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Overview

MicroStrategy 2019 is the world’s first and only platform for HyperIntelligence™, federated analytics, and transformational mobility. It is the most open and complete offering on the market, empowering every organization to become a more Intelligent Enterprise. The latest release, MicroStrategy 2019 Update 2, strengthens the platform with powerful features that benefit business users, analysts, administrators, and developers. It further expands on the HyperIntelligence suite with new products, adds power to the connectors that drive our mission for federated analytics, and introduces advanced administrative features for the MicroStrategy Cloud Platform.

Highlights of the new features available with Update 2 include:

• A brand new **HyperIntelligence for Office** product that supercharges email within the Microsoft Outlook application for Windows PC and Mac

• **HyperIntelligence for Mobile**, a native mobile app now available for iOS and Android, brings contextual answers to users on the go on their favorite devices

• Powerful enhancements to the connectors that promote federated analytics, with prompts now available with **MicroStrategy for Office** and support for greater data volumes with **MicroStrategy for Tableau**, **MicroStrategy for Power BI**, and **MicroStrategy for Qlik**

• More advanced administrative automation and management features now available for AWS and Microsoft Azure with the MicroStrategy Cloud Platform

• Over 416 customer-reported enhancements and fixes, making the platform release faster, more stable, and more secure

MicroStrategy 2019 Update 2 does not require a metadata update or a full platform install and can be easily deployed on top of the MicroStrategy 2019 platform. Further, Update 2 offers a full platform install so that customers who have not yet deployed MicroStrategy 2019 can fully install MicroStrategy 2019 Update 2.

To read more about the features introduced with MicroStrategy 2019 platform, click [here](#). Customers can download the latest software [here](#) or can spin up an instance of the MicroStrategy Cloud Platform on AWS or Microsoft Azure [here](#).
New Features for Business Users

HyperIntelligence for Office

MicroStrategy 2019 Update 2 introduces HyperIntelligence for Office, a new product that brings HyperIntelligence to the world’s most popular business productivity tools. In Update 2, MicroStrategy supercharges emails within Microsoft Outlook—bringing HyperIntelligence directly to the over 400 million active users of the Outlook client. This new capability enables users to find relevant, contextual insights within their emails and Outlook-based workflows with HyperIntelligence cards. These cards consolidate a variety of enterprise data into bite-sized views of information that are injected directly into the Outlook application. The cards are accessible via a brand new add-in for the Outlook desktop client on both Windows PC and Mac. The add-in works seamlessly across both the Outlook desktop client and web application by seamlessly injecting cards into existing user workflows.

HyperIntelligence for Office in the Outlook desktop application

While HyperIntelligence was previously supported for the Outlook web app in Google Chrome (via MicroStrategy HyperIntelligence for Web), the new HyperIntelligence for Office product delivers workflows that work seamlessly across the native Outlook desktop application on both Mac and PC. Users can quickly enable HyperIntelligence within the Outlook desktop application by clicking the ‘Get Add-ins’ icon on the main Outlook menu and configuring the add-in. Alternatively, the add-in can be automatically pushed to end users by the IT administrator.

Once configured, users will see a HyperIntelligence panel on the right-hand side of their Outlook desktop application. This panel is where a user will log into HyperIntelligence, toggle cards on or
off, apply card and content filters, and interact with individual cards. The panel can be pinned to the application or allowed to float free as a separate window.

The add-in supports environments that contain a wide variety of cards—just as they would for any other HyperIntelligence application. For example, a single add-in could contain cards on the names of people, products, companies, or any other noun that is critical in the enterprise context.

The add-in automatically scans the content of a selected email and identifies any attribute element matches within the email body, as well as the sender, subject line, or recipient (To, Cc, and Bcc) fields. The number of cards available in a specific email is specified at the top of the panel, which allows the user to quickly infer the volume of information available in the form of cards per each individual email. End users can also use filters to control the fields that are searched for matches—including fields such as sender name, recipient names, and subject line. This filter is especially useful in scenarios where the recipients field contains a large list of people who would otherwise trigger multiple card matches.
Much like the existing experience in HyperIntelligence for Web and HyperIntelligence for Mobile, users on the Outlook desktop application can also toggle individual cards on or off using a simple switch.

Unlike the experience in HyperIntelligence for Web, the add-in does not underline keyword matches within the context of an email. Instead, each card associated with a selected email is displayed within the panel on the right-hand side of the Outlook application. To pull up a card, the user simply needs to hover over an attribute element match in the add-in panel. The workflow for Outlook users on the web app mirrors the functionality provided on the Outlook desktop client.

