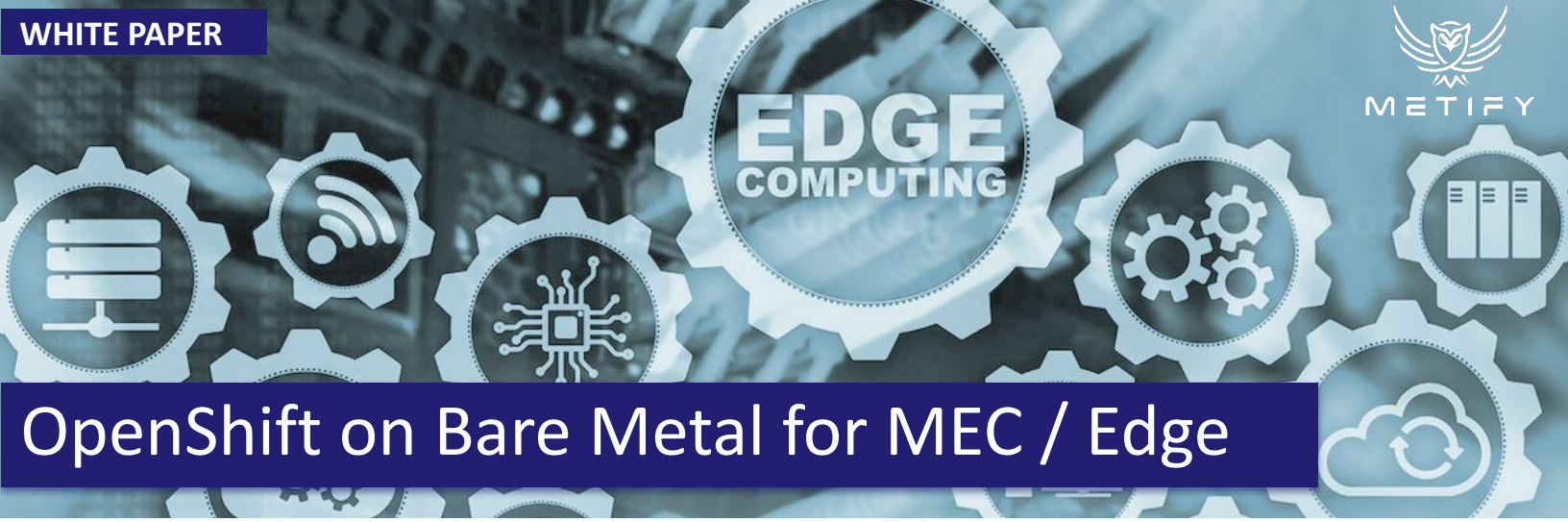
WHITE PAPER



METIFY

OpenShift on Bare Metal for MEC / Edge

Hybrid cloud deployments dominated the Enterprise IT landscape both domestically and globally in 2020. The contributing factors for the growth of hybrid clouds are many including: multi-access edge compute **(MEC)**, costs associated with public cloud migrations and operations, regulatory and compliance requirements, and **application specific demands for bare metal access (ai, edge, low-latency, 5g, etc.).** This whitepaper will cover a new way for enterprises to build and operate bare metal environments with stunningly simplicity. It will also review a production deployment of OpenShift on bare metal servers provisioned by Mojo Platform.

Bare Metal Fuels Hybrid Growth

One of the big reasons for hybrid cloud growth is the infrastructure build-out associated with Multi-Access Edge Compute (MEC). MEC deployments are positioned as close to the end-customer as possible to enable new services or enhance existing offerings. The applications running the services for ever-connected social networks, smart cities, autonomous vehicles, VR & home entertainment, etc. are there to elevate end-user experiences. They require high performance CPUs, GPUs, and low latency comm's to deliver those experiences reliably. Bare metal provides significant advantages for hosting those applications including: Direct access to hardware, predictable and consistent performance, and CPU offloading to GPUs, to name a few.

