DATAMATICS

JUMPSTART YOUR CLOUD JOURNEY WITH DISTRIBUTED CLOUD AT THE EDGE & CLOUD MANAGED SERVICES

As Cloud computing power becomes a must-have, enterprises are experimenting with different cloud models – on-premise, public, and hybrid. However, data protection norms deter them from wholeheartedly embracing Cloud computing. Having to live with IT investments that are purchased a couple of years back with a change in scope due to socioeconomic turbulences in the market, new emerging business requirements at the drop of a hat, lack of expertise in managing Cloud operations, etc., are some other deterrents to the Cloud journey. As enterprises seem to get stuck into policy paralysis over Cloud adoption, Cloud Managed Services in Distributed Cloud at the Edge (a form of Hybrid Cloud) is fast assuming business prominence.

PROBLEM STATEMENT

Immediate need for hyper computing power runs into policy paralysis due to supposed Cloud deterrents and data residency requirements.

SOLUTION

Cloud Managed Services in Distributed Cloud at the Edge makes use of existing infrastructure at the premise where the process is executed or data is generated and boosts the computing power with augmented Public Cloud. This form of **Hybrid Cloud** ensemble allows the enterprise to make use of not just both but all the worlds – the infrastructure at the edge, central on-premise infrastructure, and Public Cloud. Executing this ensemble as Managed Service allows the enterprise to tide over hindrances, such as lack of Cloud expertise to manage and run it.

As enterprises look at technology for resolving issues especially in regulated industries where data privacy is important, Distributed Cloud at the Edge is an emerging solution for addressing business critical events. Adapting to change in ever evolving business environments becomes claustrophobic to enterprises leading to policy paralysis and eventually losing relevance in the fast adapting markets and evolving industry standards. Distributed Cloud at the Edge in Managed Services mode allows enterprises to take the emerging business requirements in their ambit, jumpstart their Cloud journey, and go to market equally faster without compromising on data privacy.

HOW IS DISTRIBUTED CLOUD AT THE EDGE DIFFERENT FROM HYBRID CLOUD?

Even though **Hybrid Cloud** exponentially improves a single cloud approach with Application Containerization and makes the applications environment agnostic, data residency regulations cause bottle necks in Cloud adoption.

The Distributed Cloud at the Edge makes use of the on-premise data centers and containerized applications at the edge where the data is generated or the process is executed, and uses Public Cloud only to step up the Cloud Computing resources and avail other Cloud environment benefits.

Sectors, such as Pharmaceuticals, Healthcare and Medical care, Military and Defense, Financial Services, etc., where data residency and data privacy policies are stringent stands to benefit from the Distributed Cloud at the Edge paradigm.

Executing this Cloud model in Managed Services mode, which is mandated by non-disclosure agreements or NDAs and has its skin in the game, allows the enterprise to jumpstart their Cloud journey by overcoming policy paralysis issues.

The paradigm introduces business benefits, such as network latency resolution, artificial intelligence layers for analytics at the edge, Kubernetes orchestration platform at the edge for managing the entire Cloud as one entity, enhanced data security, etc., at the place where the process executes or data resides.

