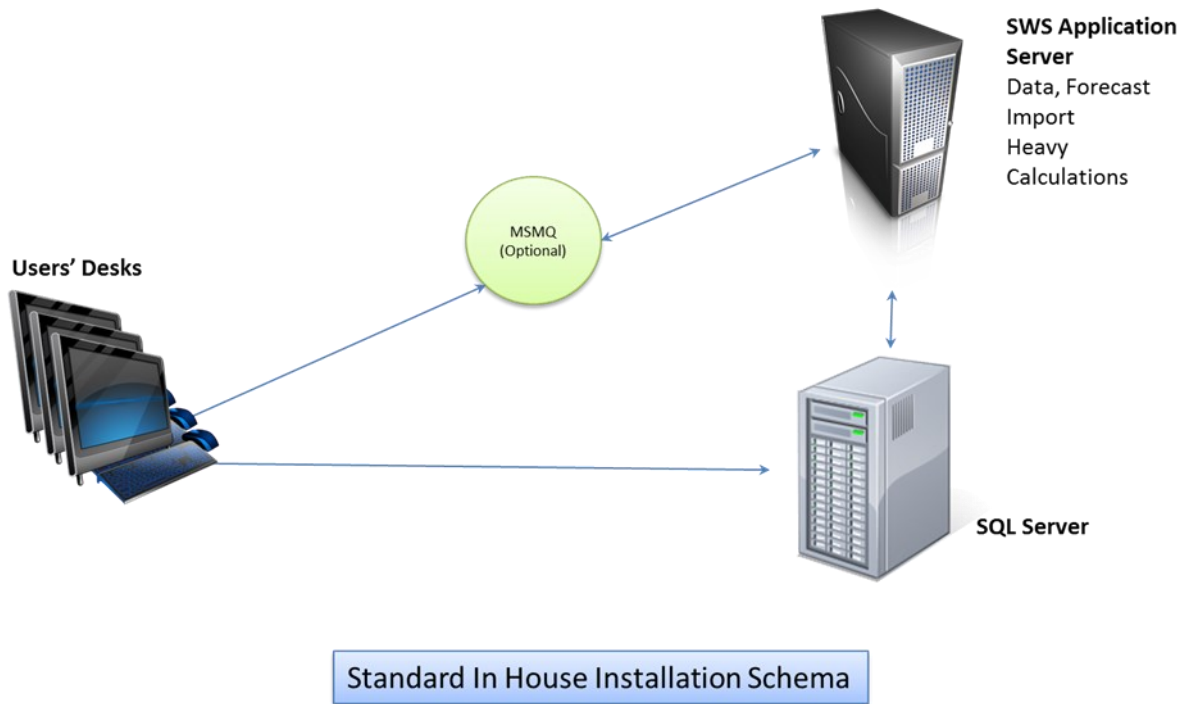
**The Open Weather Derivative Pricing and Risk Management System**

## **Technical Requirements for Internal Installation**

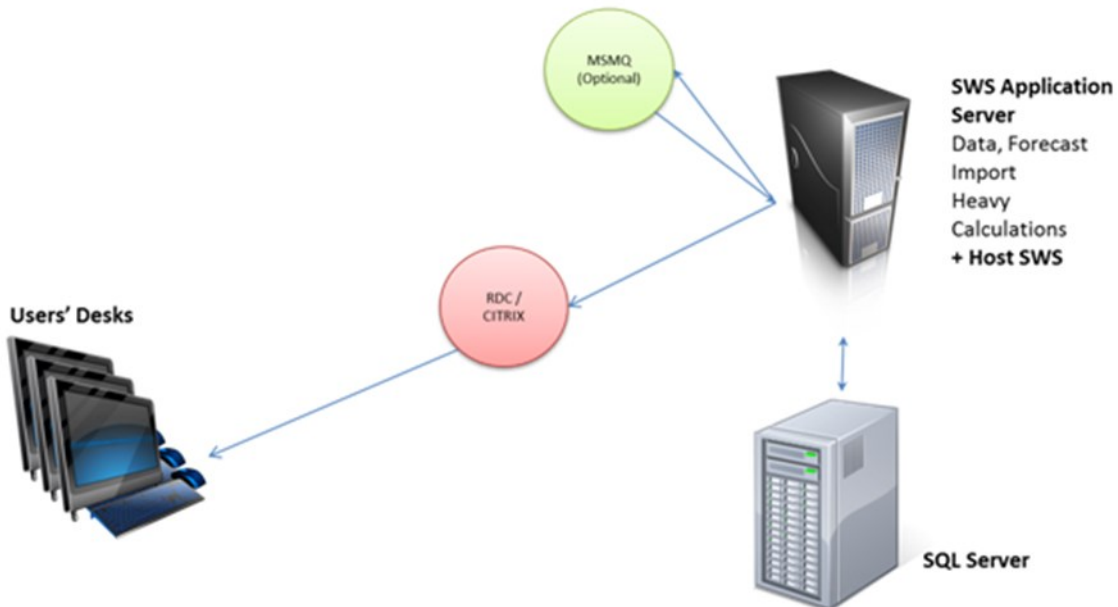




The schema below gives an overview of the standard SWS deployment.



