TCS Intelligent Urban Exchange™ (IUX)

Microsoft Azure

ABOUT [TATA CONSULTANCY SERVICES]:

Tata Consultancy Services is an IT services, consulting and business solutions organization that has been partnering with many of the world's largest businesses in their transformation journeys for over 50 years. TCS offers a consulting-led, cognitive powered, integrated portfolio of business, technology and engineering services and solutions. This is delivered through its unique Location Independent Agile™ delivery model, recognized as a benchmark of excellence in software development.. A part of the Tata group, India's largest multinational business group, TCS has over 500,000 of the world's best-trained consultants in 46 countries

WHAT WE OFFER

TCS IUX is purpose built for the Energy & Resources Industry, enabling organizations to build their cognitive operations. IUX offers pre-built cognitive solutions around Intelligent Pipeline, Command Center, Intelligent Energy and Intelligent Transport, which help Energy & Resources companies with faster deployment, time-to-value, and reduced TCO

IUX **Command Center** is an enterprise Incident management platform which automates the response to events and helps in inter departmental coordination for responding to events in the optimal manner. It has ready integration with city GIS , Video management systems and standard interfaces for ingesting alert information. It uses Microsoft infrastructure services for hosting the solution

IUX offers other use cases as well, for **Pipeline** – identifying leakages, for **Energy** –energy optimization , **Transport** – optimizing the logistic network to reduce the carbon footprint. All these solutions complement the existing OT system through insights which are generated based on enterprise data

IUX leverages Azure as an Infrastructure. The deployment uses Azure VMs , BLOB storage , Load balancer and database from the Azure services. The implementation uses best practices for ensuring scalability(number of concurrent number of transactions/minute) , security(multi factor authentication, browser cache management, session management) , Reliability (RTO, high availability).
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WHAT OUR CUSTOMERS ARE SAYING

"The results of the TCS's IUX proof of concept were very successful. We optimized the transportation network to realize savings and increase rider satisfaction. We are looking to duplicate the effort to improve additional city services such as water, waste collection and electricity."

– Yannick Monnier , Regional Transportation Director, City of Belfort, France

LEARN MORE

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TATA CONSULTANCY SERVICES

Microsoft Azure

Microsoft Azure is an ever-expanding set of cloud computing services to help your organization meet its business challenges. With Azure, your business or organization has the freedom to build, manage, and deploy applications on a massive, global network using your preferred tools and frameworks.

WHY AZURE

BE FUTURE-READY

Continuous innovation from Microsoft supports your development today, and your product visions for tomorrow. With 1000+ new capabilities in the past year, you can build on the latest advancements in AI, blockchain, Kubernetes, containers, and databases to keep you ahead of the curve.

Our enterprise grade analytics solution outperforms the competition, costs less, and is fully compatible with your existing development, BI, and data science tools.

BUILD ON YOUR TERMS

You have choices. With a commitment to open source and support for all languages and frameworks, build and deploy how you want to. Take advantage of the full-featured, integrated development environments with built-in support Visual Studio and Visual Studio Code, the most popular IDEs trusted by 15M+ developers.

We embrace open source, drive innovation through collaboration, and contribute back to the community.

OPERATE HYBRID SEAMLESSLY

On-premises, in the cloud, and at the edge—we'll meet you where you are. Integrate and manage your environments with tools and services designed for hybrid cloud.

Enhance security, simplify access, and set smart policies across your different environments with a single identity platform trusted by 90% of enterprises globally.

TRUST YOUR CLOUD

Get security from the ground up, backed by a team of experts, and proactive compliance trusted by enterprises, governments, and startups.

With a $1B+ investment in security R&D and 3,500 cyber security experts, security is foundational for Azure.

Learn more: www.microsoftazure.com

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