

Modern IT Demands Hybrid IT *Deliver Any Application on Any Footprint at Any Time*

Through 2020, Federal agencies had to scale infrastructure and technology to meet telework demands overnight. Many agencies entered a hybrid workforce – with employees resuming mission-critical responsibilities from both the office and at home. Essential services, such as unemployment insurance, healthcare IT, and relief efforts, all needed to continue with many teams working overtime to meet increased demand.

These changes have required agencies to reevaluate their technology – decreasing reliance on physical data centers and increasing use of public and private cloud to support continuity of operations remotely. While seventy-seven percent of public sector IT decision makers say that a hybrid IT model is the most effective approach for public sector organizations,¹ agencies need the right support to perfect this approach.

Agencies need a cloud-ready IT infrastructure to transition between on-premises or public or private clouds and ensure employees have flexible, efficient, secure, and on-demand access to applications and data, whenever and wherever needed to advance Federal missions.

Agility and Scalability for Public Sector Success

In a hybrid world, Federal IT teams need the ability to move workloads seamlessly, develop and manage applications that run anywhere, leverage emerging technologies, and ensure security across environments. However, tying together the right hardware architectures, microchip components, and container platforms to effectively achieve this can be challenging and costly.

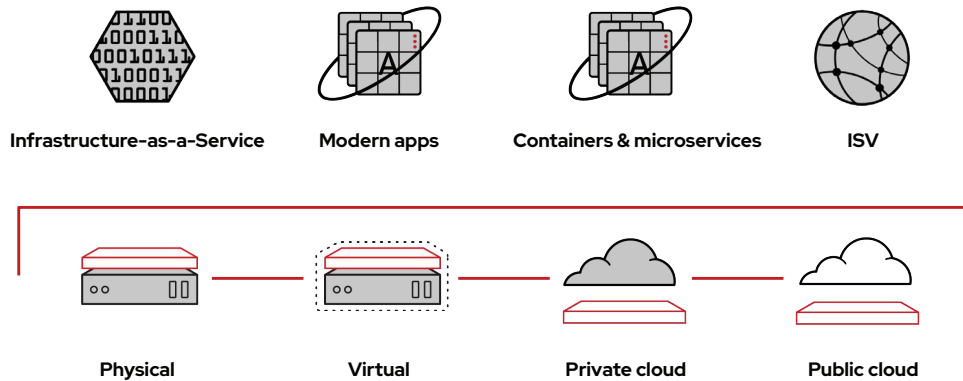
Consider that every technology within the infrastructure must work well together and provide the flexibility to scale up when users need more, pull back when circumstances demand it, or hold steady until conditions change.

With Red Hat's open technology solution ecosystem, offering a solid foundation for flexibility from the edge to the cloud, teams can leverage existing tools to address key challenges and support Federal operations with ease. Red Hat Enterprise Linux (RHEL) is an open source based operating system (OS) for the enterprise hybrid cloud that allows IT leaders to deliver any application on any footprint at any time. IT leaders can scale existing applications and roll out emerging technologies across bare-metal, virtual, container, and a variety of cloud environments.

¹ <https://www.meritalk.com/study/smart-lucky/>

The OS is the foundation

For modern IoT, containers, services & more



Engineered for the hybrid cloud, RHEL allows teams to migrate workloads across public, private, and on-premises environments, ultimately helping agencies lower maintenance and software costs with fewer servers that support equivalent workloads. Teams also have the flexibility to use their preferred hardware, software, and cloud vendors.

Eighty-four percent of Federal cybersecurity managers say that successful multi-cloud adoption will strengthen their overall cybersecurity posture.² RHEL minimizes an agency's attack surface by only deploying packages necessary for supporting workloads. The OS proactively detects system issues and vulnerabilities regarding security, availability, performance, and scalability.

As agencies continue to deploy emerging technologies and consider future investments and infrastructure needs – such as machine learning, predictive analytics, Internet of Things (IoT), edge computing, and big data workloads – they need to ensure their OS adapts along the way and lowers the barrier to adoption.

RHEL makes IT resiliency possible. The latest release provides the security, reliability, and performance demanded by modern edge workloads. Agencies can simplify deployment and operation, enable workload portability, and reduce IoT complexity by standardizing on a single OS across the datacenter, cloud, and gateways – giving leaders the tools they need wherever and whenever.

The Enterprise Linux Advantage

- Reduce IT infrastructure costs: Agencies need fewer servers to support equivalent workloads, resulting in lower maintenance and software costs
- Increase IT staff and user productivity: RHEL servers require less IT staff time to deploy, maintain, and manage equivalent workloads
- Mitigate risk: RHEL has a dedicated teams of experts finding flaws and deploying patches before vulnerabilities become problems, without interrupting applications
- Enable flexibility: Teams have the flexibility to use their preferred hardware, software, and cloud vendors

Learn more about Red Hat Enterprise Linux:

<https://www.redhat.com/en/technologies/linux-platforms/enterprise-linux>

See what's possible with DLT and Red Hat:

<https://www.dlt.com/government-products/red-hat>

² <https://www.meritalk.com/study/multi-cloud-defense/>