



Harnessing the Power of ConverSight's Data Lake

Unlocking Efficiency and Security in Data Management
with ConverSight's Innovative Data Lake Solution.





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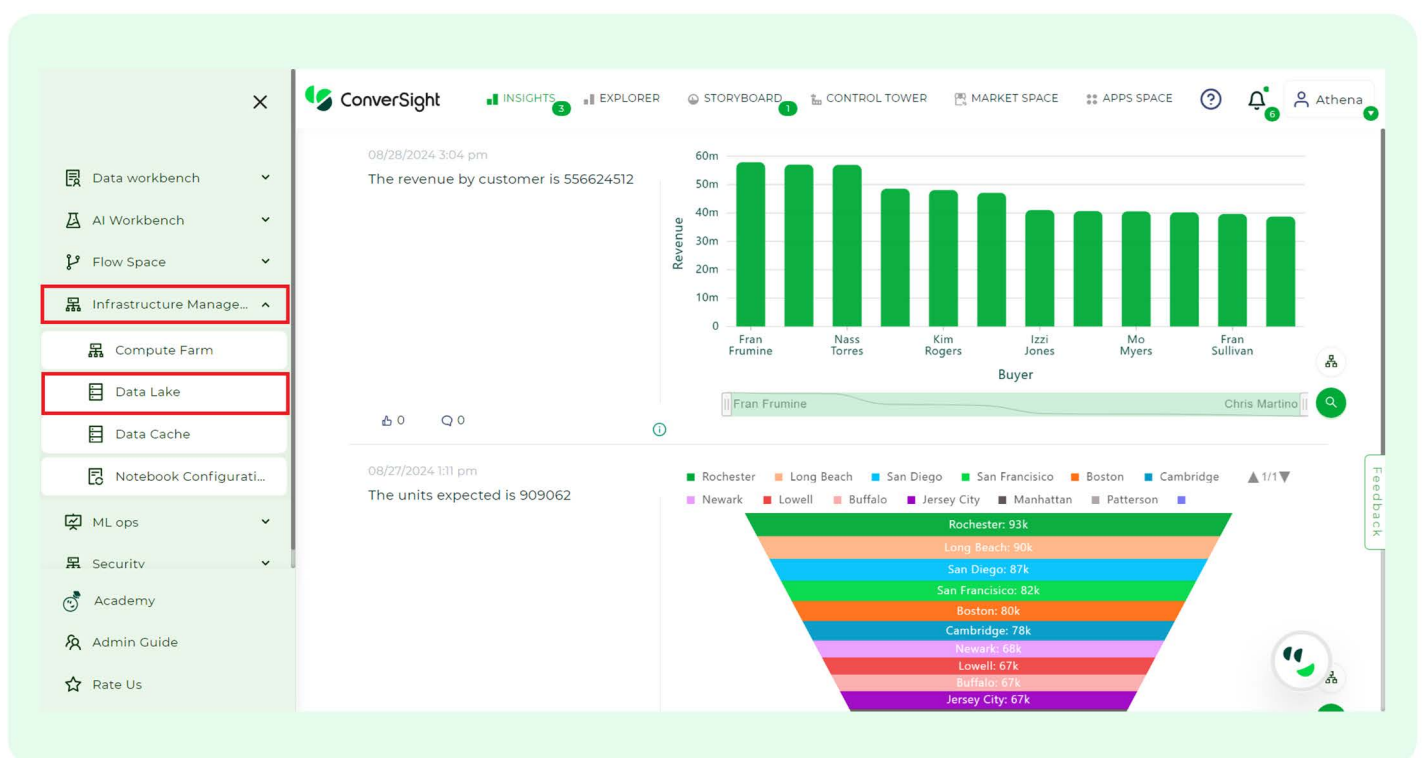
I. Introduction

In today's data-driven landscape, managing vast volumes of information efficiently while ensuring security remains a paramount challenge. That's where ConverSight's innovative Data Lake comes into play, offering a centralized repository designed to store, process and safeguard both structured and unstructured data seamlessly.

