



Estimated Server Specifications

Release 14

(Revised 11.15.2012)

Application and Database Server – Windows

Hardware:

- Server-class machine with:
 - 64-bit version of Windows 2008, 2008R2, or Windows 2012

Recommendations:

- Multi-core CPU subsystems are supported
- Memory:
 - 8GB (or more) base RAM
 - Increase accordingly if running RDBMS local to application server
 - Add another 4GB of RAM for every 50 users. (100 users = minimum 16GB RAM)
- 4 GB of disk space for each separate Computron environment (e.g. Test, Production, etc.), preferably across separate disks.
- Appropriate hard disk configuration (RAID, etc.)

Software/Hardware:

- Please refer to the Computron Support Grid for the latest information

Network:

- 1GB Ethernet recommended

Application and Database Server – Unix

Hardware:

- Multi-core CPU subsystems are supported
- 8 GB (or more) memory (increase accordingly if running RDBMS local to application server)
- Add another 4GB of RAM for every 50 users. (100 users = minimum 16GB RAM)
- 4 GB of disk space for each Computron environment (e.g. Test, Prod, etc.), preferably across separate disks.
- Appropriate hard disk configuration (RAID, etc.)

Software/Hardware:

Please refer to the Computron Support Grid for the latest information

Network:

- 1GB Ethernet recommended

WEB Server – Windows

**Required for:
WEBDesk, e-Cellerators, G2**

Hardware:

Same specifications/memory requirements as application/database server.

Software:

- IIS 7/7.5/8 with IIS 6 Management Compatibility (with all options installed) for Windows 2008, Windows 2008R2, or Windows 2012
- Forms & Fonts and PCL2PDF required for publication-quality printing

Network:

- 1GB Ethernet recommended
- For large installations, consider load-balancing software.

Hardware:

High-end Desktop machine (or Server-class machine) running:
Win 2003 SP2, 2003R2 SP2, Win XP Pro, or Windows Vista on an Intel 32-bit processor ¹

Recommendations:

- Dual-core (or better) CPU
- 4 GB (or more) memory
- 40GB Disk Space for Crystal Reports and Crystal Engine

Software:

- Computron VBAUI (provides CTCIO support)
- Crystal Developer 10 , XI, or XI R2
- Oracle Client (this is required only if Oracle data source will be used) ²
- Sybase Client (only required if Sybase data source will be used) ²

The following software is installed by engine installer:

- Crystal Developer runtime files ³
- CR ODBC XML Driver 4.20
- CR Oracle ODBC Driver 4.20
- MDAC 2.8 (optionally installed)
- MSXML 4 (optionally installed)

Network:

- 1GB Ethernet recommended

- ¹ Windows 2008, 2008R2, 2012, and Windows 7 & 8 are not certified for the Crystal Engine at this time. Also, some versions of Crystal have known compatibility issues with 64-bit architecture.
- ² The version of database client software installed on the Crystal Engine PC must match the version of the database server software.
- ³ One Crystal Developer license is required for the Engine PC. Separate Crystal Developer licenses are required for any users who will be using their desktop PCs to create or customize reports.

Third Party Software

- **MKS Toolkit** – version 9.x
 - For existing installations, version 9.2 is still supported.
 - For new installations on Windows 2008 or 2008R2, version 9.4 or 9.4.01 are supported.
 - For new installations on Windows 2012, version 9.5 is supported.
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NOTE: As of MKS Toolkit version 9.4, there are different license requirements, so any copies of version 9.4 or 9.5 MUST be obtained directly from Computron.)
- **PCL2PDF** – version 5 or higher.
- **Kofax ImageControls**
 - Image Viewing – version 4.x now included with VBAUI
 - Image Scanning – version 4.x OR Virtual Re-Scan 3.x or higher (this includes ImageControls and is used for interfacing with USB scanners)
- **Adobe Acrobat Reader** – any reasonably current version.
- **UWIN** will be supported as an alternative to MKS Toolkit in the future. Initial version 14 installs still require MKS Toolkit.