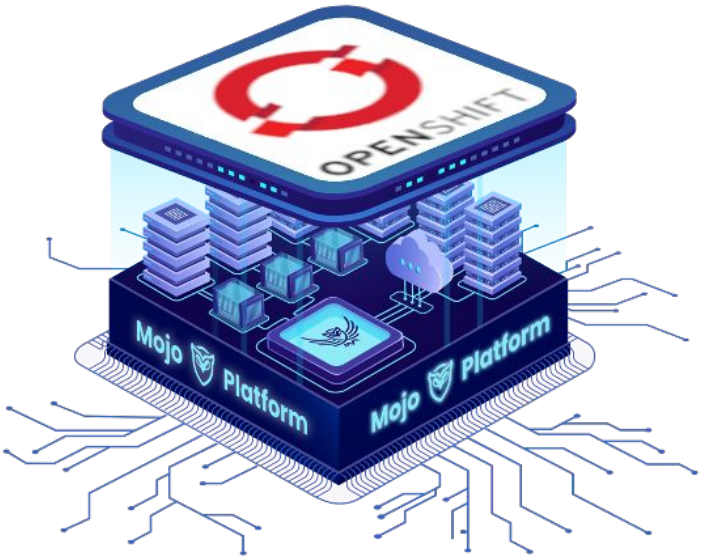
Obstacles to Consider

Despite these advantages, there are also major hurdles that bare metal adopters currently face. A lack of standardized API's can lead to deploying proprietary tools that lock in customers to a single hardware vendor. Additionally, the complexity of developing and deploying dedicated images onto bare metal servers at scale, and maintaining them, is error-prone, and expensive.

Introducing Mojo Platform

Metify Mojo Platform is the world's first fully REST enabled Bare Metal as a Service (BMaaS) Platform based on the DMTF's Redfish Specification. The Redfish API has achieved near ubiquitous hardware acceptance across a broad range of devices from IoT sensors to servers and storage. Mojo Platform takes full advantage of the Redfish specification and delivers many first-in-class BMaaS features with a UX that is focused on **SIMPLICITY.**

Enterprise ready features such as discovery, configuration, provisioning, maintenance, and cataloging bare metal assets are included with Mojo Platform. RBAC, monitoring , and alerts are also included as standard features via Mojo's intuitive console. The engineering team at Metify created Mojo Platform with the singular goal of making bare metal easier to work with. When paired with OpenShift, the time savings and capabilities are truly game changing for DevOps teams..



TO LEARN MORE CONTACT: info@metify.io OR VISIT http://www.metify.io

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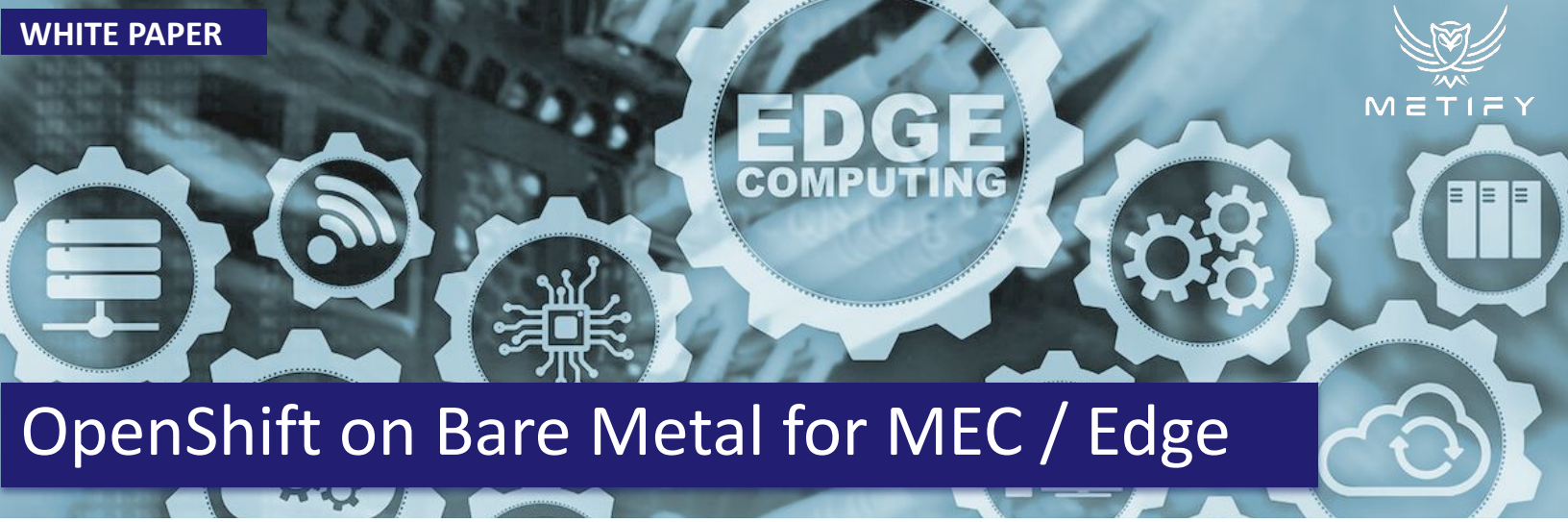

