

IBM Open Data Analytics for z/OS (IzODA): Introduction

0:01 Hello, I'm Nicholas Marion, Chief Product Owner and Service Team Lead of IBM Open Data Analytics on z/OS, also known as IzODA.

0:09 IzODA is an assembly of open source and proprietary technologies that enable data scientists and application developers to both analyze and visual large volumes of data hosted on IBM Z without moving the data.

0:24 IzODA is made up of three main components: z/OS Spark, z/OS Anaconda, and the optimized data layer.

0:31 z/OS Spark is built on Apache Spark, a high performance, in-memory, execution engine for large scale data processing and includes z/OS platform integrations.

0:42 z/OS Anaconda is a package and environment manager. It brings both Python and R languages to z/OS along with hundreds of machine learning libraries and toolkits.

0:50 The optimized data layer provides your Spark and Python applications both integration facilities for both IBM Z and other off-platform data sources.

1:00 By integrating key open source analytics technologies, with advanced data access and abstraction services, IzODA can provide your business with a simplified data analysis solution.

1:11 Additionally, by federating your IBM Z environment with your existing analytics infrastructure across platforms, you'll not only be able to bring compute capabilities to your original data sources, but you'll also avoid unnecessary data movement and duplication of data, all while enforcing your privacy and security policies within your enterprise.

1:31 We look forward to you learning more about this analytics offering.