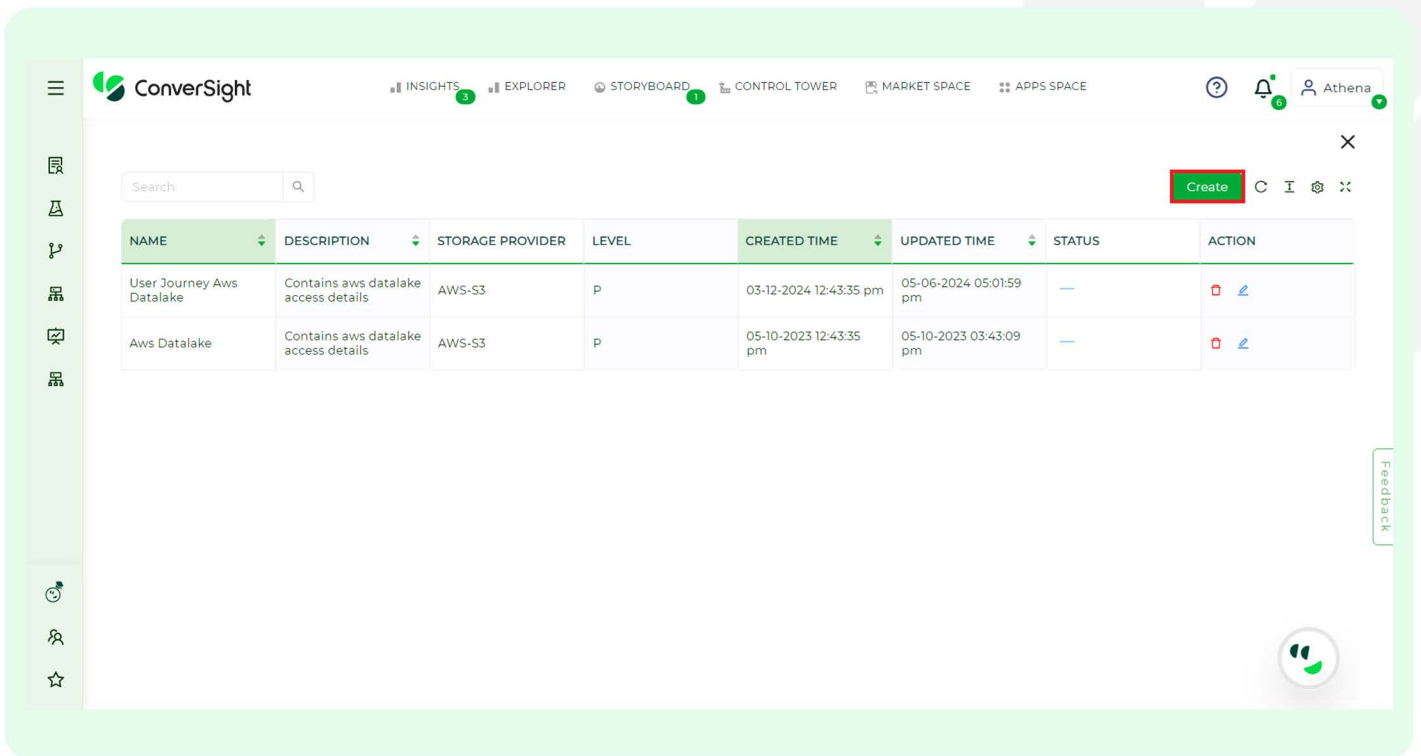
At its core, ConverSight's Data Lake serves as a powerhouse for organizations, capable of retaining data in its raw format without compromising on processing power or scalability. This means users can store massive amounts of data without worrying about its size or format, allowing for a comprehensive approach to data management.

2. Data Lake in ConverSight

To set up a Data Lake within the ConverSight platform, access the configuration panel and select the **'Data Lake'** option found in the **'Infrastructure Management'** menu.

