**Azure Data Storage Services**

Bootcamp Statement of Work and Outline

**Instructions:** To ensure that all parties are able to access the file, save the local copy in your designated production folder and include the name of the proposed event in the title (ie., Bootcamp Proposal Template\_Topic/Event Title). See submission instructions at the end of the document.

Note, the **Production Details and Marketing Copy sections are due at least four weeks prior to the scheduled event date.** Please contact your area’s Program or Product Manager if you have any questions about the planned content for the event. For questions regarding this template or the referenced resources, contact Natasha Emmanuel via slack or email at nemmanuel@ine.com.

**Instructor Name**

Date Submitted: [Date]

**PRODUCTION DETAILS**

**Total Number of Days:** 3

**Estimated Number of Hours per Day:** 2-3

**Audience Size Limitations:** [default: none]

**Relevant Certifications & Tags:** ICCE, ICME, Azure, Cloud storage, Cloud engineer,

Cloud data, Cloud database

**IMPLEMENTATION NEEDS & REQUIREMENTS**

**Required Technology:** Azure Access

**Required Software:** NA

**Lecture Functionality & Instructional Needs:** Standard

**Lab Functionality & Instructional Needs:** Standard

* Online access
  + Access to Azure playground

**MARKETING COPY**

# EVENT DESCRIPTION (ine.com)

In this bootcamp we will cover how to store and protect information in Azure. We will explore using Azure Storage Accounts for common file storage requirements, including the options for defining storage, how to provide high availability for objects in storage, how to protect objects in storage and how to use Storage accounts to provide common functions such as file shares and static websites. We will also cover provisioning and managing relational databases with Azure SQL Databases and Azure Databases for MySQL and PostgresQL. Finally, we will cover non-relational data storage using Cosmos DB, Data Lake storage, Azure Synapse, and Azure Cache for Redis.

# EVENT DESCRIPTION (my.ine.com)

In this bootcamp we will cover how to store and protect information in Azure.You will learn how to design, provision and manage Storage Accounts. You will learn options for defining storage, how to provide high availability for objects in storage, how to protect objects in storage and how to use Storage accounts to provide common functions such as file shares and static websites. You will also learn how to implement relational data in Azure. You will learn about the cost and feature options for Azure SQL Databases, how to protect SQL databases, and how to provide high availability for SQL databases. You will also learn about the platform options for hosting MySQL and PostgresQL databases in Azure. Finally, you will learn non-relational data storage using Cosmos DB, Data Lake storage, Azure Synapse, and Azure Cache for Redis.

# Learning Objectives

At the end of this Bootcamp, students will be able to

* Provision the appropriate Storage Account for a specific scenario
* Provide high availability for objects in Storage Accounts
* Secure and protect objects in Storage Accounts
* Implement Storage Services
* Provision and Manage an Azure SQL Database
* Secure and Protect an Azure SQL Database
* Provision Azure Databases for MySQL and PostgresQL.
* Provision a Cosmos DB database
* Describe non-relational storage options in Azure

# Recommended Knowledge or Skills Prior to Taking this Course

* Azure Fundamentals

# ITINERARY

## Day 1 Azure Storage 12/7/22 11AM - 2PM

* Azure Storage Accounts
* Access Control
* Data Protection
* Lifecycle Management
* Static Websites
* File Service
* File Sync Service
* Storage Monitoring

## Day 2 Azure Relational Databases 12/8/22 11AM - 2PM

* Azure SQL Databases
* Pricing and Feature Options
* Availability Options
* Backup and Restore
* Access Control
* Azure Database for MySQL
* Azure Database for PostgreSQL

## Day 3 Azure Non-Relational Database Options12/9/22 11AM - 2PM

* Azure Cosmos DB
* Cosmos DB High Availability
* Azure Data Lake version 2
* Azure Synapse
* Azure Cache for Redis
* Wrap up (#hrs)
* Break (#hrs)
* [Evaluation](https://docs.google.com/forms/d/e/1FAIpQLScvJsT-dSQd5_HPUlcaMk43V2ytvI3JUBTAPzS8xZ-RyQfjvA/viewform) (10 mins)

<https://docs.google.com/forms/d/e/1FAIpQLScvJsT-dSQd5_HPUlcaMk43V2ytvI3JUBTAPzS8xZ-RyQfjvA/viewform>

*\*\* Remember to ask your students to complete their evaluation during the Bootcamp session, preferably before the last Q&A session, to improve your chances of capturing student responses. We want to hear how awesome you were! Don’t skip this step!*

* Q&A
* Closing Remarks & Recommendations

*Now that your Bootcamp attendees are now devoted fans of your amazing work, tell them about all the other courses and upcoming events that would be great for them to engage in next. Feed your fans, build loyalty, and keep them coming back for more.*

**CONTENT OUTLINE**

# TARGET AUDIENCE & USE CASES *(\*\*Reference only. Do not publish)*

# Who is this course designed for? What need does it meet in their business? How will they use it? How will it benefit them?

# 