■■ Microsoft

Azure Government Starter Pack: Websites/Apps

This document provides an overview of the Websites/Apps Starter Pack for GSA IT Schedule 70, powered by Microsoft Azure Government.

Designed to help government customers get up and running quickly with common cloud workloads, the Starter Packs include the essential services, support, and implementation guidance for such scenarios as datacenter migration, dev/test, and websites.

Azure Government is an exclusive instance of Microsoft Azure with world-class security and controls designed for highly sensitive data, enabling government customers to safely transfer mission-critical workloads to the cloud.

Azure Government has over 38 services included in our FedRAMP High compliance program and robust networking throughout the United States with 8 announced regions, including 2 DoD regions certified at Impact Level 5, all connected via private dark fiber. Each region is over 500 miles apart with data replication across regions for business continuity.

Table of contents

01 /

Summary

The Websites/Apps Starter Pack provides government customers with a set of Azure services and implementation guidance for common website and application development needs. The Websites/Apps Starter Pack includes one week of assistance from a Technical Architect to define the architecture needed to move one mutually agreed upon website. In this document, you'll also find sample solution architectures and implementation guidance to help you build out your solution.

This starter pack is representative of what you may need to develop your web/apps, for example Azure App Service and the other services listed below. We recommend using this starter pack to get the website or app project moving and then work with your Technical Architect to determine the specific services you will need for your workload.

02 /

Azure services may include

Azure App Service: Quickly build, deploy, and scale enterprise-grade web, mobile, and API apps running on any platform. Meet rigorous performance, scalability, security and compliance requirements while using a fully-managed platform to perform infrastructure maintenance.

Azure Redis Cache: Enjoy a fully managed version of the popular open-source Redis server with a turnkey caching solution. Harness the benefits without the need to become an expert in deploying and managing it. Redis Cache achieves superior throughput and latency performance by storing data in memory instead of on disk. It consistently serves read and write requests within single-digit milliseconds, delivering exceedingly fast cache operations to scale data tiers as application loads increase.

Azure SQL Database: SQL Database is the intelligent, fully managed relational cloud database service that provides the broadest SQL Server engine compatibility, so you can migrate your SQL Server databases without changing your apps. Accelerate app development and make maintenance easy and productive using the SQL tools you love to use. Take advantage of built-in intelligence that learns app patterns and adapts to maximize performance, reliability, and data protection.

Azure Cosmos DB: Cosmos DB was built from the ground up with global distribution and horizontal scale at its core. Azure Cosmos DB provides native support for NoSQL choices, offers multiple well-defined consistency models, guarantees single-digit-millisecond latencies at the 99th percentile, and guarantees high availability with multi-homing capabilities and low latencies anywhere in the world—all backed by industry-leading, comprehensive service level agreements (SLAs).

Azure Service Bus: Depend on Azure Service Bus when you need highly-reliable cloud messaging service between applications and services, even when one or more is offline.

Available in every Azure region, this fully-managed service eliminates the burdens of server management and licensing. Asynchronous operations give you flexible, brokered messaging between client and server, along with structured first-in, first-out (FIFO) messaging, and publish/subscribe capabilities—excellent for tasks like order processing.

Azure Functions: Easily build the apps you need using simple, serverless functions that scale to meet demand. Use the programming language of your choice, and don't worry about servers or infrastructure.

Azure Blob Storage: With exabytes of capacity and massive scalability, Blob Storage stores hundreds to billions of objects in hot, cool, or archive tiers, depending on how often data access is needed. Store any type of unstructured data—images, videos, audio, documents, and more—easily and cost-effectively.

Azure Notification Hub: Notification Hubs is a massively scalable mobile push notification engine for quickly sending millions of notifications to any platform from any back end.

.

03 /

How to buy

To buy the Websites/Apps Starter Pack, please order the following Microsoft SKU through a [Microsoft Licensing Solution Provider (LSP)](#) or your Microsoft account representative. Within this SKU, you'll have the flexibility to select the services you need for your specific workload.