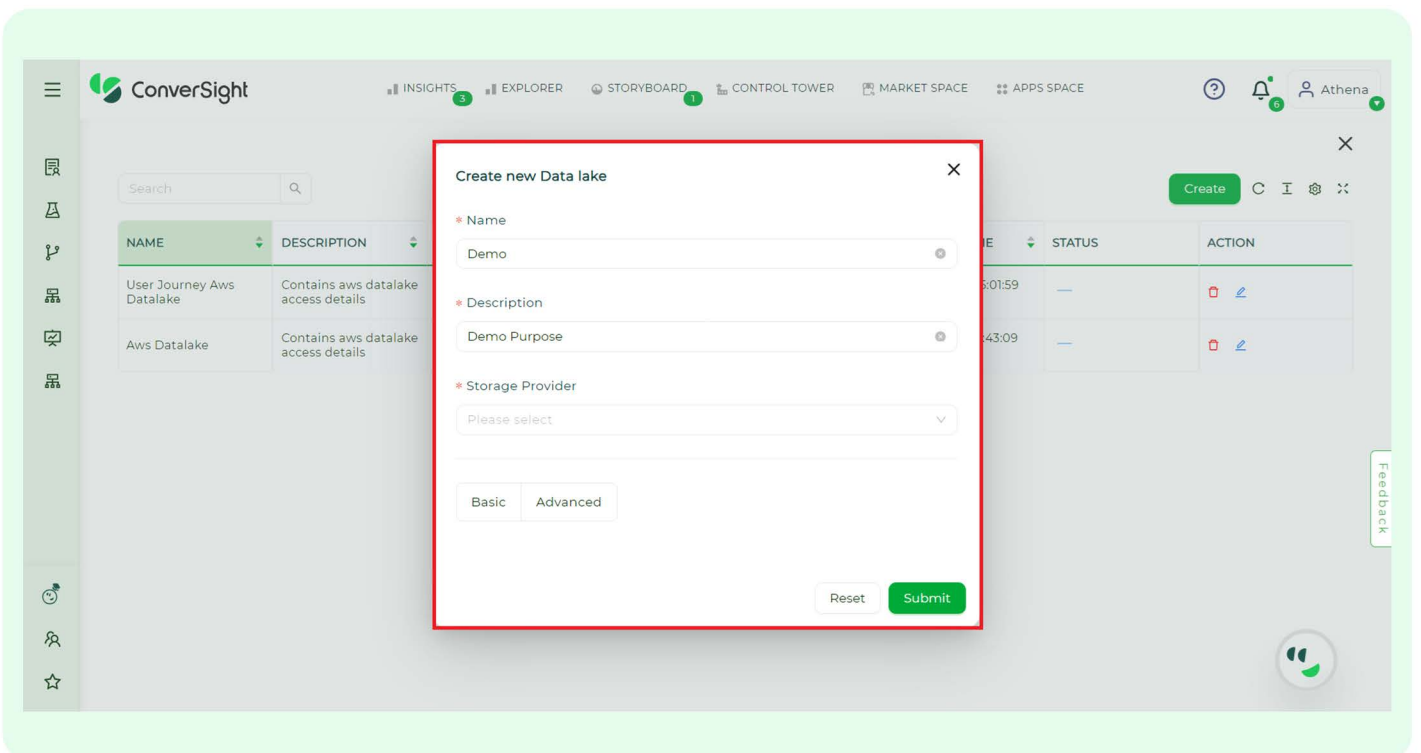


Upon selecting the Data Lake option, users are redirected to the Data Lake page, where they can click on the **'Create'** button to create a Data Lake.



