

We love building mission critical solutions



Cloud and Analytics Services

DUNS Number: 095512344
CAGE Number: 71YV3

CERTIFICATIONS:

- SBA – 8(a)
- GSA – Schedule 70 (GS35F485CA)
- DBE – GDOT
- MBE – GMSDC
- CIO – SP3 (Teaming Partner)

KEY PERSONNEL:

- Srinivas Surapaneni - President & CEO
- Ranjan Dattagupta - EVP
- Viplav Valluri - VP, Business Development

ADVISORY BOARD:

- Brig. Gen. David Uhrich (Retd.) - Chairman
- Indra Dattagupta – Vice Chairperson
- Lisa Cairns – Board Member
- Srinivas Surapaneni

NAICS CODES:

- 518210 Data Processing & Hosting
- 519190 Other Information Svc
- 541511 Computer Programming
- 541512 Computer System Design
- 541513 Computer Facilities Mgmt.
- 541519 Computer Related Svc
- 541611 Mgmt. Consulting Svc
- 541612 Human Resource Consulting
- 541614 Logistics Consulting Svc
- 541618 Other Management Svc
- 561110 Office Administrative Svc
- 561210 Facilities Support Svc
- 561320 Temporary Staffing Svc
- 611420 Computer Training

PSC CODES:

- D3 IT & Telecommunications
- R4 Prof/Administrative/Management

24X7SYSTEMS, Inc.

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Our services

- Definition and Implementation of Cloud Strategy for clients
- Implementation Services for Public Cloud (Amazon Web Services, Microsoft Azure)
- Implementation Services for private clouds (Open Stack and VMWare)
- Implementation Services for mixed environment with both private cloud and public clouds
- Amazon GovCloud and AWS FedRAMP implementations for Federal Government; AWS cloud services – pay-as-you-go delivery model
- Design and Implement Security Strategy for clients using VPC (Virtual Private Cloud), VPN, Encryption for Data Storage, Encryption at the Wire Level, and Encryption for backups
- Design and Implement Cloud Solution with Elasticity which can scale based on the load
- Design DR and HA strategy with deployments in multiple available zones for 100% availability
- Design and Implement Big Data solutions in Cloud using Hadoop, Apache Spark, Spark Streaming, Elastic Cache and Columnar Databases which can handle Peta-byte level data
- Integrate On-Premise Directory Services with Cloud

Cloud Solutions Expertise

- Compute
- Storage
- Security
- Networking
- Data Lakes
- Databases
- Internet of Things
- Media Services
- Content Delivery Network
- Application Services
- Analytics
- Storage and Content Delivery
- High Availability Services
- Deployment and Management

Mission Critical Specializations

Big Data
Smart Data
Performance

Fast Data
Security
TCO Optimization

Partnerships



Security Compliance Programs

- FedRAMP
- CDSA
- PCI
- ISO 9001
- ISO 27001
- ISO 27017
- ISO 27018
- FISC
- HIPAA
- DoD CSM
- FERPA
- CJIS
- DISA Level 2
- IRS 1075
- NIST
- FDA
- FIPS
- ITAR
- DIACAP
- Data Privacy
- Section 508 VPATs

Key Differentiators

- Proven track record of delivering mission critical applications for the past 15 years and 24X7SYSTEMS can apply the same principles to the cloud based applications
- Excellent track record in delivering solutions on Amazon AWS and Microsoft Azure at Department of Homeland Security

Security

- Concrete knowledge to advise strategies for securing the cloud
- Ability to quickly integrate applications and environment with SIEM (Security Information and Event Management) applications and on-premises corporate directories
- Hardware based Security Module for managing Security Keys for Security at Rest and Database Encryption

Storage

- Our experience in storage benchmarking helps the client to advise on proper storage options based on application type, SLA requirements and correct IOPS
- Prepare Backup and Recovery Strategy
- Implement security for Backup Images
- Hardware based Security Module for managing Security Keys for Security at Rest and Database Encryption

High Availability and Disaster Recovery

- Advise and implement High Availability and DR strategy using multiple Available Zones, Auto Scaling and automating the environment creation
- DR is one of the cost saving feature in the cloud. 24X7SYSTEMS can provision disaster recovery on need-basis

Migration Strategies

- Advise and guide throughout the lifecycle of migrating applications form on premise of cloud
- Automate the environment creation for different stages of development process
- Counsel on best practices for continuous integration and delivery for development and delivery teams
- Devise optimal strategy for performance and security in mixed environments where both cloud and on-premises implementation is required

Big Data and Data Warehousing

- Advise clients sift through the Big Data landscape and devise solutions with Apache Hadoop, Apache Spark, Apache Kafka, R, NLP
- Maintain minimal number of instances during normal (off-peak) times with real cost savings
- Implement Data warehouse based on Columnar and MPP (Massively Parallel Processing) databases
- Federal agencies are still using relational databases with row level processing for Data warehousing which are not efficient and expensive to build the infrastructure. (Example: Amazon offers AWS Redshift which is a columnar and MPP database with cost starting from \$1000 dollars per year for 1 TB of storage)

Typical Use Cases

Business Analytics in the cloud

Building a traditional data warehouse involves expensive hardware and storage and millions of dollars. Cost can be reduced using AWS Redshift which is a columnar database for efficient storage and built in parallel processing and can be scaled to hundreds of nodes.

Big Data Processing in the cloud

AWS EMR (Hadoop) can be setup in minutes to process unlimited amounts of data. Hadoop clusters can be scaled up and scaled down based on the need and pay by the hour for the machines used instead of investing in hardware.

Event Processing and IOT (Internet of Things in the cloud)

To handle and capture events generated from mobile and other devices, scalable architecture is needed which can handle millions of events. Event processing can be done with Amazon Kinesis which will scale up and down based on the load and you pay only for the time used.

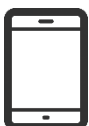
Java/.NET Applications in the cloud

Any custom application can be deployed in the cloud with Auto Scaling feature with Elastic Load Balancing.

DR and HA in cloud

Unlike in traditional data centers where you have to invest in hardware for DR and HA, 24X7SYSTEMS can define templates for the setup of DR/HA solution in the cloud with pay-as-you-go pricing.

Ask for a Proof of Concept (PoC) today



Call Us

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