Websites/Apps Starter Pack
$56,000 J5U-00001 AzureG Commit

The table below details estimated pricing for the services included in the Websites/Apps Starter Pack:

| Service type	Region	Description	Estimated Cost
App Service	US Gov Virginia	Standard Tier; 1 S1 (1 Core(s), 1.75 GB RAM, 50 GB Storage) x 730 Hours; Windows OS	$75.00
API Management	US Gov Virginia	Standard tier, 1 units(s), 730 Hours	$2,900.00
SQL Database	US Gov Virginia	P2, 250 DTU, 500GB	41290.00
Functions	US Gov Virginia	128 MB memory, 5 sec execution time, 1M executions/month	$0.00
Notification Hubs	US Gov Virginia	Standard tier, 1 million additional pushes	$230.00
Redis Cache	US Gov Virginia	C0: Standard tier, 1 instance(s), 730 Hours	$45.00
Service Bus	US Gov Virginia	Standard tier: 0, 1,000 brokered connection(s), 0 Hybrid Connect listener(s) + 0 overage per GB, 0 relay hour(s), 0 relay message(s)	$15.00
Storage	US Gov Virginia	Block Blob Storage, General Purpose V2, LRS Redundancy, Hot Access Tier, 1000 GB Capacity, 100,000 Write operations, 100,000 List and Create Container Operations, 100,000 Read operations, 1 Other operations. 1,000 GB Data Retrieval, 1,000 GB Data Write	$35.00
Azure Cosmos DB	US Gov Texas	10 GB storage, 4 x100 RUs	$35.00
		Monthly Total	**$4,625.00**
		Annual Total	**$55,500.00**

Disclaimer

04 /

Support and implementation resources

Websites/Apps Starter Pack support includes:
The Websites/Apps Starter Pack includes a week of support with a Technical Architect for implementation guidance.

Sample Solution Architectures:
Task-based consumer mobile app: This consumer mobile app architecture uses Azure App Service Mobile Apps to simplify authentication with multiple social identity providers, store data and sync it for offline access, and send push notifications.
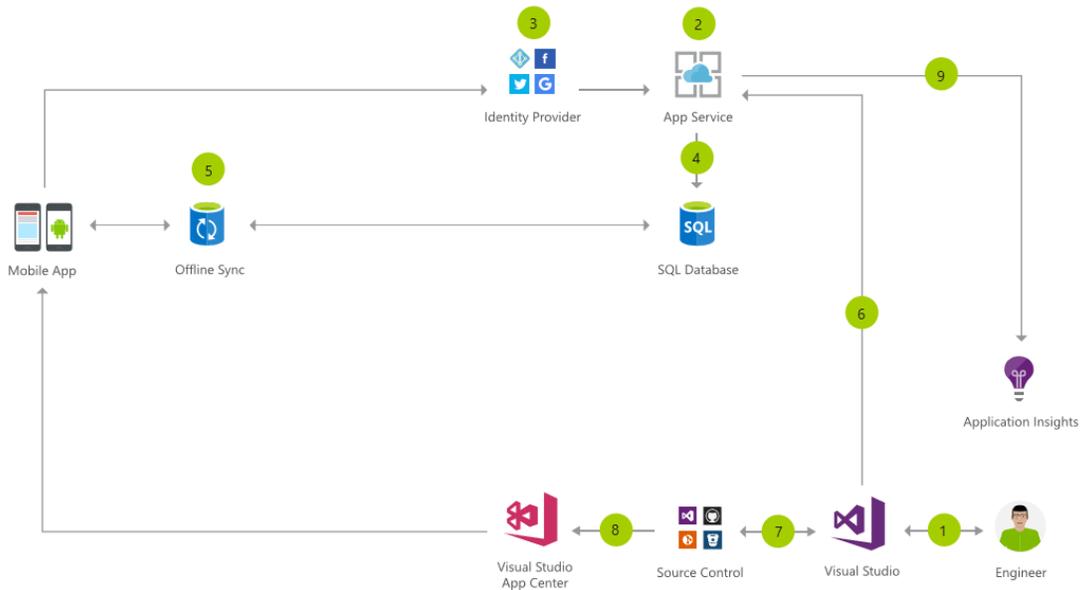
Simple digital marketing website: Start simple with the content management system that enables you to easily maintain the messaging on your website in real-time, from a browser, with no coding skills.
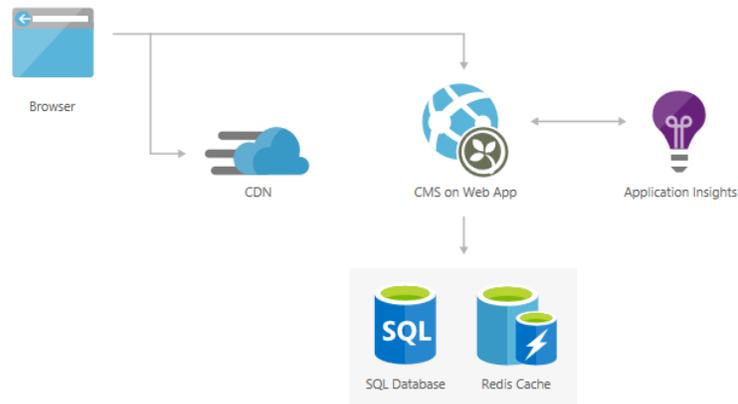
This solution is built on the Azure managed services: [Azure SQL Database](#), [Application Insights](#), [Content Delivery Network](#) and [Redis Cache](#). These services run in a high-availability environment, patched and supported, allowing you to focus on your solution instead of the environment they run in.

