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MIS Automation Solutions

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Accurate - Accessible - Actionable Information for All

MIS Automation (Business Intelligence) using Microsoft BI Technologies

Prosys designs and develops amazing customized MIS Automation (BI) Applications.

Prosys solutions are Non-Proprietary, they don't contain any source code and can easily be maintained by your IT teams. Consistent usage of Prosys solutions will get you business benefits like Improved DSO, Higher Inventory Turns, Reduced Working Capital, Faster Book Closure, etc..

Cortana Gets Even Smarter with Power BI Integration

By Marcus Ash / Group Program Manager, Cortana

As your truly personal digital assistant, we're enabling Cortana to call upon other services to help you get things done. You've seen us work with third parties like LinkedIn and Microsoft services like Office 365 to bring you an even richer Cortana experience. Today, we're excited to announce that Cortana gets even better with a connection to Microsoft's Power BI. Now available in Preview today, Cortana's integration with Power BI enables anyone to get answers directly from their key business data in a more helpful, proactive, and natural way.



Video Link: - https://www.youtube.com/watch?v=L5pVyhlb2wA

By integrating with Power BI, Cortana can give you answers directly from key business data.

By utilizing Power BI's data visualization capabilities, Cortana can provide you with answers ranging from simple numerical values ("revenue for the last quarter"), charts ("number of opportunities by team"), maps ("average customer spending in California by city"), or even complete reports from Power BI.

Announcing Power BI integration with Cortana and new ways to quickly find insights in your data

by Patrick Baumgartner, Principal Program Manager, Microsoft Power BI

At several events earlier this year we previewed integration between Cortana and Power BI, demonstrating how getting insight from information could be made easier than ever before. Today, we're excited to announce the public preview of this integration between Cortana and Power BI. By integrating with Power BI, Cortana now works seamlessly with custom business analytics solutions to enable anyone to get answers directly from their key business data.

And that's not all! Today we're also making available the Quick Insights feature for Power BI. This new automated insight discovery capability makes finding insights hidden in data even easier. Quick Insights in Power BI allows anyone to search their data for outliers, trends, and other potentially interesting insights to get started with deeper analysis of their data.

"Hey, Cortana"

One of the key ways Power BI enables more people to connect with and gain insight from their data is our natural language data search feature, Q&A. Now these Q&A capabilities are helping Cortana to intelligently reason over the data you have access to in Power BI and provide rich data-driven answers to your questions. Combined with the Cortana Analytics Suite, this opens up amazing new opportunities to use Cortana to enable your business, and your

customers' businesses, to get things done in more helpful, proactive, and natural ways.

By utilizing Power BI's data visualization capabilities, answers can range from simple numerical values ("revenue for the last quarter"), charts ("number of opportunities by team"), maps ("average customer spending in California by city"), or even complete reports from Power BI all provided directly from Cortana. Potential answers are either determined by Cortana on the fly directly from the data, or by using reports already created in Power BI that help answer a question. To further explore an answer, users can simply open a result in Power BI.

Questions can be asked in Cortana using either voice or by typing – here are some example responses...



Getting started

Enabling data in Power BI to be accessed by Cortana is a simple process – in fact all you have to do is pick a data source in Power BI and select "Enable Cortana to access this dataset". After that any user who has access to the dataset in Power BI, via regular Power BI sharing, groups and content pack features will be able to get answers from the dataset in Cortana in Windows 10.

To access Power BI data with Cortana in Windows 10, setup is also straight forward:

- Ensure you have Windows 10 version 1511 (Windows 10 November Update) or higher
- Add the work or school account you use with Power BI to Windows 10 within account settings .

Customizing data and results for your organization

Since Cortana uses Power BI Q&A to help answer questions, making sure your data works well with Q&A also helps Cortana provide better answers. To help simplify this, Power BI Q&A has introduced new features to use reports in Power BI as answers.

In Power BI Desktop you'll find new options to set the size of a sheet to match Cortana and to provide both primary and alternate names for sheets. This allows you to create custom Cortana answers using the full capabilities of Power BI Desktop.



To add more power and flexibility, when selecting a report sheet as an answer, Cortana will still apply other filters to the data derived from the question and applicable to the dataset. For example, for a report sheet with "travel data" saying "Patrick's travel data for this year" will select the travel data sheet as a result, and then filter the result to Patrick and this year, based on the underlying data.

If a filter in the sheet is set to require a single selection, then Cortana will only use the sheet as a result if one and only one member of that filter is specified in a user's question.

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These new answer capabilities are available both in Power BI Q&A and Cortana.

Quick Insights

Like I said above: *that's not all*! In addition to helping you get answers more quickly and easily using Cortana, Power BI now has new ways to help you find insights hidden in your data. Power BI's new Quick Insights feature allows you to run a variety of analytical algorithms on your data to search for potential insights with the click of a mouse. Through a partnership with Microsoft Research, we're honing a growing list of algorithms to discover and visualize correlations, outliers, trends, seasonality, change points in trends, and major factors within your data, automatically, within seconds.

To scan your data for potential insights all you have to do is select "Quick Insights" for a dataset uploaded to Power BI. For 10-12 seconds Power BI will iterate across your data searching for subsets of data you may find interesting. If we find something that meets the criteria of one of our insight categories we visualize it, along with any other insights we've found, for you to browse.

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A description of each potential insight and an appropriate visualization of the data is provided to help you understand if it is indeed interesting. If you like something you see you, can pin it to a dashboard with one click.

What types of insights can we find?

The key to finding insights is how Power BI efficiently iterates over different subsets of data within your model while applying a sophisticated set of algorithms to each subset to discover potentially interesting information. By default, we will scan as much of a dataset as possible in an allotted amount of time, while in the future we'll allow you to control what portion of your data we should focus our computational resources on.

Interested in what's behind the Quick Insights feature? These are some of the insights we uncover:

Major factor(s)

	Discount	
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