**Analytics in Microsoft Intelligent Data Platform**

**DREAM Demo in a Box**

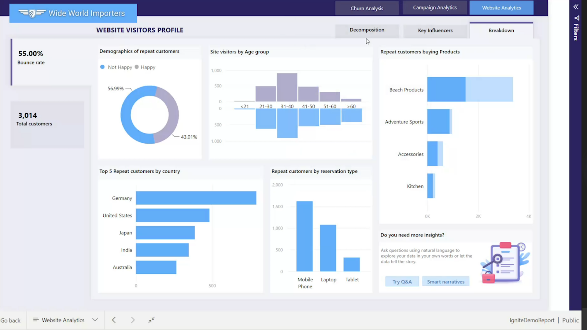
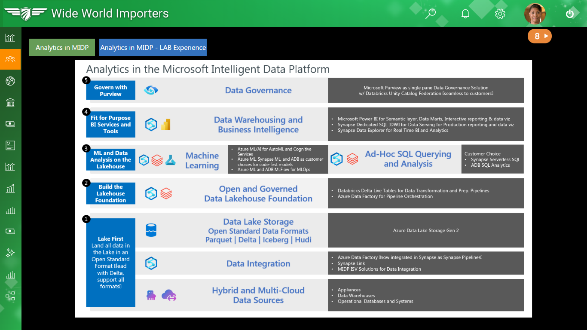
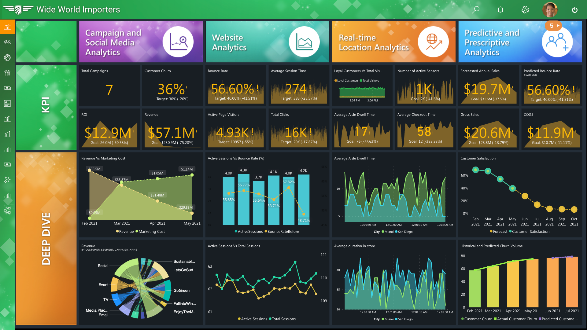
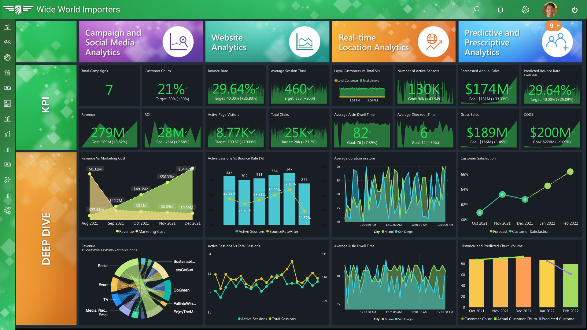
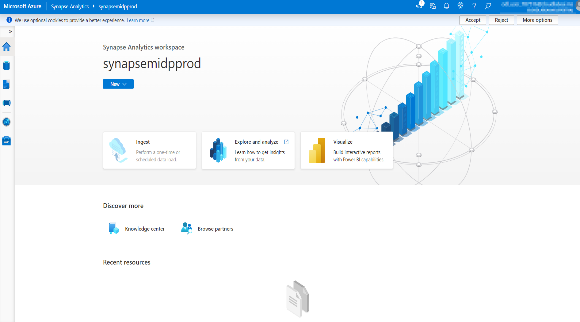
**Setup Document**

For demo feedback and other questions please email [dreamdemos@microsoft.com](https://partner.microsoft.com/en-us/asset/collection/industry-dream-demos-and-dream-demo-in-a-box#/)  
For demo environment issues, please email [dreamdemossupport@spektrasystems.com](https://spektrasystems.com/)

DREAM demos for Microsoft sellers at [https://aka.ms/dreamdemos](https://nam06.safelinks.protection.outlook.com/?url=https%3A%2F%2Faka.ms%2Fdreamdemos&data=04%7C01%7Cv-edamore%40microsoft.com%7Ccd0046dd84d043ff525008da030b4d1d%7C72f988bf86f141af91ab2d7cd011db47%7C1%7C0%7C637825644529938336%7CUnknown%7CTWFpbGZsb3d8eyJWIjoiMC4wLjAwMDAiLCJQIjoiV2luMzIiLCJBTiI6Ik1haWwiLCJXVCI6Mn0%3D%7C3000&sdata=06GJRu3LRUViGr1bQHS9KbTurdKj71R4j0Cuxwmjuvk%3D&reserved=0).

DREAM Demos and DDiB assets for partners in **MPN Portal** at [https://aka.ms/dreamdemosforpartners](https://nam06.safelinks.protection.outlook.com/?url=https%3A%2F%2Faka.ms%2Fdreamdemosforpartners&data=04%7C01%7Cv-edamore%40microsoft.com%7Ccd0046dd84d043ff525008da030b4d1d%7C72f988bf86f141af91ab2d7cd011db47%7C1%7C0%7C637825644529938336%7CUnknown%7CTWFpbGZsb3d8eyJWIjoiMC4wLjAwMDAiLCJQIjoiV2luMzIiLCJBTiI6Ik1haWwiLCJXVCI6Mn0%3D%7C3000&sdata=S8vme76wWCqIqxKFL7W3xgDIO4nm5acND9Qn3ruzId0%3D&reserved=0)





**IMPORTANT NOTES**:

1. DREAM Demo in a Box (DDiB) can be deployed by sellers in their Azure Subscriptions. **Sellers can deploy DDiB in customers’ subscriptions ONLY through the CAPE process**. **CAPE** tool is accessible by Microsoft employees. For more information about the **CAPE** process, please connect with your Local Data & AI Specialist or CSA/GBB.
2. **Please go through the** [**license agreement**](https://github.com/microsoft/Azure-Analytics-and-AI-Engagement/blob/healthcare/HealthCare/License.md) **before proceeding.** Please follow the agreements and disclaimers included with the assets.
3. Please note that **Azure hosting costs** are involved when DREAM Demos in a Box are implemented in customer or partner Azure subscriptions. **Microsoft will not cover DDiB** **hosting costs** for sellers or customers.
4. Since this is a DDiB, there are certain resources open to the public. **Please ensure proper security practices are followed before you add any sensitive data into the environment.** To strengthen the security posture of the environment, **leverage Azure Security Center.**
5. For any questions or comments please email **dreamdemos@microsoft.com.**

**NOTE:** Set up your demo environment at least **two hours** before your scheduled demo to make sure everything is working.