3. Basic Data Lake Configuration

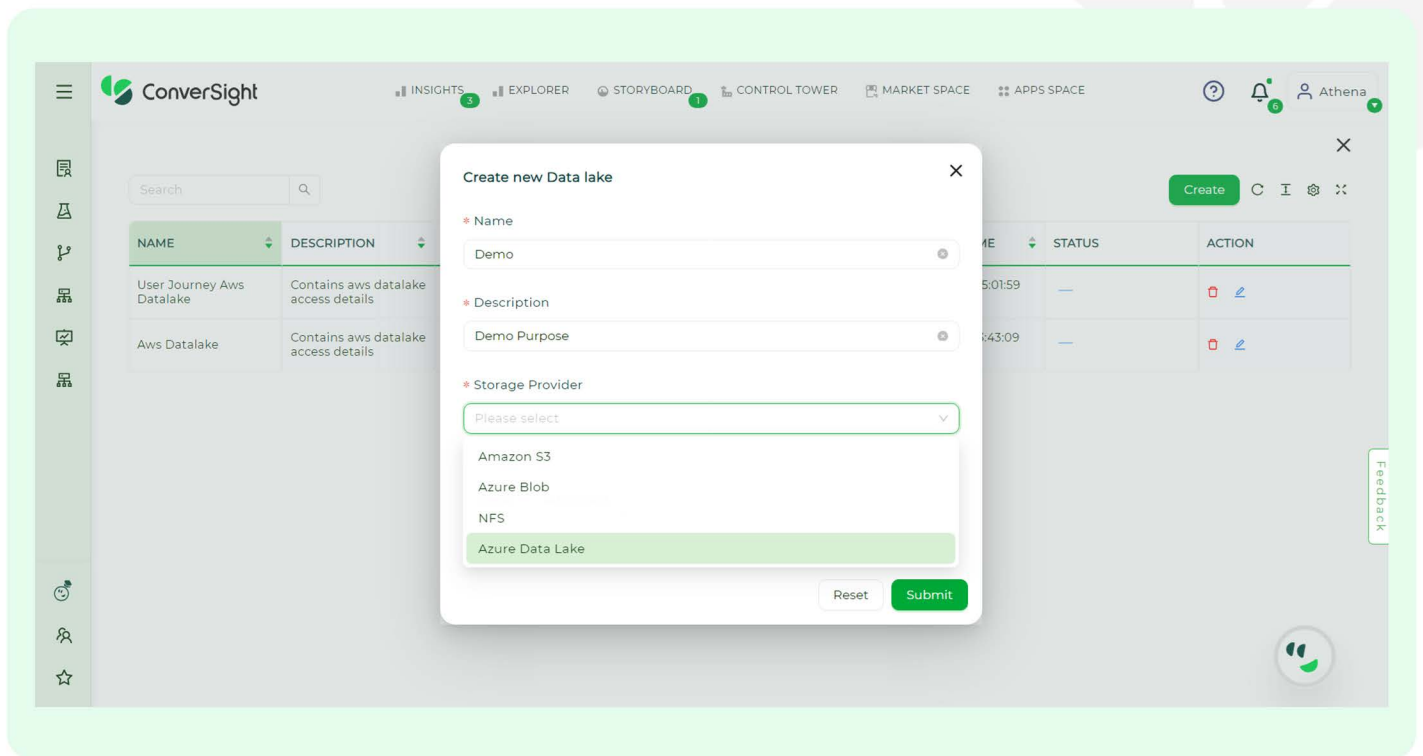
In the **'Create New Data Lake'** dialog box, provide the Name and Description of your Data Lake for easy identification and better understanding.



In the Basic configuration, users have the option to use ConverSight's database as the storage provider for their Data Lake.

4. Advanced Data Lake Configuration

In the Advanced Data Lake configuration, ConverseSight provides users with widely used Storage providers to connect their custom databases to create a Data Lake.



Currently, ConverseSight offers users access to the following storage providers:

