



Modernize Your Data Architecture with FlexPod and Zaloni Bedrock

Before investing in decision support analytics you need to invest in capturing high quality data. Track data quality, lineage and implement strong data governance with NetApp and Zaloni Bedrock.

Key Features

Unified Data Management

Provides federated management and access control via a single unified view across the enterprise

Managed Ingest

Data is validated upon ingest to ensure and measure data quality with metadata being captured for completeness.

Secure Data and Maintain Visibility

See what data is available across your enterprise with Zaloni Mica enterprise catalogue supporting provisioning and collaboration. Secure data with user-level masking and tokenisation.

Self-Service Data Preparation

With Zaloni Mica's interactive data preparation approach, analysts and data scientists can select up to date, quality controlled data packages to support their research and analysis activities.

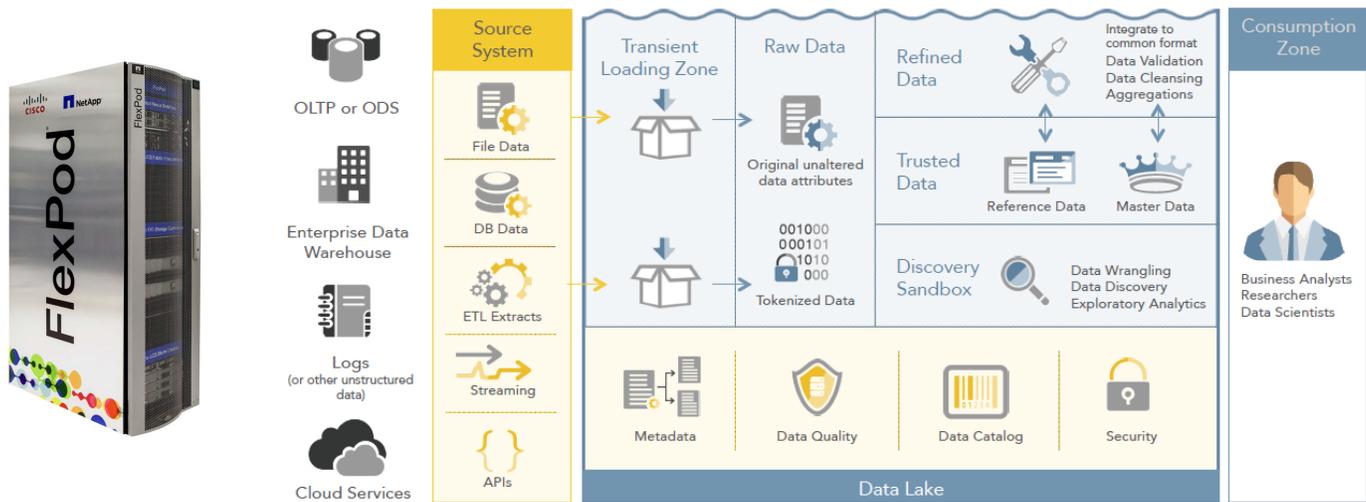
Keep your data lake crystal clear and avoid data sludge

Many organisations have invested in data lake technology with the aim of extracting value from data sets that have historically been underused; or which when used in combination with other data may yield valuable insight. This approach of storing everything and providing a flexible analytics framework can provide excellent returns, but all too often the important eureka moment is delayed as analysts spend time and resources identifying and resolving data quality issues. It is as if the data lake has become contaminated with data sludge, reducing visibility and requiring manual handling to locate important insights. The best way to prevent this by filtering and analysing data, before you include it in the data lake. This way only complete and accurate data is included and the opportunity is provided to fix or clean the problematic data sources upstream - keeping your data lake crystal clear.

FlexPod Select for Hadoop with Zaloni Bedrock Data Management Platform

FlexPod is a converged infrastructure reference architecture from NetApp and Cisco. It is a mature datacentre class solution and is trusted by companies worldwide making it the market leader in the class of configurable converged infrastructure designs.

FlexPod Select has been specifically designed by NetApp and Cisco to provide an optimised implementation of FlexPod for Hadoop by focusing on both performance and capacity optimisation. FlexPod Select with Zaloni Bedrock works with a number of leading Hadoop distributions including Cloudera, MAPR and Hortonworks to deliver extensive data governance capabilities.



FlexPod Select with Zalon Bedrock Data Lake Management platform offers rich governance features such as user access security, data ingest, data quality control, and lineage to protect both the security and quality of your data lake.

Security

Protecting and securing digital assets is essential, but can be challenging with traditional Hadoop HDFS implementations which are typically designed to facilitate data sharing when in reality users have different permissions to view information. Zalon Bedrock provides user level masking and tokenisation of data at ingest and ensures these processes are complete before the data is published to the data lake for consumption.

Workflow and Visualisation

Zalon uses workflows to ensure consistency and repeatability of key processes. At ingest and throughout data preparation, workflows can be used to reconcile updated or changed data. The prepared data Query Builder allows business analysts with little to no SQL knowledge to explore the data that they have visibility into, and extract the data so they can use the visualization tool of their choice.

Capabilities

Ingest - accepts streaming data and includes a data landing zone for monitoring new files/changes

Organise - automated inventory generation, data quality, data profiling/lineage and monitoring via the inventory dashboard

Enrich - workflow and orchestration for enhancing data, includes transformation designer and data preparation functions

Self Serve - users can generate and prepare their own data sets

Operationalise - all actions logged for both audit and troubleshooting and role based access to protect data.

Summary

FlexPod with Zalon Bedrock and Mica provide a powerful solution for the management and quality control of an organisations data lake. Data ingest and publishing can be strictly managed in respect of quality control and user access. Whilst enterprise data visibility mean it is possible to track what assets are available, and prepare data packages for efficiency processing and analysis.

NetApp and Cisco Partnership

Customers depend on NetApp and Cisco to move and process valuable information. The partnership between the two companies has resulted in over 100 verified designs and the industry's leading solution for converged infrastructure.

Contact your NetApp account manager to see how FlexPod Select with Zalon Bedrock and Mica can improve the quality of your data and the collaboration of your analysts

About NetApp

Leading organisations worldwide count on NetApp for software, systems and services to manage and store their data. Customers value our teamwork, expertise and passion for helping them succeed now and into the future.

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