MicroStrategy 10.1:

New features overview.
# TABLE OF CONTENTS

## MicroStrategy Desktop 10.1
- Extended support for data preparation and blending
- Improved Desktop Service connectivity - performance, stability, and workflow
- MicroStrategy enterprise reports as datasets for discovery
- Support copy/paste actions from grids
- Contextual highlighting on visualizations and panels for better usability
- New network visualization
- Maps to support distance based selections
- Customizable data connection interface

## MicroStrategy Web 10.1
- Brand new customizable homescreen
- User interface redesign
- Web icons redesign
- New recent objects list
- New advanced search
- Unifying consumption modes for dashboards
- Web browser navigation integration
- Selector enhancements
- Dynamic dates
- Brand new modern grid auto styles
- Enhanced search of dependencies in Web
- Enhanced visualization capabilities and usability
- Improved support for data discovery dashboards within documents
- Improved Teradata access

## MicroStrategy Mobile 10.1
- iOS 9 support
- Increased parity between Web and Mobile
- Custom visualization support
- Enhanced support for polygon shapes on maps in Mobile
- Enhanced clustering control in maps
- Current location in maps
- Calendar widget enhancements
- New calendar selector
- Recent search display functionality in prompts and selectors in iOS
- Toggle between grid and graph
- Enhancements in the grid controls
- Drill on graphs
- Mobile SDK - link drill customization enhancements

## MicroStrategy Server 10.1
- Native Hadoop Gateway
- Improved configuration options for cube publication
- Distribution
- Significant performance improvements for both users and administrators
MicroStrategy Desktop 10.1
Extended support for data preparation and blending

With 10.1, data preparation and data wrangling is now supported across all Big Data, cloud, ODBC, social, BI, and local data sources. These powerful data preparation capabilities enable any business user to prepare their data directly in the MicroStrategy Desktop or Web product, avoiding the need for IT involvement or the use of third-party ETL tools.

Improved Desktop Service connectivity - performance, stability, and workflow

Version 10.1 offers improved connectivity workflows and users can access the MicroStrategy Server, through a new server menu on Desktop, to easily connect and access resources on the Server.
MicroStrategy enterprise reports as datasets for data discovery

This feature will allow Desktop users to use MicroStrategy grid reports and as the underlying data sources for ad-hoc data discovery and visualizations. All formatting from the new autostyles for grid reports will port over from the MicroStrategy Web interface, giving Desktop users greater formatting capabilities for grids.

Support copy/paste actions from grids

This feature will allow users to copy data from grid visualizations and paste into excel and other documents.
Contextual highlighting on visualizations and panels for better usability
While interacting with a specific visualization on a dashboard that has several visualizations, the visualization that is being modified will be highlighted. In addition to this new feature, users will also be able to duplicate dashboard components such as text boxes, selectors, and images into different panels.

New network visualization
Network visualization with differentiated to and from nodes, with improved formatting capabilities will be available with version 10.1.
Maps to support distance based selections

Users can draw a circle around points on a map to identify radial distances from their points of interest. This new interactive feature on maps will be available in version 10.1.

Customizable data connection interface

Version 10.1 will allow users to pick and choose which connectors they wish to display in the data connector screen as seen below.
Brand new customizable homescreen

With version 10.1, users now have the ability to customize their homescreens on MicroStrategy Web to suit their individual preferences. Frequent Web users can customize their homescreen to show most recent reports, favorite reports, and shared reports while other analysts can customize their homescreen with images and links to make it relevant, yet visually appealing with videos, links to important documents, etc.
User interface redesign
As part of the newly redesigned user interface for MicroStrategy 10.1, it offers a modernized look and feel. The left panel which is displayed on the folder browsing pages will be more consistent across and in parity with other pages. A single Create button allows users to create any object from one single menu.

Web icons redesign
Users now have a consistent view of icons across the MicroStrategy platform. Enhancements include modernizing and cleaning up current icons. Redesign also offers improved user experience by redesigning the navigation bar to be fully functional and removes unused buttons and inefficient workflows.
New recent objects list
With Version 10.1, users now have the ability to preview recent objects as they hover the cursor on top of the dashboard name so they can quickly access their most frequently run reports and dashboards.

