

IBM, Amazon Web Services Join Forces to Help Oil & Gas Industry Accelerate Energy Transition

Collaboration Will Bring Together AWS and IBM Open Data for Industries for a Comprehensive OSDU™ Data Solution



ABU DHABI, United Arab Emirates, Nov. 15, 2021 /PRNewswire/ -- Today at ADIPEC, IBM (NYSE:IBM) and Amazon Web Services, Inc. (AWS), an Amazon.com, Inc. company (NASDAQ: AMZN) announced the two companies will combine the benefits of [IBM Open Data for Industries for IBM Cloud Pak for Data](#) and the [AWS Cloud](#) to serve energy customers. This comprehensive solution is built on Red Hat OpenShift and will run on the AWS Cloud, simplifying the ability for customers to run workloads in the AWS cloud and on-premises. The two companies also intend to collaborate on further co-development of future functionality to provide greater flexibility and choice on where to run OSDU applications.

As an [IBM and Reuters whitepaper, sponsored by IBM, found](#), the energy industry is facing pressure to reduce greenhouse gases as demand for affordable energy continues to rise. Energy companies need solutions that help drive efficiencies to free up capital, time and resources to invest in discovering new, more sustainable energy sources for the future. Data and digital technologies can help to navigate this transition, yet an [IBM survey](#) found that less than half of oil and gas executive respondents are using data to drive that innovation. This is in part because most of the digitization efforts have been in proprietary closed systems, hindering the potential to combine and maximize the value of data.

The collaboration between IBM and AWS aims to accelerate reduction of data barriers in the industry. [IBM Open Data for Industries](#) is an open-source solution using the OSDU data foundation for the oil, gas and energy industry. IBM Open Data for Industries is fully integrated with IBM Cloud Pak for Data for easy data management, and built on [Red Hat OpenShift](#), the industry's leading Kubernetes platform and open architecture, designed so that companies can run and operate applications universally. With this collaboration, customers will gain the flexibility to run OSDU Data Platform applications in the AWS cloud or on-premises while addressing data residency requirements. Combined with the expansive cloud infrastructure of [AWS cloud services](#), this data platform can help energy companies reduce the cost, time and resources needed to leverage the data to derive insight, streamlining operations and transition to sustainable energy generation.

"Much of the data needed to solve the complex energy challenges, such as superior subsurface decisions, already exists, yet is untapped. This is because one of the greatest values of that data is derived when it can be effectively combined, but usually this data is locked by data residency requirements, legacy applications or proprietary data formats," said Bill Vass, vice president, engineering, AWS. "By collaborating with IBM and leveraging Red Hat OpenShift, we will be able to offer customers a global,

seamless offering with the flexibility to run on virtually any IT infrastructure and drive longer-term digital innovation."

The OSDU Forum is a cross-industry collaboration that provides a vendor-neutral framework for companies to develop data platforms against common energy industry standards. By working together, IBM and AWS will accelerate the value of this platform for global customers. The goal is that this combined effort will help serve the needs of energy companies today with flexibility to adapt to change amid energy transition.

"Data is a critical asset to help fuel energy transition, yet too often energy companies must choose between running applications on-premises or in the cloud, and often each deployment uses a proprietary data format," said Manish Chawla, global managing director, energy, resources and manufacturing, IBM. "This means that rather than using all of that collective data to gather insights, augment operations and inform innovation, some of it was going unused. Our collaboration with Amazon Web Services is addressing the need to make it easier for energy customers to access their data and provides the industry with a flexible solution to meet the challenges of today, as well as more easily adapt as the industry evolves."

This collaboration underscores the value of IBM and Red Hat to provide flexibility and unlock greater business value for operational data across industries.

Those attending the [ADIPEC Exhibition and Conference](#) are encouraged to attend a joint, fireside session hosted at the AWS booth, Abu Dhabi Convention Centre, Hall 13, AWS booth #13360, on Monday, Nov. 15th 12:30pm - 1:00pm GMT +4. AWS and IBM will further discuss this collaboration and meeting the challenges of the industry.

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