

PRODUCT DATASHEET

AVEVA Asset Strategy Optimization

Match Maintenance Strategy to Asset Criticality with AVEVA Asset Strategy Optimization

The competitive landscape of industrial markets forces companies to drive as much cost out of their operations as possible while maximizing return on asset investment. AVEVA Asset Strategy Optimization helps businesses improve asset performance by integrating risk-based maintenance into an overall asset performance management strategy. The software generates optimized maintenance and spare parts strategies by first looking at the company's business strategy and objectives, and then prioritizing actions down to an individual asset level to maximize return on asset investment.



Hardware Recommendations

AVEVA Asset Strategy Optimization is a client-server application with two core processes:

Business Value

- Data service processes
- Application processes

Data Service Processes

The AVEVA Asset Strategy Optimization data is stored within a Microsoft SQL Server database. The server hard disk and memory are an important factor in database performance. When using a central database server the amount of (other) applications and concurrent users should be taken into account, since these will affect the user (performance) experience.

Application Processes

Standard administrative tasks within the applications (such as data entry and lookup) are light weighted and will have a small impact on system resources. The simulation is very CPU and memory demanding process: the CPU and amount of memory determine the performance of this process. Reports and data retrieval of large models demand a fast data connection to the database server. The speed and stability of the network are also of influence for the database connection.

List With Hardware Recommendations

Hardware recommendations are divided into two categories; standard and intense use. The user experience is dependent on the size of the models, and the amount of use of data- and calculation intense functionalities within AVEVA Asset Strategy Optimization.

The following guidelines can be taken into account:

Standard Use

- Small to average sized (FMECA) systems (indication: models with less than 500 subsystems/parts)
- Incidental use of the simulation
- Incidental use of import/export

Intense Use

- Large to very large (FMECA) systems (indication: models with more than 500 subsystems/parts)
- Frequent use of the simulation
- Frequent use of import/export

	Standard use	Intense use
Standalone	CPU: Intel Core I5 of better Memory: 4 GB of better Hard disk: SATA, 7200 RPM	CPU: Intel Core I7 Memory: 8 GB of better Hard disk: SATA, 7200 RPM, RAID-5, SCSI, SSD
Network	Workstation See stand-alone configurations Database server CPU: Intel Core I5 of better Memory: 4GB of better Hard disk: SATA, SCSI Network connection 100 MBit of better	Workstation See stand-alone configurations, additionally: Hard disk: SATA 7200 RPM Database server CPU: Intel Core I7 Memory: 8GB of better Hard disk: SCSI, RAID-5 , SSD Network connection 100 MBit of better
Virtualized (Citrix, App-V)	Workstation See remote desktop requirements: https://technet.microsoft.com/enus/library/hh831447.aspx Application Server OS: Server 2008R2 or newer CPU: Intel XEON 2-cores @ 2.2GHz Memory: 16GB Hard disk: 120GB Internet/network connection 100 MBit up/down available for use of Risk-based Maintenance SQL Server OS: SQL Server 2008R2 or newer CPU: Intel XEON 2-cores @ 2.2GHz Memory: 12GB Hard disk: 120GB Internet/network connection 100MBit up/down available for use of Risk-based Maintenance	Workstation See remote desktop requirements: https://technet.microsoft.com/enus/library/hh831447.aspx Application Server OS: Server 2008R2 or newer CPU: Intel XEON 2-cores @ 2.4GHz Memory: 32GB Hard disk: 250GB Internet/network connection 100 MBit up/down available for use of Risk-based Maintenance SQL Server OS: SQL Server 2008R2 or newer CPU: Intel XEON 2-cores @ 2.4GHz Memory: 16GB Hard disk: 250GB Internet/network connection 100MBit up/down available for use of Risk-based Maintenance



Software Requirements

Standalone	<p>Operating system⁽¹⁾</p> <ul style="list-style-type: none">• Microsoft Windows 10• Microsoft Windows 8 / 8.1• Microsoft Windows 7 <p>⁽¹⁾ AVEVA Asset Strategy Optimization runs in 32-bit mode on 64-bit environments</p> <p>SQL Server software</p> <ul style="list-style-type: none">• SQL Server 2008 R2 or newer <p>Express editions of Microsoft SQL Server are supported.</p> <p>Other</p> <p>Microsoft .NET Framework 4.5</p> <p>Internet Explorer 7 or newer (for consulting the documentation)</p> <p>Database backup options</p>
Network	<p>Workstation: Operating system ⁽¹⁾</p> <ul style="list-style-type: none">• Microsoft Windows 10• Microsoft Windows 8 / 8.1• Microsoft Windows 7 <p>⁽¹⁾ AVEVA Asset Strategy Optimization runs in 32-bit mode on 64-bit environments</p> <p>Workstation: Other</p> <ul style="list-style-type: none">• Microsoft .NET Framework 4.5• Internet Explorer 7 or newer (for consulting the documentation) <p>Database server: Operating system</p> <ul style="list-style-type: none">• Microsoft Windows Server 2008 or newer <p>Database server: SQL Server software</p> <ul style="list-style-type: none">• SQL Server 2008 R2 or newer <p>Database server: Other</p> <ul style="list-style-type: none">• Database backup options• SQL Service must be available over the by SQL Server assigned network ports
Hosting	<p>General</p> <p>AVEVA Asset Strategy Optimization can be delivered in a hosted environment, based on Microsoft Azure®.</p> <p>System requirements:</p> <ul style="list-style-type: none">• Microsoft Internet Explorer version 10 or higher• (Chrome, Edge and Firefox are not supported, but have been reported to work, although without single sign-on)• Secure tunnel RDP connection• Microsoft Windows 7 or newer• Network connection• MSTSC RDP version 8.0 or higher

Questions?

If you have any additional questions please contact our customers support. If for any reason the performance of the software is not living up to your expectations, while taken the above system requirements into account, our helpdesk employees or consultants can provide technical or functional support. If you have any questions regarding the installation of the software, refer to the AVEVA Asset Strategy Optimization installation manual, or contact our support desk for instructions.

Contact us: sw.aveva.com/contact