New advanced search
To further improve the overall user experience with 10.1, enhanced search workflows are available. A single workflow combines the Advanced Search and Quick Search options to provide a consistent way to search within MicroStrategy Web. Users now see the Advanced Search bar integrated into the navigation bar. A magnifying glass icon is always available on the navigation bar and clicking on it would open the Advanced Search dialog. Users also have the ability to refine searches with filters.
Unifying consumption modes for dashboards

Users now have a clean and simplified web consumption mode across documents. Version 10.1 will offer a consolidated mode to edit dashboards by combining Express, Interactive, Editable, and Flash modes into one editable mode. Henceforth, there will only be two modes within dashboards – Presentation and Editable. 10.1 will also offer backwards compatibility for those who prefer to continue to run Flash or Interactive modes as default modes (although Flash will be marked as deprecated).

Web browser navigation integration

Users can now use the web browser Back and Forward buttons to navigate MicroStrategy Web.
Selector enhancements
This new redesign will provide a more polished and consistent look and feel of the user controls across different browsers, including scrollbars, checkboxes, sliders, info windows and transaction controls.

Version 10.1 offers calendar attribute qualification and a new Attribute Object selector as well.

Dynamic dates
Quarterly adjustments can now be included with dynamic date filters with version 10.1.
Brand new modern grid auto styles

Version 10.1 offers a complete facelift with modern options for the auto styles available for grid reports.
Enhanced search of dependencies in Web

This feature allows users to easily search for dependent objects in MicroStrategy Web – and help users find for instance, a report that is an underlying dataset to another dashboard.

Enhanced visualization capabilities and usability

This feature enhances visualizations with better interactivity. In version 10.1, when inserting a graph, graph zones will be expanded by default.
**Improved support for data discovery dashboards within documents**

Users now have the ability to add data discovery dashboards (Visual Insight) into a document as separate layouts. No longer are users restricted to converting the entire Visual Insight dashboard into documents.

**Improved Teradata access**

MicroStrategy now offers new Support for high-speed data transfer from Teradata with TPTAPI to speed up the process when publishing large cubes. This new feature allows large data volumes to be transferred quickly and in parallel from Teradata databases and will enable users to update their in-memory cubes faster and more frequently with data from Teradata.
MicroStrategy
Mobile 10.1
**MicroStrategy Mobile 10.1 for iOS**

**iOS 9 support**
MicroStrategy Mobile apps now offer support for iOS 9 with both iPad and iPhone apps. Users can upgrade their device to iOS 9, and can instantly start using MicroStrategy Mobile.

**Increased parity between Web and Mobile**
This release offers support and increased parity with Web based data discovery dashboards (Visual Insight). All formatting on data discovery dashboards as designed on Web, will port over to mobile devices and offer a consistent user experience. Mobile dashboards will inherit all the design components including color themes, font size, font alignment, and font color. Graph matrix support for trend line, forecasting, reference line, and axis origin is also available on MicroStrategy Mobile with version 10.1.
Custom visualization support

With Version 10.1, MicroStrategy Mobile will offer support for open source visualizations like D3. With this new enhancement users will be able to view and interact with D3 visualization on the iPad and will offer a significantly improved user experience on mobile for data discovery.

Enhanced support for polygon shapes on maps in Mobile

With version 10.1, dynamic Geospatial analysis drawn on top of ESRI maps in MicroStrategy Web, and instantly converted and optimized for Apple maps in MicroStrategy Mobile. Users can visualize areas or regions on a map, and color each area based on a category or metric value with thresholds.
Enhanced clustering control in maps
Advanced clustering, released in MicroStrategy Mobile 10, enables users to group a large number of data points in maps for performance and improved user experience. In 10.1, users can now have the ability to enable or disable this feature and set it to default.

Current location in maps
In 10.1, users have the ability to leverage native iOS capability and can identify their current location within the map widget.
**Calendar widget enhancements**

This release offers hour-level granularity within the calendar widget to MicroStrategy Mobile app users, with which users have the ability to drill down to the hour, as opposed to only day-level options with previous versions of the app.

![Calendar widget enhancements](image1)

**New calendar selector**

This release allows users to leverage the native calendar selector functionality available with iOS and can be included within the MicroStrategy Mobile app.

![New calendar selector](image2)
Recent search display functionality in prompts and selectors in iOS

The retain search history feature enables users to access the recent searched items within Mobile prompts and selector interfaces. In version 10.1, users can now find attribute elements across sessions with as little tapping and typing as possible.

