

Adoption and Implementation Services for IaaS Private Clouds

Private Cloud Benefits

- *Rapid, self-service deployment of IT workloads; provision complex infrastructure in minutes, not months*
- *Control over every aspect of implementation: security, hardware, operating system and APIs*
- *Leverages your existing hardware and network infrastructure*
- *Increases agility and speed-to-market so you can deploy new business applications faster*

What is a private cloud?

A private cloud is a cloud computing infrastructure running within a company's own datacenter network, behind the company firewall, as opposed to a public cloud in which a service provider makes shared datacenter resources available to the general public over the Internet.

What is IaaS?

Infrastructure as a Service (IaaS) is an on-demand computing model used to support IT operations. In an IaaS environment, compute, storage and networking components can be provisioned, configured and monitored via standardized API calls. This allows the infrastructure stack to solve complex problems related to scalability, availability, security and other quality related concerns in a cost-effective manner.

Transform Your IT Infrastructure to Deliver Fast, Easy Access to Resources

Implementation of private clouds has become a priority for many large enterprise companies that want to improve IT efficiency and agility while maintaining security. With a private cloud, you get many of the benefits of public cloud computing—including self-service, scalability, elasticity and metering—but with the security, control and customization available from your own dedicated resources. Private clouds enable you to leverage and manage your existing IT infrastructure in the most efficient way possible, and deliver resources to the business much more quickly.

Deploying Infrastructure as a Service (IaaS) is an ideal place for many enterprises to start their private cloud efforts. IaaS provides generic computing, storage and network capacity on which you can build and deploy most any kind of application. It can be used for new applications or with many existing applications that can be ported to run on it.

MomentumSI can help you quickly transform your IT infrastructure into a private cloud that delivers IaaS to your business. We are experts in enterprise cloud transition. We have worked on some of the world's largest enterprise cloud adoption programs across industries. No matter how complex your IT organization is, we can assist you with planning, designing and building out your cloud infrastructure. The following sections provide an overview of MomentumSI's Cloud Adoption and Implementation Services.

Needs Assessment Services

During the assessment phase, our expert consultants work on-site with your team to analyze your existing environment and collect business requirements, followed by technical requirements. We take into account your needs for security, regulatory compliance, SLAs and governance. Our staff analyzes and prioritizes your workloads to help determine the highest value change opportunities – i.e. those that will provide the most business value when migrated to the cloud – along with the level of effort it will take to migrate them so decisions can be made on where to begin the migration. We then identify gaps between your infrastructure framework today and the target cloud IaaS delivery model (as-is and to-be models). MomentumSI also notes any IT processes and service management principles that might need to be changed or implemented to support the new IaaS cloud environment.

The result of this phase is a Cloud Requirements document and a business case for your enterprise cloud adoption.

Design Services

Once we have discovered the business drivers and technical requirements for your private cloud, we create an IaaS Roadmap that consists of a customized architecture and implementation plan to fulfill the requirements, infrastructure and process-change needs. The IaaS Roadmap outlines the tools, technologies and logical capabilities required for implementation, such as:

- Network topology and infrastructure, including internal and external connectivity, routers, firewalls, gateways, and other components
- Storage controllers topology
- Hypervisor selection and relevant clustering
- Private cloud infrastructure software
- Self-service provisioning portal
- Private cloud monitoring and health report
- Accounting and departmental charge-backs
- Risk mitigation of performance and availability issues
- Data center software and physical access constraints
- Initial security models, including authorization and authentication, key management, in-motion and at-rest data, availability and security zones, etc.

In addition to setting up your private cloud and establishing your IaaS environment, MomentumSI can help you rapidly transition and optimize specific business and IT resources to take advantage of the cloud. These services include:

- Migrating applications to the cloud
- Setting up test and dev environments in the cloud
- Moving from virtualization to private cloud
- Leveraging the cloud for disaster recovery scenarios

For more information about our Cloud Adoption and Implementation services, call 512-236-1517 (U.S.) or 888-886-8560 (Toll Free). Or email sales@MomentumSI.com.

Implementation Services

After your Cloud Roadmap is in place, our team will conduct an initial deployment and provide you with documentation for your private cloud. Our implementation services include the following:

- Early stage user-acceptance testing and establishment of realistic expectations for obtaining future user acceptance
- Reduction of project risk by identifying issues in early stages of the cloud transformation
- A means to verify, validate and present the ROI to senior management, such as for further scale-out approval
- The ability to build and use client-specific, quality metrics for projecting scale-out and future use requirements
- Gathering a clear understanding of overall project scope, cost and “time to production”

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About MomentumSI

MomentumSI is a leading boutique IT consultancy focused on enterprise transformation. We are known for helping large enterprises quickly and cost-efficiently adopt innovative, agile practices to align business needs with IT processes. We specialize in helping companies incorporate disruptive technologies, including Cloud Computing, DevOps, BPM and SOA.

