Overview of Apache NiFi

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Abstract: *Apache NiFi is an open-source data integration tool designed to automate the flow of data between systems. It provides a user-friendly interface to design data flows and move data between different systems, making it easier to collect, distribute, and manage data in real-time. NiFi supports the concept of data flow, allowing users to define and visualize the movement of data from various sources to various destinations.At its core, Apache NiFi is a data integration tool that facilitates the automated flow of data between systems. It was developed by the National Security Agency (NSA) and later open-sourced as part of the Apache Software Foundation. NiFi is designed to be scalable, flexible, and easy to use, making it suitable for a variety of data integration scenarios.Providing a user-friendly interface for designing, managing, and monitoring data flows, NiFi facilitates the seamless movement of data across different environments. Utilizing a visual design paradigm, users can construct data flows by connecting a variety of processors that perform tasks such as data ingestion, transformation, and routing. NiFi's scalability, provenance tracking, and security features make it well-suited for handling complex data integration scenarios. With a robust community and ongoing development, Apache NiFi continues to play a crucial role in simplifying and optimizing data movement and processing workflows*

Keywords: NiFi

REFERENCES

[1]. Apache NiFi

[2]. The official website is the central hub for Apache NiFi information, including downloads, documentation, news, and community resources.

[3]. Apache NiFi Documentation

[4]. The official documentation provides comprehensive guides, tutorials, and reference material covering installation, configuration, and usage of Apache NiFi.

[5]. Apache NiFi GitHub Repository

[6]. The GitHub repository hosts the source code, release notes, and issues related to Apache NiFi. It's a valuable resource for developers and those interested in the project's development.

[7]. Apache NiFi Users Mailing List

[8]. The mailing list is a forum for NiFi users to ask questions, share experiences, and seek help from the community. It's a good place to connect with other NiFi users and developers.

[9]. NiFi Registry Documentation

[10]. If you are using NiFi Registry as part of your workflow, its documentation provides information on version control, managing flows, and deploying data flows.

[11]. Apache NiFi Wiki

[12]. The NiFi Wiki on the Apache Confluence site includes additional resources, tips, and community-contributed content.

[13]. Apache NiFi Questions on Stack Overflow

[14]. Stack Overflow is a popular platform for asking and answering technical questions. The Apache NiFi tag is used for discussions related to NiFi on this platform.

[15]. Apache NiFi Blogs

[16]. The Apache NiFi Blogs page features blog posts related to Apache NiFi. It can be a source of additional insights, use cases, and community contributions.

[17]. NiFi Processor Documentation

[18]. This example link directs you to the documentation for the ExecuteStreamCommand processor. You can explore other processor documentation from the main documentation page.

[19]. [iot] Wikipedia. Internet of Things [online]. Retrieved: from: http://en.wikipedia.org/wiki/Internet_of_Things

[20]. bigdata] Wikipedia. Big Data [online]. Retrieved:, from: http://en.wikipedia.org/wiki/Big_data