In Update 2, each add-in points to a single MicroStrategy environment. In order to configure multiple environments, or to switch between environments, separate add-ins are required, all of which will show up on the main menu of the Outlook client.
HyperIntelligence for Office on the Outlook web application

HyperIntelligence for Outlook also works within the Outlook web app and is not restricted to specific browsers. In previous versions of MicroStrategy 2019, HyperIntelligence support for Outlook was available via HyperIntelligence for Web through the MicroStrategy HyperIntelligence extension on Google Chrome. With Update 2, the HyperIntelligence for Office product delivers support for Microsoft Outlook application across other popular web browsers.

Accessing HyperIntelligence cards within the Outlook web app is easy. Just click on an email and select the HyperIntelligence for Outlook icon on the right-hand side. A new panel will appear on the right-hand side of the screen that mirrors the functionality provided on the Outlook desktop client. From here, you can view cards associated with a specific email, toggle cards on or off, and use filters to control where the add-in looks for attribute matches.

*Note: HyperIntelligence for Web is a separate product offered by MicroStrategy that allows users to access contextual analytics from directly within content in Google Chrome.*
HyperIntelligence for Mobile

MicroStrategy 2019 Update 2 introduces a variety of enhancements to HyperIntelligence for Mobile that makes it incredibly easy for on-the-go users to find contextual insights on their favorite device. The latest update includes a new, native HyperIntelligence for Mobile app for Android as well as support for history on the iOS app.

HyperIntelligence for Mobile on Android

Update 2 brings the world of HyperIntelligence to users with Android mobile devices. This update includes the release of a standalone HyperIntelligence app for Android that works on both tablets and smartphones and supports in-app search and calendar-based notifications. The MicroStrategy HyperMobile app can be easily downloaded and installed from the Google Play store. Once downloaded, the app will automatically point to a demo environment with a variety of sample cards.

Integration with Android calendar apps pushes the cards at the right time

HyperIntelligence for Mobile integrates with Android calendar applications to identify card matches based on the information contained within calendar events. This allows the application to provide proactive, contextually relevant notifications that prompt users to open a card. For example, if a user has an upcoming meeting on their calendar, the app will proactively send a notification highlighting the relevant card before the meeting takes place.
In-app search functionality to easily access cards

HyperIntelligence for Mobile supports in-app search on Android devices through a search bar within the application interface. In-app search enables users to quickly find a specific card and provides a gateway to a wide range of cards on the nouns that represent the people, products, and processes within an enterprise.

Enhancements to the HyperIntelligence for Mobile app on iOS

MicroStrategy 2019 Update 2 delivers a key enhancement to the HyperIntelligence for Mobile app on iOS: support for notification history.

View notification history in the HyperIntelligence for Mobile app on iOS

In Update 2, the HyperIntelligence for Mobile app for iOS supports notification history within the app. Whenever a user receives a notification through the app's integration with the native iOS calendar application or accesses a card via Spotlight Search, the relevant cards will be highlighted within the history section of the app. This enables end users to quickly access recently viewed cards or find information on notifications they may have dismissed.
New features for MicroStrategy Mobile

Full screen view in landscape mode on iPhone

MicroStrategy Mobile users now can view more content on their smartphones by leveraging the full screen experience available in the landscape mode on iPhone models X and above. This provides richer data consumption in the latest iOS smartphones.

App developers have control over enabling the full screen experience in the configuration settings.
Attribute thresholds for highlighting data in a grid on Android

MicroStrategy Mobile for Android now allows end users to leverage attribute thresholds when a value meets a specific condition.

This provides end users with the ability to analyze large amounts of data quickly by identifying these values via different colors or images and brings further parity with iOS features.

New Calendar selector in MicroStrategy Mobile for Android

MicroStrategy Mobile users can intuitively filter data on their mobile applications with the new calendar selector optimized for Android phones and tablets. Easy to use, the new selector can filter data based on single dates, date ranges, time stamps, and dynamic date expressions such as “Last 10 days” or “YTD.”
Improved experience when linking dossiers from documents

Now, when dossiers are linked from the report service document in the MicroStrategy Library app, users can use dossier capabilities such as table of contents, filter panels, native gestures, keep only, share, and much more. The dossier can also carry over the prompt answers from the source document. This provides the end user with the ability to consume dossiers and all of their features from within the document, maintaining a consistent user experience.

