

A large, light blue wireframe sphere is positioned on the left side of the page, partially obscured by the title text. It features a grid of lines that create a three-dimensional effect.

**AVEVA**

MARINE

# **AVEVA Marine 12.0**

## **Minimum System Requirements**

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First published November 2007

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## Contents

<i>AVEVA Marine 12.0 Minimum System Requirements</i>	<i>2</i>
<i>Windows Workstation</i>	<i>2</i>
<i>Workstation Notes</i>	<i>2</i>
<i>Windows Server</i>	<i>4</i>
<i>Server Notes</i>	<i>4</i>
<i>AVEVA Software Installation</i>	<i>4</i>
<i>Licensing AVEVA Marine 12.0</i>	<i>5</i>
<i>.NET Framework Versions for AVEVA Marine 12.0</i>	<i>5</i>
<i>Changing .NET Configuration Files</i>	<i>5</i>

# AVEVA Marine 12.0 Minimum System Requirements

## Windows Workstation

AVEVA Marine 12.0 is normally installed on workstations, and projects are normally stored on a Network Server.

### Minimum System Requirements:

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<b>OS</b>	Windows XP Pro SP2, plus .NET 2.0
<b>CPU</b>	2 GHz Intel P4 (2.4 GHz Pentium D recommended)
<b>RAM</b>	1 GB DDR RAM (2GB Recommended)
<b>HDD</b>	see HDD in Workstation Notes below
<b>Display</b>	1280x1024 dpi (Dual display recommended)
<b>Graphics</b>	see Graphics in Workstation Notes below
<b>File System</b>	NTFS (for information on converting to NTFS, please see <a href="http://technet.microsoft.com/en-us/library/bb456984.aspx">http://technet.microsoft.com/en-us/library/bb456984.aspx</a> )
<b>Network</b>	100 Mb/sec LAN (Gigabit recommended)
<b>Firewall</b>	Microsoft ICF disabled (see Workstation Notes below)
<b>Other</b>	Scroll mouse CD /DVD drive  MS VISIO 2003 SP2 Standard edition (for Marine Diagrams) Adobe SVG Viewer (for AVEVA P&ID 3D Integrator) Download from: <a href="http://www.adobe.com/svg/viewer/install/main.html">http://www.adobe.com/svg/viewer/install/main.html</a>

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## Workstation Notes

**OS:** AVEVA Marine 12.0 cannot be used on Microsoft Windows 2000 or Microsoft Vista.

Linux, Unix, and Mac OS X are not supported.

**HDD:** The use of two SATA-300 RAID HDDs is recommended where projects are stored on the local machine.

Although a full AVEVA Marine 12.0 software installation requires approximately 750MB of drive space, extra capacity is required if you store project files and databases on the workstation. Please contact your local AVEVA Support Office if you require more information.

**Licensing:** Flexman 3.1 SP1 licences cannot be served on systems running Microsoft Vista.

**Graphics:** To view Verified Graphic Reports, go to: <http://www.aveva.com/support/>

**Firewall:** If Microsoft's Internet Connection Firewall (ICF) is left enabled (default), it must be configured to enable access to the database server and the license server.

**GUI:** Please note that the AVEVA Design Platform (version 11.6 onwards) requires Arial Unicode MS font for its .NET GUI.

This is supplied with Microsoft Office (version 2000 onwards) and also with Microsoft Visio, and is normally installed automatically when using these products on Windows XP. For further

information, please refer to <http://office.microsoft.com/en-us/help/HP052558401033.aspx>. If this font is not installed, some of the text in the user interface (e.g. Explorer) may become illegible.

**Microsoft Security Patches:**

Certain parts of the product will produce errors if Microsoft Security Patch **NDP20-KB928365-X86.exe** is not installed.

This patch is described in Microsoft's article: *Description of the security update for the .NET Framework 2.0 for Windows Server 2003, Windows XP, and Windows 2000: July 10, 2007*, <http://support.microsoft.com/?kbid=928365>

To find out if you have the patch installed, open **Control Panel>Add or Remove Programs**, put a check in the **Show updates** box, and look for "Security Update for Windows XP (KB928365)"

If not installed, the patch can be downloaded from:

<http://www.microsoft.com/downloads/details.aspx?FamilyID=ba3ceb78-8e1b-4c38-adfd-e8bc95ae548d&DisplayLang=en>

## Windows Server

AVEVA Marine 12.0 performs most of its work on the workstation, so the Server's main function is to provide rapid and secure access to the Project files and databases.

Minimum System Requirements, based on 50 clients:

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<b>OS</b>	Microsoft Windows 2003 Server, plus .NET 2.0
<b>CPU</b>	2 GHz Intel P4 (Dual core or dual processors recommended)
<b>RAM</b>	2 GB DDR-2 RAM
<b>HDD</b>	500 GB Ultra SCSI II HPL (10000+ rpm) (two or more 500 GB, SATA-300 RAID recommended)
<b>File System</b>	NTFS
<b>Network</b>	Gigabit PCIe LAN

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### Server Notes

**OS:** AVEVA Marine12.0 does not work with Microsoft Windows 2000, and Vista is not supported.

Linux, Unix, and Mac OS X are not supported.

AVEVA MARINE 12.0 has been fully tested with .NET version 2.0. See the section *.NET Framework Versions for AVEVA Marine 12.0* for further information.

**CPU:** Multiple core processors will increase the performance for multiple workstations.

**RAM:** High performance, high capacity RAM will increase the performance for multiple workstations.

**Network:** The network should provide a minimum of 100 Mb/sec for each workstation. Two or more network cards are recommended for increased performance and redundancy.

## AVEVA Software Installation

AVEVA PDMS 12.0 is supplied on a DVD that also contains all of the User Documentation. It is recommended that you carefully read this guide, and all of the Installation Guides, before attempting to install the software.

## Licensing AVEVA Marine 12.0

AVEVA Marine 12.0 software requires access to a license file provided by the Flexman 3.1 software application. This license file can be stored on a networked server with client access, a networked workstation with client access, or on the workstation on which the AVEVA Marine 12.0 software is currently loaded.

The reason for storing the license file on a server or shared workstation is that it allows maximum user flexibility, while minimising the number of licenses that must be leased.

Licence files can be obtained through normal licensing sources.

**Note:** Flexman 3.1 SP1 licences cannot be served on systems running Vista.

## .NET Framework Versions for AVEVA Marine 12.0

AVEVA Marine 12.0 and beyond uses Visual Studio 2005 and .NET 2.0 for .NET Customization.

Configuration files are created in the same directory as the application, and contain the name of the application with a `.config` extension. For example, an application called `myApp.exe` may have a configuration file called `myApp.exe.config`.

Further details of .NET application configuration files can be found at the following Microsoft link: [http://msdn2.microsoft.com/en-us/library/ms229689\(VS.71\).aspx](http://msdn2.microsoft.com/en-us/library/ms229689(VS.71).aspx)

## Changing .NET Configuration Files

Installing AVEVA Marine 12.0 or later automatically installs the following .NET configuration file, which instructs the .NET runtime environment to use the .NET 2.0 framework:

```
<?xml version="1.0"?>
<configuration>
  <startup>
    <supportedRuntime version="v2.0.50727" />
  </startup>
</configuration>
```