

# Mo.net

## Hardware & Software Requirements for Mo.net Enterprise Services

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Revision 1

### Purpose

The purpose of this document is to describe the hardware and software requirements required for running Mo.net Enterprise Services – including, but not limited to the Mo.net Quotations Service (with Enterprise Service Manager), the Mo.net Execution Service and the Mo.net Identity Service.

### Background

Models developed using the Mo.net Model Development Studio can be deployed to support on-demand / synchronous calculations using the Quotations Service, and / or to enable batch-oriented asynchronous calculations using the Execution Service.

Furthermore, model development / operational features of Mo.net platform components can be controlled via permissions exposed using the Mo.net Identity Service.

This document describes the suggested minimum infrastructure requirements for running these Services. The precise requirements will be wholly dependent on the number of concurrent services, data volumes, model complexity / data caching, and required performance / response times.



## Processor, Memory, and Operating System Requirements

| Component              | Requirement                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Memory*                | <p><b>Minimum:</b><br/>4 GB</p> <p><b>Recommended:</b><br/>8 GB</p> <p>The memory requirement will be largely dependent on the volume of data being cached by an individual model during operation. Data caching is not essential for model operation but will increase performance due to reduced disk / network IO. The number of concurrent Quotations and / or Execution Services will also have an impact on the memory requirements.</p> |
| Processor Speed        | <p><b>Minimum:</b> x64 Processor: 1.4 GHz</p> <p><b>Recommended:</b> 2.0 GHz or faster</p> <p>The processor speed will directly impact the performance of any model.</p>                                                                                                                                                                                                                                                                       |
| Processor Type         | x64 Processor: AMD Opteron, AMD Athlon 64, Intel Xeon with Intel EM64T support, Intel Pentium IV with EM64T support                                                                                                                                                                                                                                                                                                                            |
| Cores                  | <p>Minimum: 2</p> <p>Recommended: 8</p>                                                                                                                                                                                                                                                                                                                                                                                                        |
| Network Adapter        | Gigabit Ethernet adapter (10/100/1000baseT PHY/MAC)                                                                                                                                                                                                                                                                                                                                                                                            |
| Hard Disk Requirements | <p>The installation of Quotations Service and Enterprise Service Manager together requires a minimum of 5150MB of available hard-disk space. Installation of Execution Service requires 20MB and Identity Service requires 110MB.</p> <p>Additional space will be required to store model binaries and associated data..</p>                                                                                                                   |

## Software Requirements

| Component        | Requirement                                                                                                                                                                                                                                                                                                                    |
|------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Operating System | <p><b>Minimum</b></p> <p>Windows Server 2012 R2 for server-based installations<br/>Windows 10 for workstation-based installations</p> <p><b>Recommended</b></p> <p>Windows Server 2019 or later for server-based installations<br/>We don't recommend running mission-critical services on workstation-based installations</p> |
| .NET Framework   | The Quotations Service, Execution Service and Identity Service all require .NET Framework Version 4.6.1 or later.                                                                                                                                                                                                              |
| Web Server       | IIS Version 7 or later                                                                                                                                                                                                                                                                                                         |

## Further Information

For more information regarding the infrastructure requirements of the Mo.net Financial Modelling Platform, please contact us:

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