- Amazon S3
- Azure Blob
- Azure Data Lake

4.1 Amazon S3

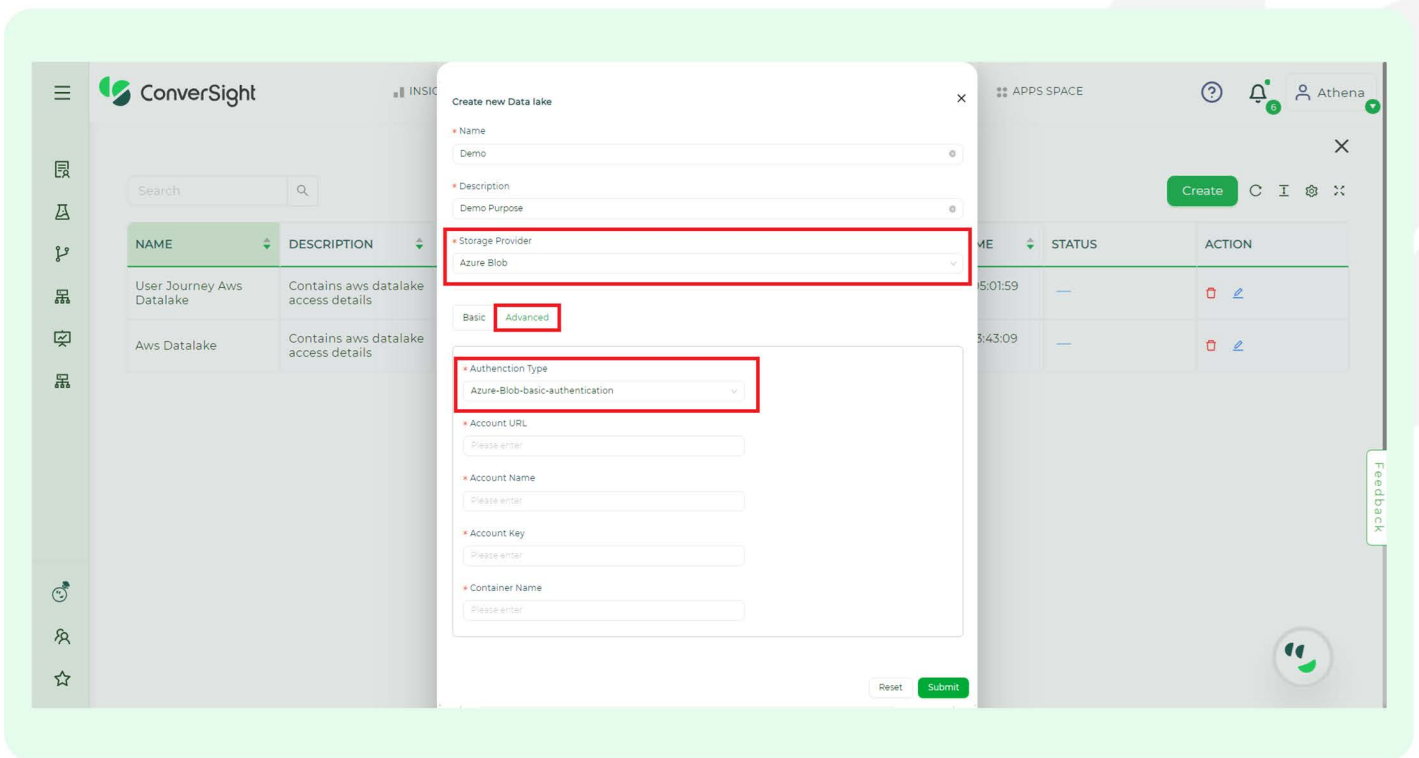
When selecting Amazon S3 as your storage provider, you'll need to provide the following details to connect your custom database to your Data Lake.

REQUIREMENT	DESCRIPTION
Access Key	Unique identifier granting access to Amazon S3 resources.
Access Secret	Secret key used in conjunction with the access key for secure authentication.
Region	Geographic location where the Amazon S3 bucket is stored.
Bucket Name	Unique name identifying the storage container within Amazon S3.