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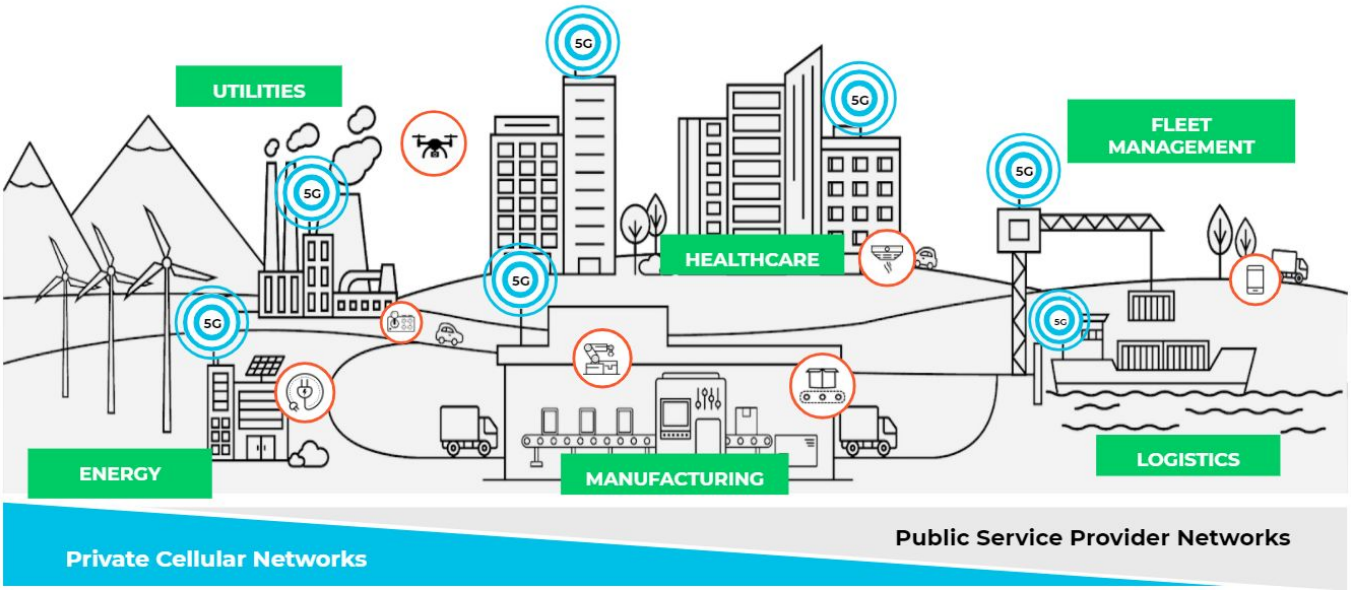
Use Case

With OpenShift on Bare Metal at the Edge, enterprises can deliver GPU, compute, and bandwidth intensive services to a mobilized user base. For example, OpenShift on Bare Metal Clusters could deliver AI, VR, or AR dependent services such as: immersive gaming, night vision, 3D mapping overlays, and persistent location awareness of fellow workers or fleet vehicles. Combining OpenShift on bare metal for MEC deployments enables a NextGen set of services to an always connected user base.

