



AZURE CLOUD FOUNDATIONS WORKSHOP FOR HEALTHCARE AND LIFE SCIENCES

For enterprises embracing the cloud, agility has been a key driver behind increased adoption. But for hospitals, pharmaceuticals and related organizations in healthcare and life sciences, adopting the cloud presents unique challenges. Issues like HIPAA, HITECH, and GxP compliance and the need to secure Protected Health Information (PHI) to ensure privacy can significantly slow the pace of digital transformation.

Built from the outset with security, compliance, and privacy as core service pillars Azure is perhaps the best cloud to build modern healthcare and data science solutions on. And if your enterprise offers government services that must meet even greater compliance requirements, Microsoft also offers its sovereign Azure Government cloud. Azure can deliver the agility needed to meet the increased demands of today's healthcare providers with the governance required to ensure full regulatory compliance.

In just half a day, **BrainScale** experts will show you how Azure can deliver the agility your healthcare or life sciences enterprise needs to remain competitive while ensuring full compliance with industry standards and government regulations. With years of experience creating complex governance solutions for some of the largest Azure consumers operating in the most challenging business and regulatory environments, our knowledge and insight can show you how to deliver the same benefits to your own organization.





FOUNDATION WORKSHOP

1 INTRODUCTION TO **AZURE**

Learn about the portfolio of IaaS and PaaS services available to develop and deliver healthcare, data and life science solution in Azure. We will discuss networking fundamentals, security, storage, encryption features, availability and data protection from the perspective of building compliant solutions.

2 THE NEED FOR **GOVERNANCE**

With the evolution of cloud as the backdrop for enhanced Governance solutions the importance managing access, controlling resource creation and utilization, ownership of resources, cost management and containment are discussed. Learn why governance is essential as an enabler of digital transformation at the speed of business rather than impeding cloud adoption.

3 EXPLORING **COMPLIANCE FRAMEWORKS**

Review Microsoft Azure Compliance offerings for the healthcare and life sciences industries including GxP, FDA 21 CFR Part 11, HIPAA, and HITECH as the basis for developing compliant solutions in Azure

4 **COMPLIANCE AND SECURITY METHODOLOGY**


Understanding the Shared Responsibility management model as applied to cloud service models and areas of control. Application of data governance practices. Protecting and controlling key information assets through information classification.

5 **AZURE SECURITY AND COMPLIANCE BLUEPRINT**

Explore the implementation guidance for protecting HIPAA Health Data and Artificial Intelligence. This includes deployment considerations specific to HIPAA related to Network Security, Access Control and Authentication, Database Security and Data Storage, Auditing and Monitoring, Vulnerability Management, Endpoint Protection and more. Learn how use of this Blueprint provides a flexible architecture to deploy private analytics solutions adaptable to a wide array of use cases

6 CASE STUDY: **HIPAA COMPLIANT DATA SCIENCE PIPELINE**

Understand how these architectural principles and guidance are applied by reviewing an actual HIPAA compliant data analytics solution being developed for a large metropolitan area teaching hospital. Through whiteboarding and architectural design review, this segment will highlight application of the various Azure services, technologies, and control principles to deliver a compliant solution in the real world to better serve doctors and patients.





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Gold Cloud Platform
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A cityscape background with a purple overlay. The Empire State Building is prominent in the center. A large, semi-transparent diamond shape is overlaid on the left side of the image.

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