NebulOuS

A META OPERATING SYSTEM FOR BROKERING HYPER–DISTRIBUTED APPLICATIONS ON CLOUD COMPUTING CONTINUUMS

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Empower Your Cloud Journey to the Edge with NebulOuS: Efficient and Intelligent Fog Brokerage for Data-Driven Applications

KEY FEATURES

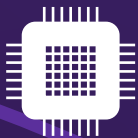Unified security for cloud computing continuums

Smart contract service level agreements monitoring

Intelligent applications, workflows and data stream managements

Efficient multi-criteria assessment of available offerings

New tools for describing app requirements & data streams

NebulOuS is a trailblazing research project committed to making substantial contributions in the realms of cloud and fog computing brokerage, bringing together dedicated experts, visionaries, and innovators passionate about reshaping the landscape of cloud computing.

OUR USE CASES

Windmill Maintenance
Energy and utilities

Automate windmill data processing with drones for real-time damage detection

City Maintenance
Smart city

Empower cities by enabling connectivity, edge analytics and interoperability

Precision Agriculture
Agriculture

Enhance real-time image processing for tractors for optimized fertilization processes

Fresh Food Supply
Transport and logistics

Provide a real-time system for monitoring transport vehicles and optimizing routes

Crisis Management
Environment

Ensure reliable and efficient operations for emergency planning and response efforts

OUR OUTCOMES

Advanced provisioning tools

Develop cutting-edge methods and tools for secure and optimal application provisioning and reconfiguration

Meta Operating System

Pioneer the development of a Meta OS and platform for transient fog brokerage ecosystems, ensuring efficiency and adaptability

NebulOuS solution

Implement a comprehensive solution focusing on modeling, efficient comparison, intelligent management, unified security, and smart contract-based SLA monitoring

36 months | 16 partners | 8 countries

POWERED BY

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