# Benefits of Distributed Cloud at the Edge

1   Enhanced portability of workloads

2   Reduced operational costs

3   Geography-specific configuration management and encryption

4   Compliance with local laws and global standards

5   Secure and compliant data exchanges across the distributed locations

6   Controlled data movement with stringent policy, compliance, and access controls

Distributed Cloud at the Edge Use cases

1   Video analytics at manufacturing sites

2   Secure data exchanges in Healthcare environments and Clinical procedures

3   High data protection environments, such as Defence Services and Financial Services

IN CONCLUSION

Distributed Cloud at the Edge executed in Managed Services mode allows enterprises to jumpstart their Cloud journey while adhering to data privacy and data localization policies. It expedites Cloud adoption in sectors that aspire to achieve the next level while still abiding with data residency and data privacy policies.
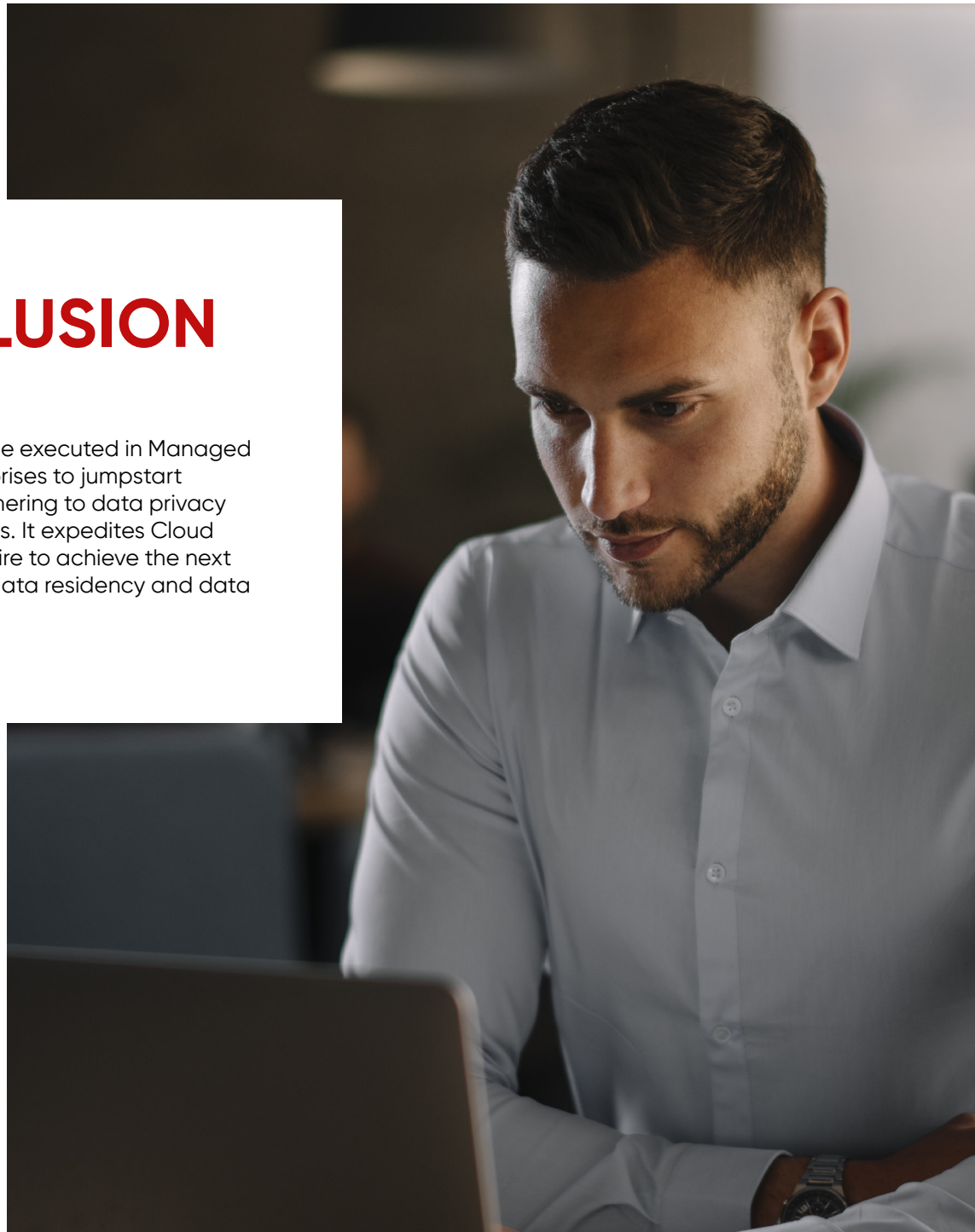
ABOUT
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Sachin Rane is the EVP & Head- Software Solutions. During his 30+ year of professional experience, he has worked with client organizations across North America, Europe, APAC, Middle East & India to consult/participate/review their strategic IT as well as Digital initiatives.

His core technical expertise is in the enterprise Data Management domain.

He has a sound understanding of Six Sigma and SEI CMM frameworks, and has successfully delivered large Systems Integration programs that include ITIL based Infrastructure Service delivery. Sachin has managed large teams comprising of diverse nationalities.

He is a Certified Scrum Master and certified Automation Anywhere Robotic Process Automation professional. Sachin also holds several certifications in the areas of Infrastructure Management. He has also attended a program on the "Client Engagement" at Wharton Business School, University of Pennsylvania, USA.

Prior to joining Datamatics, he has worked with Wipro for 21+ years in several leadership positions.

ABOUT
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Datamatics enables enterprises to go Deep in Digital to boost their productivity, customer experience, and competitive advantage. Datamatics' portfolio spans across three pillars of Digital Technologies, Digital Operations, and Digital Experiences.

It has established products in Intelligent Document Processing, Robotic Process Automation, AI/ML models, Smart Workflows, Business Intelligence, and Automatic Fare Collection.

Datamatics caters to a diverse global clientele across Banking, Financial Services, Insurance, Healthcare, Manufacturing, International Organizations, and Media & Publishing.

The Company has a presence across four continents with significant delivery centers in the USA, India, and the Philippines. To learn more about Datamatics, visit www.datamatics.com

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