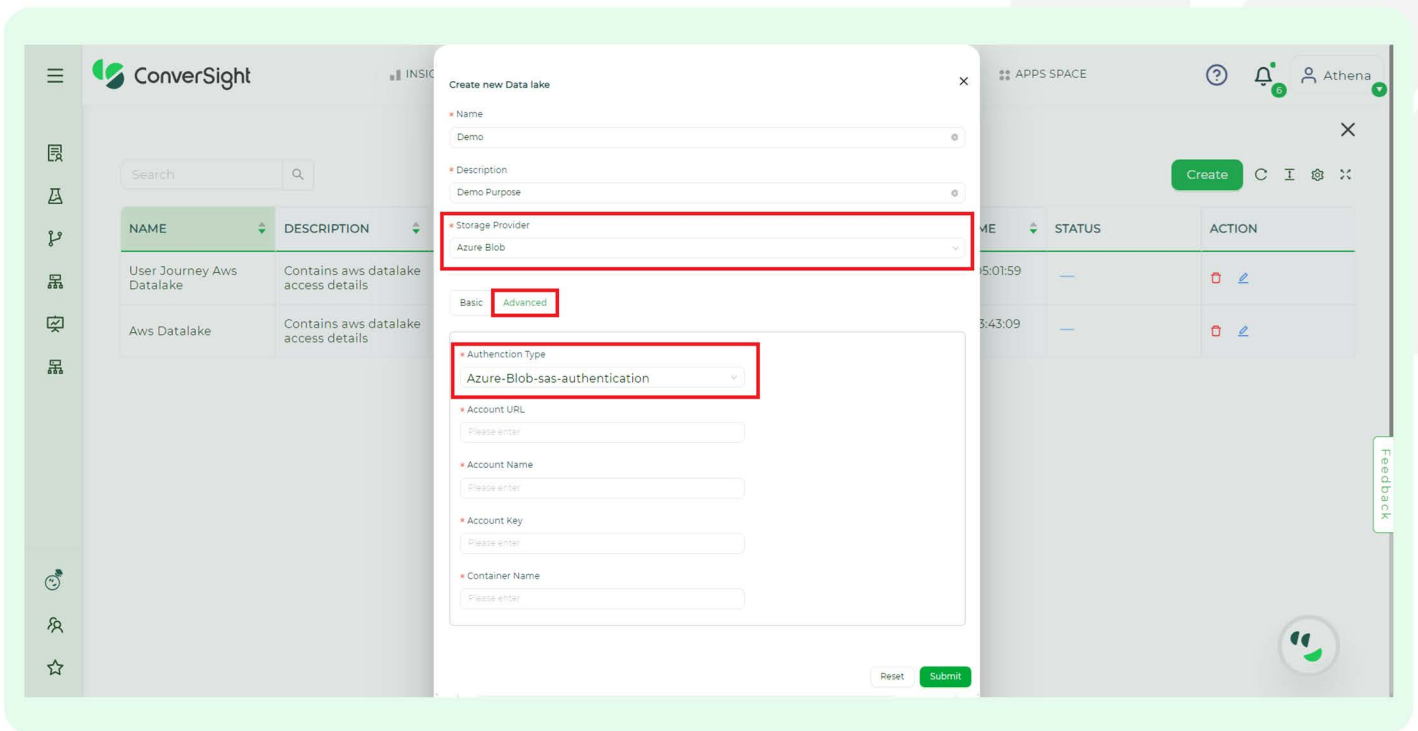
4.2 Azure Blob

Users have the option to utilize their own Azure Blob storage as a foundation for their data lake within the ConverSight platform. This can be achieved through either providing basic authentication credentials or supplying a Shared Access Signature (SAS) token.



When configuring your Data Lake to connect with Azure Blob storage using Basic authentication, you'll need to provide the following information.

REQUIREMENT	DESCRIPTION
Account URL	The web address that points to your Azure Blob storage account and allows access via Basic authentication.
Account Name	The unique identifier for your Azure Blob storage account when using Basic authentication.
Account Key	The secret key used for authentication and authorization when accessing resources within your Azure Blob storage account with Basic authentication.
Container Name	The specific named location within your Azure Blob storage account where you store and organize data when utilizing Basic authentication.

