# Smarten
## Advanced Data Discovery
### Powered by ElegantJ BI

# Performance Data Sheet - SSAS Cubes

Business Intelligence & Advanced Data Discovery

www.Smarten.com

| Document Information | |
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| Document ID | Smarten-Performance-Data-Sheet-SSAS-cubes |
| Document Version | 2.0 |
| Product Version | 5.0 and above |
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| Recipient | NA |
| Author | EMTPL |

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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.

| Smarten with Microsoft® SSAS cube - Performance Data  Testing | |
|---|---|
| | Concurrent Usage |
| **Platform Specification** | **Smarten** |
| **CPU :** | Intel Xeon CPU E5-2620 - 2.0 GHz (2 processors) |
| **RAM :** | **64 GB** |
| **Operating System :** | Windows Server 2012 Essentials - 64 bit |
| **Cube** | MS. SSAS Multi-Dimensional Cube |
| | |
| **Platform Specification** | **SSAS Server** |
| **CPU :** | Intel(R) Core(TM) i3-3210 CPU @ 3.20GHz |
| **RAM :** | **8 GB** |
| **Operating System :** | Windows 8 - 64 bit |
| **Database Server :** | MS SQL Server 2012 Business Intelligence |
| **Number Of Dimensions :** | 2 Columns |
| **Number Of Measures :** | 3 Columns |
| **UARS :** | 3.5 Million |

| Size of Transactional Database used for Cube creation at SSAS | 5 Million | | | | |
|---|---|---|---|---|---|
| **Performance Time :** | Operation / Data | 1 User | 5 Users | 10 Users | 25 Users | 50 Users |
| | Analysis Creation | 5.2 sec | 5.2 sec | 5.2 sec | 5.3 sec | 5.3 sec |
| | Analysis Loading | 4.9 sec | 4.9 sec | 4.8 sec | 5.1 sec | 5.7 sec |
| | Graph Creation | 5.2 sec | 5.2 sec | 5.2 sec | 5.4 sec | 5.3 sec |
| | Graph Loading | 5.1 sec | 5.3 sec | 5.1 sec | 5.5 sec | 5.7 sec |
| | Dashboard Loading | 12.6 sec | 13.4 sec | 13.5 sec | 13.9 sec | 13.8 sec |

| Size of Transactional Database used for Cube creation at SSAS | 20 Million | | | | |
|---|---|---|---|---|---|
| **Performance Time :** | Operation / Data | 1 User | 5 Users | 10 Users | 25 Users | 50 Users |
| | Analysis Creation | 5.3 sec | 5.2 sec | 5.2 sec | 5.1 sec | 5.3 sec |
| | Analysis Loading | 5.2 sec | 5.9 sec | 5.7 sec | 5.9 sec | 6.3 sec |
| | Graph Creation | 5.3 sec | 5.6 sec | 5.7 sec | 5.7 sec | 5.6 sec |
| | Graph Loading | 6.1 sec | 6.8 sec | 6.8 sec | 6.3 sec | 6.9 sec |
| | Dashboard Loading | 13.8 sec | 14.1 sec | 14.9 sec | 14.6 sec | 15.5 sec |

**Note:**

- Performance is measured using specific computer systems and/or components and reflects the approximate performance of Smarten as measured by those tests.
- Any difference in system hardware, network or software design or configuration, may affect actual results.
- Performance may vary upon variation, non-performance or failure resulting out of third party software like operating systems, platforms, servers, tools, utilities and Programs.
- Performance result may vary upon data structure and database engine used.
- Past Results are not necessarily indicative of future results.
- Hypothetical or simulated performance results have certain inherent limitations.
- Under no circumstances will EMTPL be liable for any special, indirect, incidental, exemplary or consequential damages of any kind or nature whatsoever, whether based on contract, warranty, tort (including negligence), strict liability or otherwise, arising out of or in any way related to the Smarten performance result.

## Product and Support Information

Find more information about ElegantJ BI-Smarten and its features at www.smarten.com
Support: support@smarten.com
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Feedback & Suggestions: support@smarten.com
Support & Knowledgebase Portal: support.smarten.com