Why Move to the Cloud?

Cloud solutions implemented correctly can significantly reduce upfront costs, increase productivity and simplify the burden of IT management. To realize the full benefits of transitioning to the cloud, the solution must be architected with the business and mission in mind and often times leverages multiple cloud technologies into a seamless architecture. The most effective cloud solutions tend to be a mixture of public and private systems, a multi-cloud solution. The multi-cloud model takes your existing systems and processes into account while enabling your organization to take advantage of the latest in technology innovation. A multi-cloud solution also prevents vendor lock-in and provides your organization the flexibility to continually move workloads and data to the tier that is most efficient for the task.

From planning to implementation, Iron Bow’s team of experts partners with you to determine the service delivery model that best suits your organization. Whether you’re moving a majority of your operations to the cloud, migrating a single application or preparing for future cloud deployment, we have the technical and domain expertise to ensure a correct and secure transition.
The year that combined IT infrastructure spending on private and public cloud will eclipse spending on traditional data centers

Number of businesses pursuing a hybrid cloud strategy

The average reduction of total cost of ownership (TCO) among cloud adopters

The likelihood that companies will have a formal “no-cloud” policy in place come 2020

Number of businesses delaying cloud deployment due to a cyber security skills gap

Source: IDC, Gartner, CTP, Forbes
Iron Bow brings together the best technologies, practices and partners to ensure enterprise-wide cloud adoption is a success. We provide full life cycle support for cloud solutions helping clients:

- Move to cloud
- Innovate on cloud
- Run in the cloud
- Aggregate cloud services

We recognize every organization has unique needs and requirements, one cloud model does not fit all. As organizations look to avoid the pitfalls of hardware vendor lock-in with public cloud providers, our solutions build upon a hybrid-enabled private cloud model. Our model enables outreach to public clouds and interaction with private clouds for an enterprise-wide platform that can be centrally managed.

**Assessment**

Through our assessment process our team takes your current infrastructure investments and business processes into consideration to determine your best path to transitioning to the cloud.

1. **Pre-assessment & Data Collection** – Our experts gather the essential data to determine what resources are required for the engagement to provide you an accurate cost and project scope.

2. **Assessment** – Data is reviewed and thoroughly examined. Initial recommendations are made based on technical, security and business requirements.

3. **Recommendations** – The Iron Bow team meets with stakeholders and provides documentation that outlines the recommendations. We work with you and your team to define a roadmap to obtain the desired end state.
**MIGRATION SERVICES**

Once a technology approach is defined and agreed upon, our team ensures your transition to the cloud is smooth and secure. We support you from start to finish, including training to change the mindset from hardware-centric to a software-focused approach. Our best practices help us pinpoint how (and if) applications need to be refactored or modernized to work within a leading cloud solution.

**INNOVATION**

Once applications are moved into the cloud, you have the flexibility to scale on demand, making cloud a strategic enabler of your mission. Analytics, security, IoT, big data, cloud native applications and more help gain strategic insights and maximize performance, decision making capabilities and organizational agility.

**OPERATIONS**

As your team begins operating in the cloud, they will need to rethink traditional operations for continuous monitoring and improvement. Acting as a single point of contact for billing, maintenance and integration we can help you take advantage of software as-a-service in a way that works for your organization.

*Our Federal offerings meet applicable FedRAMP and Risk Management Framework (RMF) requirements.*
SUCCESSFUL OUTCOMES

IRON BOW IN ACTION

Enabling Shared Computing
Iron Bow was contracted to upgrade a Department of Defense client’s Non-Secure Internet Protocol Router Network (NIPRNet) storage and computing capabilities in a virtualized environment. The upgrade included installing additional servers to increase storage and processing capacity of the Shared Computing Environment (SCE), implementing a Flash Memory Pool and migrating to full fiber optic cabling to increase Input/Output Operations per Second (IOPS) on the East-West connections. The improved software-defined data center technologies implemented by the Iron Bow team enabled the client to meet its SCE mission and the deployment of private cloud Infrastructure as-a-Service (IaaS) for the enterprise.

Paving the Way to Private Cloud
As part of a larger data center project, Iron Bow helped a Department of Defense facility create Active-Active mirrored data centers with load balancing between the two sites. The team installed EMC VPLEX virtualizing storage to make data mobile, enabling continuous availability and relocation across multiple data centers, effectively creating a private cloud, and scale on-demand. The project was viewed as a huge success with the DoD client team receiving branch-wide recognition. The facility continues to host multiple groups from the agency to showcase how the architecture works.

Moving from CapEx to OpEx
A national security consulting firm was experiencing rapid growth that couldn’t be sustained by traditional IT procurement. The firm’s strategies were evolving and driving a shift in IT expenditures from a CapEx to an OpEx model. To meet the client’s need, Iron Bow leveraged an as-a-service offering around end user devices, unified communications, wireless and compute environments. The team executed a technology refresh, constructed a cloud-based wireless infrastructure and provide managed services for the hardware, security and support for all end user devices. This approach enables the client to scale up quickly and securely without the need for additional capital expense.
KEY PARTNERSHIPS

- AWS
- Cisco Partner
- DELL EMC
- Hewlett Packard Enterprise
- IBM Cloud
- Microsoft Azure
- Pivotal
- Virtustream
- VMware
STRONG.

Our team of technical and business experts help design the right cloud technologies and applications to meet your mission, budget and end user needs.

FLEXIBLE.

With consumption pricing and a variety of service level options, we work with you to provide the support you need.

TARGETED.

We are laser-focused on ensuring technology is meeting and exceeding your requirements as well as supporting your unique mission and goals.