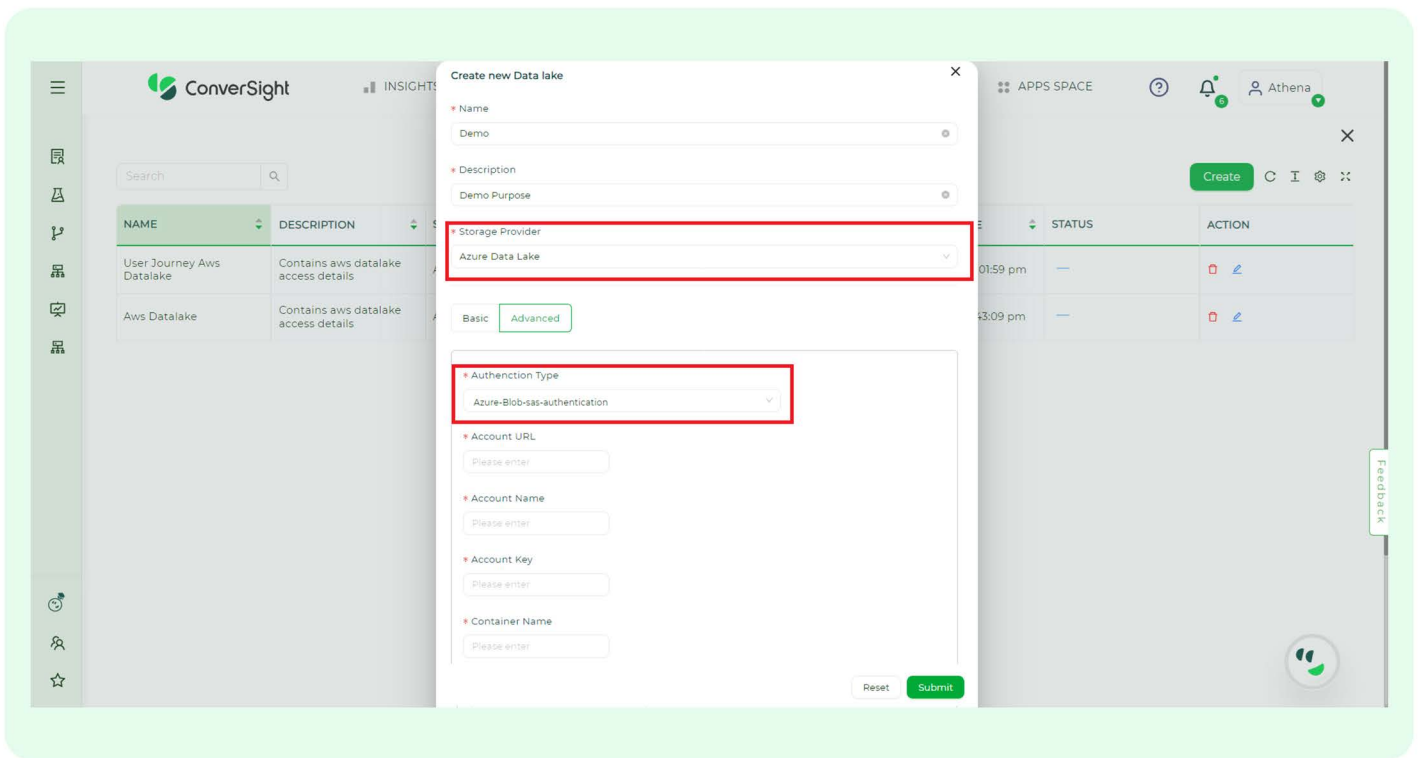
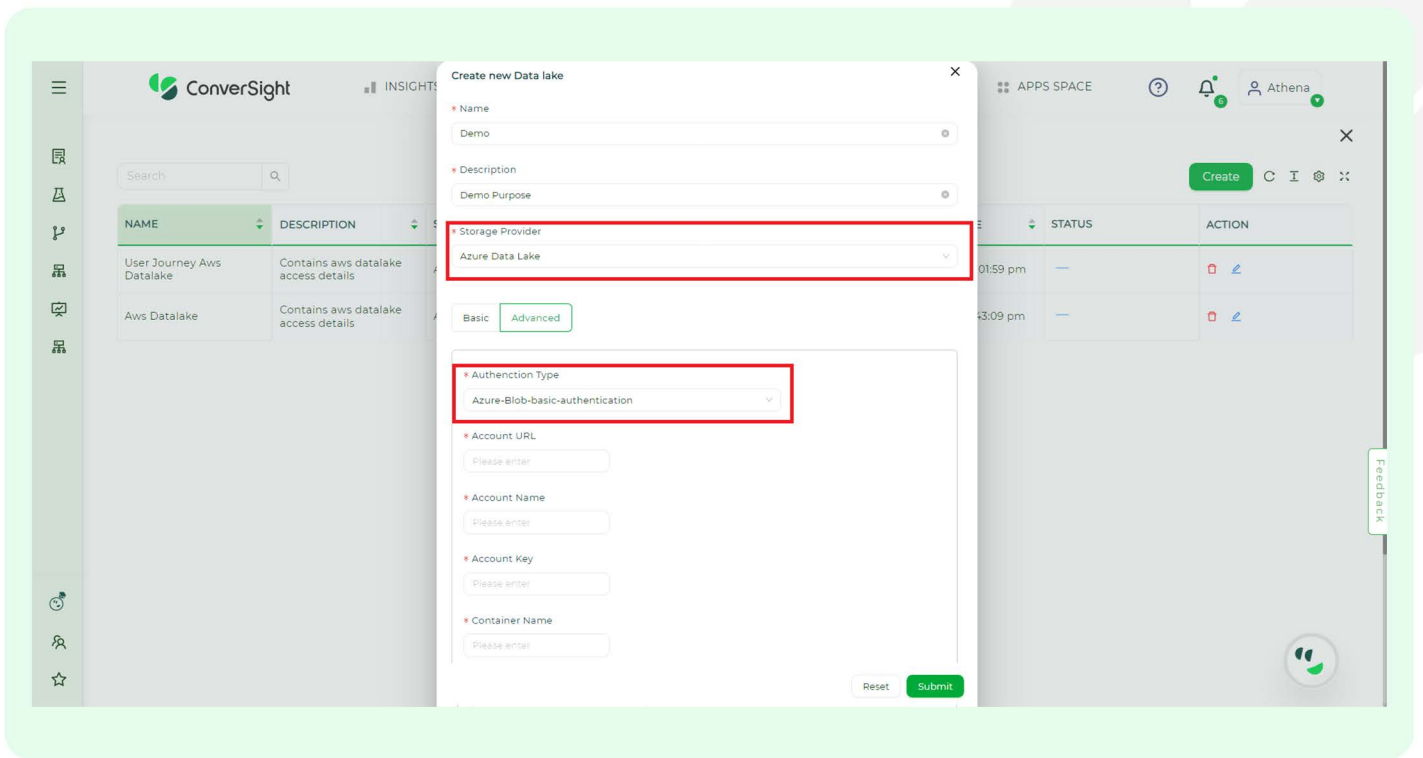