The alternative, which we recommend, is to install SWS on a Windows Server machine and provide users access through Remote Desktop Connection or CITRIX as shown below. This configuration simplifies installation and maintenance:





## SWS Application Server Specifications

- **Operating system:** Win2008 Server with SP2 or later including 2012. Both 32-bit and 64-bit versions are supported (Please use installer SWSSetup\_x64.exe for 64 bit machines and SWSSetup\_x86.exe for 32 bit machines)

### - Specification

**Processors:** Minimum Intel i5 Quad Core Processor @ 2GHz, recommended i7 Quad Core @ 2.6GHz.

**Memory:** 8 GB RAM.

**Disk drive space:** 50 GB free (depending on the number of historical datasets to be recorded in the database and file archiving process).

**.Net Framework:** 4.5.2

**Microsoft Office:** version 2010 or above if installing the Contracts & Invoices module

## SQL Server Specifications

**Version:** MS SQL Server 2008 (deprecated), 2012 or 2014. Both 32-bit and 64-bit versions are supported. 64-bit is recommended. Standard and Enterprise Editions are both supported. The Enterprise edition is recommended for seamless maintenance.

**Collation:** The database uses the collation Latin1\_General\_CI\_AS. The SQL Server instance on which the database is restored on must have the same collation.

When installing SQL Server 2012 this is specified by choosing the Windows Collation 'Latin1\_General' and ticking the Accent Sensitive option.

**Memory:** 3GB of RAM minimum dedicated to the DB. For SWS Enterprise clients with many users we recommend a minimum 8 GB of RAM or at least 10% of the database disk size whichever is the higher.

**Disk Drive:** RAID 5 (three 10K RPM drives minimum), 6 (four 10K RPM drives minimum) or RAID 10 (four 10K RPM drives minimum) configuration for the data (usage usually between 10GB to 200GB) and dedicated RAID1 (15K RPM drive) for the transaction log (usually up to max 20GB per day depending on transaction log back up logic and maintenance plans)

## SWS Client Machines Specifications

**Operating system:** Windows 7, 8, 8.1, 10, 2008 and 2012. Both 32-bit and 64-bit version are supported. (Please use installer SWSSetup\_x64.exe for 64 bit machines and SWSSetup\_x86.exe for 32 bit machines)

**Processors:** Minimum Quad Core Intel i5 processor, 2.0GHz Intel processor. i7 3GHz recommended

**Memory:** Min 4 GB. 8 GB Recommended

**Disk drive:** Minimum 20 GB free. Standard set up requires 1 GB.



**Screen resolution:** minimum 1024x768, 256 colours. We recommend 1280x1024 16-bit colours. Multiple screens supported.

**.Net Framework:** 4.5.2

**Microsoft Office :** version 2010 or above if installing the Contracts & Invoices module

Additional reporting and exporting functions within SWS may require MS Office 2010 or higher applications including Word, Excel and PowerPoint\*.

### Network/Software Requirements:

SWS uses MSMQ, SQL Server which all use their respective ports as documented by Microsoft.

The SWS .Net Servers may be configured to use the following TCP/IP port: 6325, 6326, 6327 and 6328.  
The SWS .Net client may be configured to use the following TCP/IP port: 8524.

The SWS .Net client and server port numbers are configurable.

For more information concerning network setup for MSMQ Access please refer to:

<http://support.microsoft.com/kb/q183293/>

SQL Server uses UDP port 4333 and 1434 to establish communications

For more information concerning TCP Ports Needed for Communication to SQL Server Through a Firewall

<http://support.microsoft.com/default.aspx?scid=kb;en-us;287932>

### Other

SWS can be deployed using VM Ware and Citrix

## Contact Us

Regarding software and consultancy services please see [www.SpeedwellWeather.com](http://www.SpeedwellWeather.com) or contact:

Stephen Doherty [stephen.doherty@SpeedwellWeather.com](mailto:stephen.doherty@SpeedwellWeather.com)

Dr Michael Moreno [michael.moreno@SpeedwellWeather.com](mailto:michael.moreno@SpeedwellWeather.com)

David Whitehead (U.S) [david.whitehead@SpeedwellWeather.com](mailto:david.whitehead@SpeedwellWeather.com)

Regarding world-wide weather data and forecast matters please see [www.SpeedwellWeather.com](http://www.SpeedwellWeather.com) or contact:

Phil Hayes [phil.hayes@SpeedwellWeather.com](mailto:phil.hayes@SpeedwellWeather.com)

David Whitehead (U.S) [david.whitehead@SpeedwellWeather.com](mailto:david.whitehead@SpeedwellWeather.com)

### Telephone:

UK office: +44 (0) 1582 465 569

US office: + 1 (0) 843 737 4843

Address UK: Mardall House, Vaughan Rd, Harpenden, Herts, AL5 4HU

Address USA: 418 King St, Floor 2, Charleston, SC 29403, USA

**SWS is used by banks, funds, insurance and energy companies worldwide. If you think SWS could help your business we would be happy to offer you a demonstration of the product's capabilities.**

Speedwell Weather Limited

Mardall House 9-11,  
Vaughan Road, Harpenden,  
Hertfordshire, AL5 4HU.

T: +44 (0) 1582 465 551

E: [info@speedwellweather.com](mailto:info@speedwellweather.com)

**Harpenden, UK** | Charleston, SC, USA

[www.speedwellweather.com](http://www.speedwellweather.com)