

## What's New MicroStrategy 10.5

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## Version Control

Version		Date	Author	Comments
Product	Document			
MicroStrategy 10.5 Server Deployment	v1.00	12/02/2016	Pranav Rathore	Base Version

## Introduction

Citi Data Global ERBI Platform Engineering – MicroStrategy is publishing Release Notes for MicroStrategy Server 10.5 new features.

## Intended Audience

This document is intended for the vendor software support, MicroStrategy Business Intelligence application implementation communities and anyone with a vested interest in this solution. Please email comments/questions to \*CitiData Global ERBI Platform Engineering – MicroStrategy

## What's new?

MicroStrategy Secure Enterprise v10.5 toolset is the latest release by MicroStrategy and introduces various attractive features:

### Server

- Supportability for more data sources
  - a. MongoDB 3.x as Data warehouse platform for analysis( supports SSL)
  - b. Cloudera CDH5.7.1 latest release – EAP compliant
  - c. Microsoft SQL Server 2016
  - d. Apache Spark SQL 1.x -The number of analytical functions that are pushed down to the source has been increased from 41 to 107. As a result, 82% of MicroStrategy analytical functions can be calculated at the data source.
- Better query performance with SparkSQL - With 10.5, several enhancements are made on the SQL Engine to push more calculations to the database when using SparkSQL 1.x. This ensures better query performance and faster data calculation.
- MicroStrategy Messaging Services - On Linux environments, 10.5 includes Messaging Services. This offers a fast and scalable message broker for distributed deployments. For new installations, the Messaging Services is enabled out-of-the-box by default. For upgrades to the 10.5 Feature Release, Messaging Services needs to be configured in conjunction with the existing Intelligence Server(s).

### Enterprise Manager

EM project has been added a new System Administration OverviewDashboard for providing system adoption and performance analysis of the environment over previous 2 months.

- ✓ Key adoption and performance trends
- ✓ Peak usage and performance analysis
- ✓ Report usage and performance details

## MicroStrategy 10 Secure Enterprise

Details about the dashboard can be found [here](#)

### Web

- Data Wrangling - You can now select the first x number of rows or randomly sample rows, both options up to 10,000 rows, to get more representative data. You can also use Refresh after random row sampling to gauge the efficacy of your wrangling efforts
- Easy Project Switching from MicroStrategy Menu
- VI Dashboard –
  - ✓ supports multiple open sourced Visualizations on same panel(different versions of D3.js)
  - ✓ improved automatic axis labelling
  - ✓ Graph fitting option in VI ‘fit-to’ is now called “Container fit”
- Report Service Documents
  - ✓ **Select topmost element by default in a sorted grid** - By default, when defining an attribute in a grid as a slicing selector, the element with the lowest attribute ID is selected. However, due to the sorting defined on the grid, it is not always easy to locate the selected element, and thus not easy to know which element of this slicing selector is controlling the target grid or graph. To help you to easily identify the selected element, you can change the default selected element to the first element in the grid by the **Automatically select topmost element in sorted grid** option on the [Configure Selector dialog box](#).
  - ✓ View Filter in Presentation mode - MicroStrategy 10.5 supports view filtering on grids and graphs in documents while in presentation mode. User will have more interactive options and can now include filters on-the-fly to slice and dice their data, even when they are in presentation mode. For steps and more on this topic see [View Filter Editor for Report Services documents](#)

### Desktop

- Reduce memory footprint

### Tools and Usage –

- 3 New Visualizations introduced
- Web Usability enhancements – consistency between all navigation bars ,improved notifications ,easy access to recent/current folders

### SDK - Native support for RESTful APIs

- MicroStrategy 10.5 extends the analytical power of MicroStrategy and makes it easier to integrate with custom applications using new native APIs. Version 10.5 delivers native support for APIs that create entry points for accessing data in JSON format, addressing the needs of large enterprises and OEM partners that harness data through MicroStrategy via customized business apps. Organizations can benefit from the new enhanced RESTful APIs and build branded data-driven applications with advanced filtering capabilities that are available in version 10.5.

## Contacts

MicroStrategy Engineering - \*CitiData ERBI Global Platform Engineering – MicroStrategy

## References

<https://catecollaboration.citigroup.net/domains/deveng/debi/ERBI/Microstrategy/default.aspx>