



**Smarten**  
Augmented Analytics

# Technical Specifications

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### **Disclaimer**

This document is intended to support administrators, technology managers or developers using and implementing Smarten. The business needs of each organization will vary and this document is expected to provide guidelines and not rules for making any decisions related to Smarten. The overall performance of Smarten depends on many factors, including but not limited to hardware configuration and network throughput.

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## Preface

The Smarten Business Intelligence Technical Specifications guide is part of the documentation set for Smarten Suite Version 5.x.x.xxx

This guide contains information on minimum recommended hardware and software platforms for running Smarten.

### Related Documents:

Smarten-Installation-Manual	Installation Manual contains information and step-by-step guide on installation and configuration of Smarten on supported operating systems
Smarten-ApplicationServerOptimization-Guidelines	Performance Tuning: WildFly Application Server
Smarten-Memory-And-Disk-Space-Sizing	Memory and disk space sizing guidelines document

## 1 System Requirements

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### 1.1 Hardware Requirements

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Hardware requirements for running Smarten depends on several factors like number of concurrent users, size of data and complexity of data operations performed by users.

Some usage scenarios are described below as guidelines for choosing hardware for optimum performance of Smarten.

#### 1.1.1 Standard Deployment Scenarios

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##### Minimum Requirements

System Requirements	
CPU	Intel/AMD Processor(Quad Core or Higher)
RAM	8 GB RAM or Higher
Hard Disk	20 GB Space or Higher, depending upon size of data
Operating System	32 bit Operating System (Windows or Linux ) 64 bit Operating System(Windows/Linux) – Recommended

##### Small Deployment Scenario

Up to 5 Concurrent Users

System Requirements	
CPU	Intel/AMD Processor(Quad Core or Higher)
RAM	16 GB RAM or Higher
Hard Disk	20 GB Space or Higher, depending upon size of data
Operating System	64 bit Operating System(Windows/Linux)

##### Medium Deployment Scenario

Up to 10 Concurrent Users

System Requirements	
CPU	Intel/AMD Processor(Quad Core or Higher)
RAM	32GB RAM or Higher
Hard Disk	500 GB Space or Higher, depending upon size of data
Operating System	64 bit Operating System(Windows/Linux)

##### Large Deployment Scenario

Up to 50 Concurrent Users

System Requirements	
CPU	Intel/AMD Processor(Multi Core)
RAM	128 GB RAM or Higher
Hard Disk	1 TB Space or Higher, depending upon size of data
Operating System	64 bit Operating System(Windows/Linux)

#### 1.1.2 Custom Deployment Scenarios

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For scenarios not covered above, contact technical support team for hardware sizing and estimation.

Resources required on system depend on following factors.

- Size of source data
- Complexity of extraction logic ( e.g. SQL query ) from source data
- Size and design of cube and meta data
- Size of analytical objects

- Intensity of data operations
- Concurrent users
- Other related factors

## 1.2 Software Requirements

### 1.2.1 Server

Server Environment	
Windows Operating System(64-Bit)	Windows 8 / 10 Windows Server 2008/2012
Linux Operating System(64-Bit)	Debian 7.x/8.x Red Hat Enterprise Linux 6.x /7.x Centos 6.x /7.x
Application Server	WildFly 11
Java Environment	JDK 1.8.x
Data Sources	Microsoft Access Microsoft SQL Server MySQL Oracle IBM DB2, AS400 Sybase Amazon Redshift PostgreSQL Any other JDBC supported RDBMS MDX cubes SAP CSV / Excel / JSON / XML from desktop and S3 Google Analytics R Script

### 1.2.2 Client

Client Environment	
Desktop Web Browser	Microsoft Edge 25.x or higher Mozilla Firefox 47.x or higher Safari 8.x/9.x or higher Google Chrome 51.x or higher
Mobile and Tablet Web Browser	Apple IOS 8.x / 9.x or higher Safari 8.x/ 9 .x or higher Google Chrome 51.x or higher Android 4.x.x /5.x or higher Google Chrome 51.x or higher Mozilla Firefox 47.x or higher Windows 8.X or higher Internet Explorer 11.x or higher Google Chrome 51.x or higher

For other Operating Systems, Application Servers, RDBMS or Web Browser Compatibility related information, contact Technical Support.

## 2 Product and Support Information

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Find more information about ElegantJ BI-Smarten and its features at [www.smartent.com](http://www.smartent.com)

Support: [support@smartent.com](mailto:support@smartent.com)

Sales: [sales@smartent.com](mailto:sales@smartent.com)

Feedback & Suggestions: [support@smartent.com](mailto:support@smartent.com)

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