

Aware End User Requirements

Aware Enterprise is a Microsoft® based software application. Below are the Browser and Operating System standards for **Aware** Enterprise user computers as of January 1, 2016.

Browser	Compatibility	Operating System
Internet Explorer® 11	Recommended	Windows® 8.1
Internet Explorer 10	Acceptable	Windows 8 Windows 7
Google Chrome	Acceptable	Multiple
Mozilla Firefox	Acceptable	Multiple
Apple Safari	Acceptable	Mac OS and iOS

Computer Minimum Requirements

- Intel® Pentium® Dual Core 2.4 gigahertz (GHz)
- 4 gigabyte (GB) RAM (32-bit or 64-bit)
- 2 GB free disk space

Aware Server Requirements

Minimum Server Hardware and Software Requirements

The tables below show the minimum recommended configuration for each discrete server used to host the **Aware** system web application and database components. The recommended number of users is noted for each table.

The number of discrete servers used will vary based on the design goals of the agency, such as multiple web servers for load balancing or multiple database servers for Microsoft SQL Server® failover clustering.

Aware Web Server(s) per 350 Concurrent Users

Alliance recommends that you provide redundancy with your web servers and set up at least two web servers using the recommendation below and configure them using load balancing with affinity so that you provide an AlwaysOn Availability.

If using virtual machines (VMs) for your servers, it is recommend that you provide 25% additional processor capability, as there is a possibility of a 25% degradation between bare-metal servers and VMs.

Component	Recommended Minimum
Processor	Dual Quad-Core 2.66 GHz Intel® Xeon® processor or equivalent, 64-bit
Memory	6 GB ECC RAM
Storage	Hardware RAID storage with 100 GB operating system partition, and 200 GB data partition; SAS 15K drives (or equivalent) or Solid State Drives
Network	1 GB Ethernet server class NIC; additional NIC for clustered web servers
Operating System	Microsoft Windows Server® 2008 R2 Standard; Enterprise/Datacenter 64-bit
Other Software	Adobe® Reader® - Current Version

Aware Database Server(s) per 1,500 Concurrent Users

Alliance recommends that you provide redundancy with your database server and set up two identical servers running SQL Server using the recommendation below and configure them in a failover cluster configuration so that you provide an Always on Availability.

If using virtual machines (VMs) for your servers, it is recommend that you provide 25% additional processor capability, as there is a possibility of a 25% degradation between bare-metal servers and VMs.

Component	Recommended Minimum
Processor	Dual Quad-Core 2.66 GHz Intel Xeon or equivalent, 64-bit
Memory	16 GB ECC RAM ¹
Storage	Hardware RAID storage with 100 GB operating system partition, and 100 GB log partition, and 400 GB data partition; SAS 15K Drives (or equivalent) or Solid State Disks
Network	1 GB Ethernet server class NIC; Additional NIC for clustered servers
Operating System	Microsoft Windows Server 2008 R2 Standard; Enterprise/Datacenter 64-bit
Database System	Microsoft SQL Server 2008 R2 Standard 64-bit

It is currently required to apply all incremental upgrade releases in succession using the Installer until the target release is achieved. This has proven to take the least time overall and produces the best result.

Threat Management Gateway Server(s) per 1,000 Concurrent Users

For agencies without existing web server proxy firewalls, Alliance recommends Microsoft Forefront® Threat Management Gateway (TMG) server. This product provides extensive security benefits including web proxy, application-level threat filtering, Kerberos security support, and intrusion detection and prevention. Additionally, TMG server provides integrated web server load balancing and high-availability clustering capabilities.

Component	Recommended Minimum
Processor	One Quad-Core 2.66 GHz Intel Xeon or equivalent, 64-bit
Memory	4 GB ECC RAM
Storage	Hardware RAID storage with 100 GB operating system partition, and 100 GB data partition; SAS 15K Drives (or equivalent) or Solid State Drives
Network	1 GB Ethernet server class NIC; additional NIC for clustered servers
Operating System	Microsoft Windows Server 2008 R2 Standard; Enterprise/Datacenter 64-bit (required for TMG array)

¹ For databases over 16 GB, additional memory may be required for optimal performance.