Social mobile and web app with authentication: This mobile client app offers social image sharing with a companion web app. The mobile client app works in offline mode, allowing you to view and upload images even when you don't have a network connection.
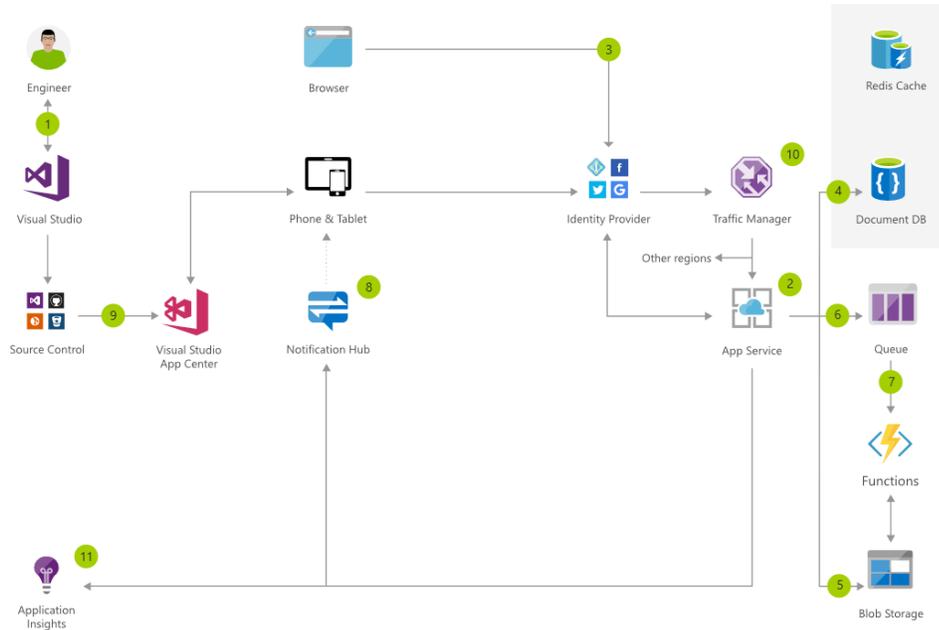
The app back-end service does background image processing using an Azure Function and can notify users of progress via a notification hub. Non-image data is stored in CosmosDB. The web app accesses the back-end service data and images via Traffic Manager.

Contact your designated Microsoft account representative or partner to help you get started or email [Microsoft Azure Starter Packs](#) with any questions.