Link a dossier to an image or text in MicroStrategy Library for iOS

App designers can define a ‘File’ link over a text or image in a dossier through the ‘Edit Link’ feature. This allows end users to open a dossier linked from a text or image directly in the MicroStrategy Library app for iOS devices and provides them with the ability to get additional context to the image or text.
New Features for Analysts

New features for HyperIntelligence

MicroStrategy 2019 Update 2 delivers major enhancements to the card authoring interface within MicroStrategy Workstation, including a new card template and support for dynamic links within the card header.

Increased design flexibility given to HyperIntelligence card authors in Workstation

This update introduces a new template option in the HyperIntelligence card editor in Workstation. The template allows card authors to combine elements of the existing basic and profile templates—delivering a card that has both compelling visual elements and the option to include an extensive grid of KPIs.

Business workflows with support for dynamic links within cards

MicroStrategy 2019 Update 2 delivers support for dynamic linking that allows cards to serve as a launchpad into other applications and workflows. Within the card editor, a user simply needs to click on the ‘Add a Link’ button within the card header, enter the URL they want to link to, and then choose the attribute that will dynamically update based on the attribute element displayed in the card. Users can further customize the look and feel of their card by selecting a link icon from a pre-populated icon library.
By leveraging this functionality, cards can pass through context via dynamic links. For example, when creating an account card for “Gladio,” a dynamic link can be used to link directly to that account record in Salesforce.

![Link from Text](image)

**New features for federated analytics**

The latest update delivers powerful enhancements that boost the potential for federated analytics, allowing analysts to use the tools they love on the platform they trust.

**Prompt support in MicroStrategy for Office**

MicroStrategy for Office is a product that allows Microsoft Excel users to leverage governed or certified enterprise reports and datasets from the MicroStrategy environment within the Excel interface. With Update 2, MicroStrategy supports prompted reports. Similar to how users can select the attributes, metrics, and filters from the MicroStrategy application without leaving the Excel interface, users can now answer prompts to access only the relevant data they need, thereby improving performance and personalizing the experience.
Additionally, users have the option to refresh multiple reports and datasets at once, even when they come from different sources. Additional Excel formatting and calculation added on top of this data will be preserved.

If more than one dataset has been imported, users can select a specific dataset on the MicroStrategy Office add-in panel and can highlight the related data in the Excel sheet.
These enhancements improve processing speed for users on MicroStrategy for Office. Across Windows PC and Mac, users can now get up to 74% improvements across the various client options. Tests were conducted to compare performance improvements between Update 1 and Update 2, on datasets of varying sizes from 10 rows to 100k rows. Tables below shows results for 100k rows only across the various clients on PC and Mac, although similar performance improvements were seen for other datasets as well.

**MicroStrategy for Tableau, Qlik, and Power BI**

MicroStrategy 2019 offers MicroStrategy for Tableau, MicroStrategy for Qlik, and MicroStrategy for Power BI—three connectors with which users of these tools can gain access to trusted, governed information from across the enterprise. These connectors deliver a foundation for all users to get more from the tools they’ve invested in while accelerating access to data and enhancing trust.

The latest update supports greater volume of data that can be accessed via these connectors. Tableau and Power BI users can now access 4 million rows with 30 columns in MicroStrategy. Qlik users can access up to 2 million rows with 10 columns.

In addition to supporting data scale, the connectors also offer performance and stability enhancements in Update 2, improving the overall the experience for users of these tools.
New features for MicroStrategy Mobile

Device logging for performance improvements in MicroStrategy Mobile on Android

MicroStrategy mobile users can generate device logs directly from their app in Android devices. Device log entries will provide the app developers and admins more visibility and insights into performance, memory usage, notifications, network, preferences, EMM, restrictions, and general usage statistics. For example, they might look at the error log to understand why the end user did not receive push notifications and analyze whether the device has been successfully registered with Google services. This also helps end users provide the logs to administrators to conduct further analyses and performance optimization tweaks.
New Features for Administrators and Architects

New features and enhancements to the MicroStrategy Cloud Platform

New capabilities and enhancements allow administrators to easily deploy the MicroStrategy Cloud Platform in minutes on AWS and Microsoft Azure. The latest update introduces several enhancements for both AWS and Azure deployments and increases the parity between the two cloud platform providers.

Updates for the MicroStrategy Cloud Platform on Azure

New regions supported

Users can now provision the MicroStrategy Cloud Platform on Azure environments (Team or Department Edition) in Central Canada, Australia Southeast, Brazil South, North Europe, West US, West US 2, and East US for better performance and support of self-service cloud deployments around the globe.