Toggle between grid and graph

New controls with version 10.1 enables users to be able to toggle between grids and graphs within dashboards in iOS.
Enhancements in the grid controls

This new feature will enhance user experience in iOS by providing the user seamless ways to trigger grid actions, such as sort columns and drill down on items displayed on the grid. With this, users can navigate through the data in a more intuitive manner.

Users will have simpler and smoother interaction while performing grid-based actions and can magnify, drill, link drill, and sort, to quickly access information that users are looking for.

Drill on graphs

With Version 10.1, users can tap and hold on graphs to trigger the drill context menu. Drill action on graphs can be performed on dashboards across the app.
Mobile SDK – link drill customization enhancements

Mobile SDK developers can now write their own code with customized logic for link drilling, and will enable app designers to have more flexibility within the app workflow. Some useful scenarios that can be addressed with this new capability are listed below:

- Deleting client cache for a document before executing it
- Limiting the location range to run a document for security reasons
- Exposing the native share controls that are not provided out-of-box, like Share to Facebook, Twitter, etc.

MICROSTRATEGY MOBILE 10.1 FOR ANDROID

Mobile SDK - custom authentication support

To keep parity with MicroStrategy Mobile iOS, developers can now create customized authentications in their MicroStrategy Mobile app for Android.

Enhancements with grid interactions

Version 10.1 offers enhanced parity between Android and iOS products, so users can benefit from the best user experience when analyzing data through grids. This applies to multiple grid manipulation actions including grid magnifier, link drill, drill-anywhere, and sorting. This version also allows users to easily undo sorting and drill actions.

Enhancements based on Google’s material design principles

In 10.1, MicroStrategy Mobile features including themes, progress indicators, panel stacks, and buttons were redesigned based on Google’s material design principles to maintain Google’s mobile user experience standards.
MicroStrategy
Server 10.1
Native Hadoop Gateway

Version 10.1 includes support for Kerberos authentication for Hadoop Gateway workflow. In addition to that, administrators will be able to easily monitor the status and resource usage of the Hadoop Gateway components deployed on their Hadoop Cluster with a new Hadoop Gateway monitor. In addition to this, several performance optimization enhancements for the Hadoop Gateway has been included with this release.

<table>
<thead>
<tr>
<th>NodeID</th>
<th>Status</th>
<th>Online Time</th>
<th>CPU</th>
<th>Memory</th>
<th>Assign Factor</th>
<th>Assigned Tasks</th>
<th>Completed Tasks</th>
<th>Failed Tasks</th>
<th>Cancelled Tasks</th>
<th>Last Update Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>abt19</td>
<td>Online</td>
<td>2015/07/13</td>
<td>09:58:04</td>
<td>0%</td>
<td>0.3%</td>
<td>1</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>2015/07/14 03:39:27</td>
</tr>
<tr>
<td>abt20</td>
<td>Online</td>
<td>2015/07/13</td>
<td>09:59:00</td>
<td>0%</td>
<td>0.2%</td>
<td>1</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>2015/07/14 03:39:24</td>
</tr>
<tr>
<td>adtcg1</td>
<td>Online</td>
<td>2015/07/13</td>
<td>09:59:29</td>
<td>0%</td>
<td>0.7%</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>2015/07/14 03:39:25</td>
</tr>
<tr>
<td>adtcg2</td>
<td>Online</td>
<td>2015/07/13</td>
<td>09:59:22</td>
<td>0%</td>
<td>0.4%</td>
<td>1</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>2015/07/14 03:39:21</td>
</tr>
<tr>
<td>adtcg17</td>
<td>Online</td>
<td>2015/07/13</td>
<td>09:59:08</td>
<td>0%</td>
<td>0.3%</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>2015/07/14 03:39:29</td>
</tr>
</tbody>
</table>

Improved configuration options for cube publication

Version 10.1 allows users to modify and re-configure in-memory cubes without re-uploading data.

Distribution

Improvements in distribution options with version 10.1 include new FTP delivery options, improved PDF export capabilities, and enhanced options to monitor subscriptions for administrators.
Significant performance improvements for both users and administrators

MicroStrategy 10.1 further builds on the significant performance gains in MicroStrategy 10 as seen with internal testing.

- Delivering 2X query improvements when running a dashboard using cube live connect
- 30% faster performance against partitioned cubes
- 85% faster count distinct response times
- Nearly 2X faster count against attributes
- 41% faster incremental refresh (additional 71% increase in speed when partition is used)
- MicroStrategy 10.1 also reduces the load time of Intelligence Server by up to 64% with parallel cube loading