When setting up your data lake using Azure SAS authentication, you need to provide the subsequent details.

REQUIREMENT	DESCRIPTION
Account URL	The web address that points to your Azure Blob storage account and allows access via Basic authentication.
SAS Token	A SAS (Shared Access Signature) token is a secure access key that grants temporary, restricted access to specific resources within a storage account.
Container Name	The specific named location within your Azure Blob storage account where you store and organize data when utilizing Basic authentication.

4.3 Azure Data Lake

Establishing connections to Azure Data Lake involves providing similar details as those required for Azure Blob storage. This includes information such as account name, account URL, account key (or SAS token) and container or directory name.



5. Conclusion

Data Lake emerges as an indispensable solution for organizations grappling with extensive data volumes. Its provision of scalability and flexibility, coupled with seamless integration with existing infrastructure or cloud services, offers adaptability to diverse data management needs. Moreover, the user-friendly deployment processes of modern platforms like ConverSight's Data Lake expedite setup, ensuring swift customization and accelerating time-to-value. Furthermore, the additional benefits such as enhanced security features and advanced analytics capabilities provided by ConverSight's Data Lake underscore its value proposition, guaranteeing data privacy and enabling profound insights extraction for informed decision-making.

Join our customers who have accelerated growth with ConverSight



About ConverSight

ConverSight's Adaptive Analytics platform uses conversational AI, Natural Language Processing and machine learning to converge the distance between humans and data through data stories, presenting the meaning of data in the most effective, personalized and efficient form possible. ConverSight's patented AI business assistant, Athena, connects distributed databases to answer questions and Augment the consumers through 4 key functions: Information on demand, Automated Story Telling, Proactive Insights, and Recommended Actions.

For more information, visit www.conversight.ai