Deployment into existing Virtual Network

System administrators can now provision the MicroStrategy Cloud Platform on Azure environments into an existing secure VNet, providing organizations using Azure with more flexibility and functional parity to MicroStrategy on AWS.
Enterprise cloud deployment configuration

With Update 2, organizations can choose from more pre-packaged deployment options based on organization size and need, greatly improving time to value when deploying applications using the MicroStrategy Cloud Platform. Organizations can now deploy the MicroStrategy Cloud Platform on Microsoft Azure for the Enterprise, adding an additional deployment configuration option to the previously available Teams and Department configurations.

Updates for MicroStrategy Cloud Platform on AWS

Cluster management

Update 2 has enhanced MicroStrategy’s cloud elasticity by allowing organizations to deploy up to eight node clusters, doubling that amount from the previous update. With greater uptime, better performance through load distribution, and linear scalability, the MicroStrategy Cloud Platform will support mission critical-applications with growing system demands.

Update 2 now available on the MicroStrategy Cloud Environment

The latest release for MicroStrategy-managed cloud environments is now available. This delivers certified MicroStrategy and AWS/Azure experts with the necessary experience and proprietary tools to help customers maximize their MicroStrategy Cloud Platform power, efficiency, and agility. This comes along with the provision of 24/7 monitoring, daily backups, updates, and quarterly service reviews. In addition to all the new features, this update also introduces over 400 customer-reported enhancements and fixes, making the platform release faster, more stable, and more secure.

Support for trusted authentication in HyperIntelligence for Web

With the release of MicroStrategy 2019 Update 2, the MicroStrategy HyperIntelligence for Web, available via the Chrome extension now supports Trusted Authentication Mode. In this release, support is provided for third-party authentication providers: Siteminder, IBM Tivoli, Ping Federate, and Oracle Access Manager. This enhancement allows organizations to seamlessly leverage their existing investments in third-party authentication tools—providing users with trusted, secure access to HyperIntelligence on the web.
Platform analytics surfaces real-time telemetry usage data for every user

Platform analytics exposes usage telemetry data for MicroStrategy objects via Workstation. This allows administrators to easily monitor the real-time usage of applications across MicroStrategy projects. Users can find the telemetry and usage information by simply right-clicking on an object and selecting 'Get Info' in the drop-down menu.

Previously available for dossiers, applications, datasets, documents, reports, and cards, Update 2 makes platform analytics available for everyone at the user level. This makes it easy for administrators to monitor the actions taken by users and provides opportunities for both security and performance enhancements. The following usage information is available for every user: Subscriptions, Executions, Sessions, Objects Owned, Error Rate, Last Week Trend of Connection Source, Last Week Trend, and Top 10 Objects by Total Runs for the Last Week.
Certify reports and deliver governed data

MicroStrategy 2019 allows content authors and data stewards to watermark dossiers, documents, cards, and datasets with a certified stamp that helps easily identify trusted and vetted data in order to confidently broadcast to a larger audience. With Update 2, analysts and data stewards with a certifier privilege can now also certify reports in Workstation.

The ability to certify content is especially important for organizations who have invested in rolling out self-service analytics to business users. Since self-service analytics often goes hand-in-hand with the ability to blend data from various sources, this feature will help users differentiate between content that is certified (trusted information as opposed to content based off unverified data). By delivering the ability to certify reports, reliable self-service, creation, and sharing become easy for authors who rely on existing datasets or reports on the MicroStrategy server.

Sort by certified content

Having the ability to watermark analytics content on the server with a 'certified' stamp offers an easy way to manage governance in an organization. As more content gets certified, the latest update delivers the ability to easily find this vetted data. Currently in Workstation, users can sort objects by name, modified date, creation date, owner, application, and ascending/descending order. With Update 2, users can now filter out and sort by certified content to easily find the content that is certified or trusted.
New configuration options for Enterprise Manager in MicroStrategy Configuration Wizard

MicroStrategy Configuration Wizard allows administrators to configure the metadata repository, Enterprise Manager repository and statistics tables, History List tables, MicroStrategy Intelligence Server, and multiple project sources. In prior versions, the wizard only provided the ability to enable or disable statistics when configuring the Intelligence Server. With Update 2, additional flexibility will be added to configure statistics. Admins can now choose to keep the existing statistics settings in addition to enabling and disabling statistics for all projects.
Support and certification of Microsoft Intune via AppConfig for MicroStrategy Mobile and MicroStrategy Library

The MicroStrategy Mobile and MicroStrategy Library apps have been certified to be deployed and configured using Microsoft Intune as EMM. Mobile administrators can use AppConfig-compatible applications and deploy to their organization using the standard methods for configuration, including authentication, data loss prevention policies, and per-app VPN.