## **The Basics**

| **Steps** | **Screenshot** |
| --- | --- |
| **PLEASE USE Microsoft EDGE based on CHROMIUM**for the below stepsto enablecopying and pasting credentials directly from the browser. There is a known issue with the Edge browser where the copy/paste for credentials doesn’t work. To download Microsoft Edge based on Chromium, please go [here](https://support.microsoft.com/en-us/help/4501095/download-microsoft-edge-based-on-chromium).  *The screenshots in this document are from the writer's demo environment. The demo resources for readers or presenters (like Azure Synapse Analytics, Power BI workspace, and SQL endpoints) may have different names than these screenshots. We advise readers to use their judgment to select the correct demo resources.* |  |
| **Requirements**   * An Azure account with the ability to create an Azure Synapse Workspace. * A Power BI Pro or Premium account to host Power BI reports. * Make sure you are the Power BI administrator for your account and Service principal access is enabled on your Power BI tenant. * Make sure the following resource providers are registered in your subscription. * Microsoft.Sql * Microsoft.Synapse * Microsoft.StreamAnalytics * Microsoft.EventHub * Microsoft.Media.MediaServices * Microsoft.Kusto * Microsoft.Purview * You can run only one deployment at any point in time and need to wait for its completion. You should not run multiple deployments in parallel as that will cause deployment failures. * Select a region where the desired Azure Services are available. If certain services are not available, deployment may fail.  See [Azure Services Global Availability](https://azure.microsoft.com/en-us/global-infrastructure/services/?products=all) for understanding target service availability. (Consider the region availability for Synapse workspace and cognitive services while choosing a location) * Do not use any special characters or uppercase letters in the environment code. Also, do not re-use your environment code. * In this DDiB we have converted real-time reports into static reports for the ease of users but have covered the entire process to configure a real-time dataset. Using those real-time datasets, you can create real-time reports. * Please ensure that you select the correct resource group name. We have given a sample name that may need to be changed should any resource group with the same name already exist in your subscription. * The audience for this document is CSA’s/GBB’s. * Please log in to Azure and Power BI using the same credentials. * Once the resources have been set up, please ensure that your AD user, Synapse workspace and AD application called “midp” have the “Storage Blob Data Owner” role assigned on the storage account name starting with “storage”. You need to contact AD admin to get this done. |  |

## **Guidelines and Best Practices for Delivery Leads**

|  |  |
| --- | --- |
| **Do​**   * Work with the customer to monitor the daily costs of resources, especially SQL Pools to help minimize costs​. * **Pause the resources when not in use**by following [**Task 10:  Pause/Resume resources**](https://github.com/microsoft/Azure-Analytics-and-AI-Engagement/blob/retail2.0/retail/Readme-shell.md#task-10-pause-or-resume-script). Not doing so could result in an unexpected **cost** to the customer. * The delivery lead from Microsoft should work with the subscription owner/customer to do the cleanup​. * Follow the naming conventions for the resources that are mentioned in the DDiB setup document​.  ​ * Follow the standard POC process that CSAs/GBBs/Engineering teams use​. * Secure resources & Power BI within the customer’s VPN.​​ * Use a dev or test environment for deployment. ​ * Follow Azure security best practices and patterns​​. * Ensure that the Power BI workspace meets the customer’s security and compliance policies​. | **Don’t**   * CSAs, GBBs, or partners - Do **NOT** include any customer confidential data. * Do not leave SQL pools running when not in use​. * Do not modify the table schemas when customizing the customer’s data as pipelines and Power BI reports will fail​. * Do not keep your Azure Cloud Shell idle for more than 10 minutes to avoid the Cloud Shell timeout error. ​ * Do not share the following credentials with anyone outside the delivery team: ​   -SQL and Shared Access Signature (SAS) ​  -Web app/Power BI workspace credentials​   * Do not assign resource permissions to anyone outside the delivery team. |

## **Set-up Tasks**

Follow the set-up instructions mentioned here on [GitHub](https://github.com/microsoft/Azure-Analytics-and-AI-Engagement/blob/analytics-in-midp/ddib/Readme-shell.md).

**[Appendix](#appendix)**[: Known Security Vulnerabilities](#appendix)

**Appendix – Known Security Vulnerabilities**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Sr.** | **Resource** | **Severity** | **Risk** | **Comments** |
| 1. | Synapse SQL Pool   * Single deployed Synapse SQL Pool | High | The shared user is used for deployments and access | This is necessary for hydrating the data in advance. Users can later be restricted access based on requirements. |
| 2. | Storage Accounts   * Storage Account with prefix dreamdemogen2 | High | Few of the containers are public | This is done for ease of access during the POC deployment. |
| 3. | Azure Synapse Workspace   * Single deployed Synapse Workspace | High | All IP Addresses Open | Need this open to preload data. Access can later be restricted by users, by allowing their IPs and restricting others. |

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