Key Benefits

- OpenShift Cluster - Bare Metal Speed
- Mojo Platform - Bare Metal Provisioning Simplified
- Bring Your Own Server (BYOS)
- Ease of deployment and speed that mirrors a public cloud experience
- Templates optimized for GPU Compute
- Edge ready architecture
- Bare Metal Service Catalog - Easily repeatable deployment experience
- Massive time savings
- Immutable Deployments with Ansible / YAML.



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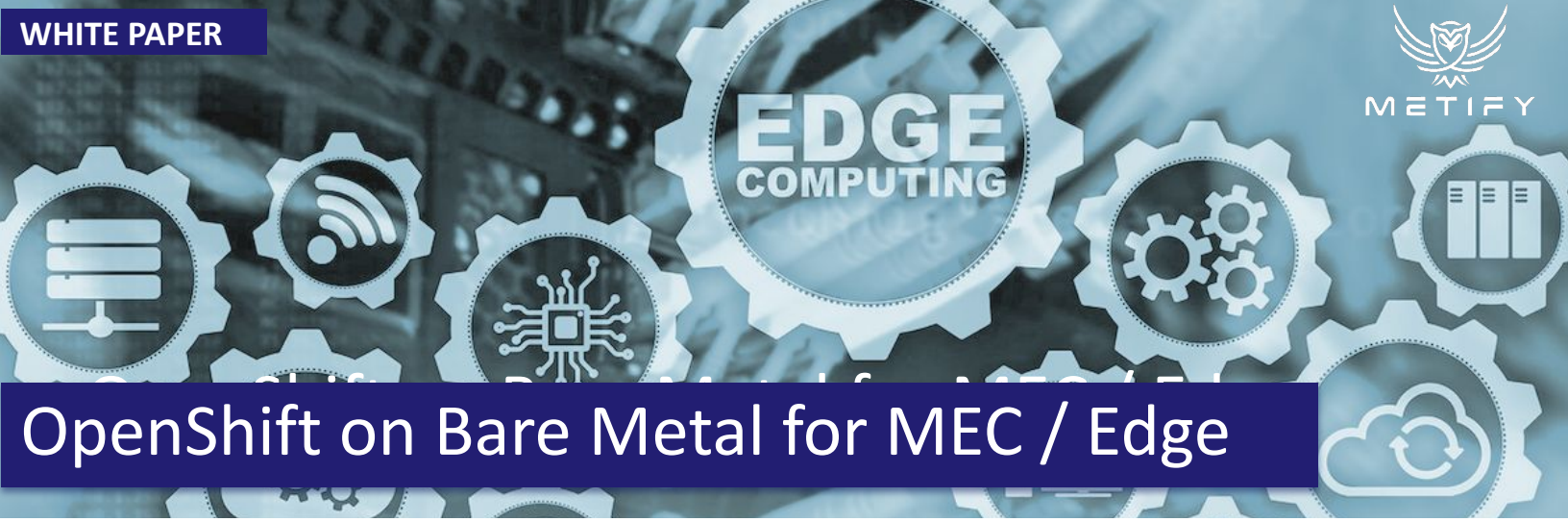

OpenShift on Bare Metal for MEC / Edge

About Metify

Metify was founded with the singular goal of making bare metal servers easier to work with. Mojo Platform is the revolutionary Bare Metal as a Service (BMaaS) tool we developed to accomplish that and more. We have helped customers of all sizes realize their bare metal goals and are partnered with the top IHVs and ISVs to deliver a certified and sustainable solution for your infrastructure. White glove consulting is included to insure the successful integration of Compute, Storage, and Networking.

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About Red Hat

We're the world's leading provider of enterprise open source solutions, using a community-powered approach to deliver high-performing Linux, cloud, container, and Kubernetes technologies. We help you standardize across environments, develop cloud-native applications, and integrate, automate, secure, and manage complex environments with award-winning support, training, and consulting services.

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