Cloud Computing Mini Project Report

To Deploy a Website on Azure Cloud and Secure it with SSL

Introduction:

Microsoft Azure is an ever-expanding set of cloud services to help your organisation meet your business challenges. It is the freedom to build, manage and deploy applications on a massive, global network using your favorite tools and frameworks.

Microsoft azure is a cloud platform which uses to build and deploy various applications. Azure offers a wide range of uses and benefits to companies and organizations. One of the major advantage of azure is it provides reliable data storage and services.

Microsoft Azure is a cloud computing service created by Microsoft for building, testing, deploying, and managing applications and services through Microsoft-managed data centers. It provides software as a service (SaaS), platform as a service (PaaS) and infrastructure as a service (IaaS) and supports many different programming languages, tools and frameworks, including both Microsoft-specific and third-party software and systems.

FileZilla

FileZilla is a free software, cross-platform FTP application, consisting of FileZilla Client and FileZilla Server. Client binaries are available for Windows, Linux, and macOS, server binaries are available for Windows only. Both server and client support FTP and FTPS (FTP over SSL/TLS), while the client can in addition connect to SFTP servers.

Problem Definition:

In this project, we aim to demonstrate how cloud computing can be used to deploy an application. For the same we have demonstrated a web-app, in this

context refers to a simply return a Synonym or Antonym of any word using Azure Cloud.

Scope:

Creating a cloud like social site for Institute.

Implementation:

For Synonyms:

Python package - nltk (loaded with required corpus), textblob

.py file - Synonyms.py

Code logic -

Identify the pos tag of each word in sentence

Pick the required indices from sentence which satisfies your POS condition

Do find 3 synonyms for each identified required POS tag word

Then replace the sentences with those synonyms found for each word keeping rest sentence same

For Antonyms:

Python package - nltk

.py file - Antonyms.py

Code logic -

Check if the words in sentences have "not"

If "not" is found replace not and the immediate next word with antonym of the word next to "not"

If "not" is not found then keep the words as it

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Now join all the words after replacement and thats the final
sentence
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In Azure Search, synonym support is based on synonym maps that you define and upload to your service. These maps constitute an independent resource (like indexes or data sources), and can be used by any searchable field in any index in your search service.

Synonym maps and indexes are maintained independently. Once you define a synonym map and upload it to your service, you can enable the synonym feature on a field by adding a new property called synonymMaps in the field definition. Creating, updating, and deleting a synonym map is always a whole-document operation, meaning that you cannot create, update or delete parts of the synonym map incrementally. Updating even a single entry requires a reload.

Incorporating synonyms into your search application is a two-step process:

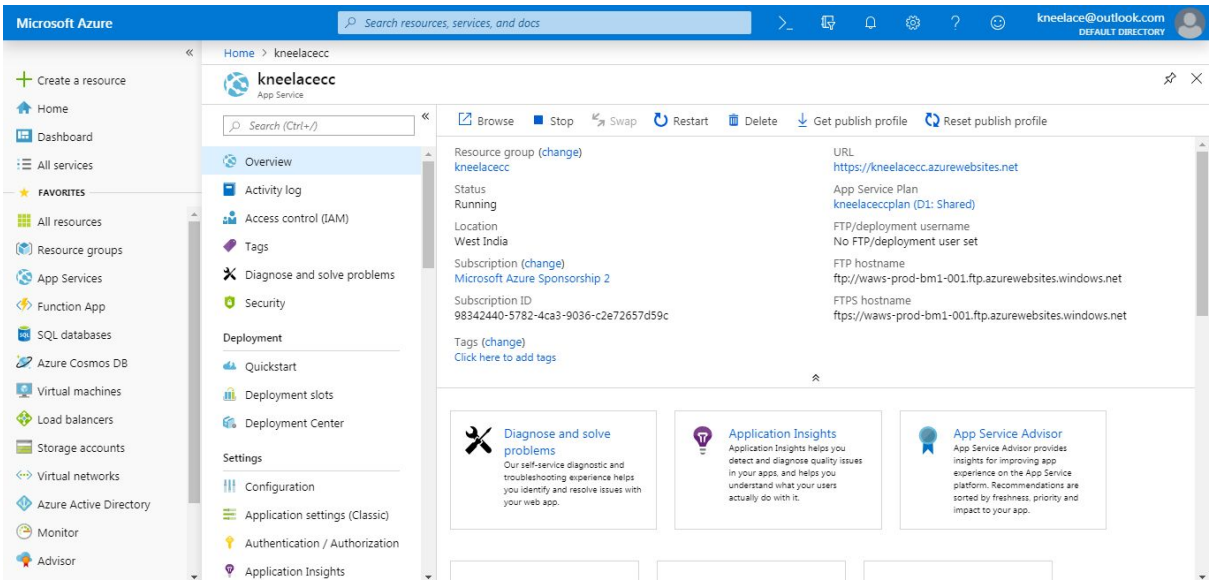
1. Add a synonym map to your search service through the APIs below.
2. Configure a searchable field to use the synonym map in the index definition.

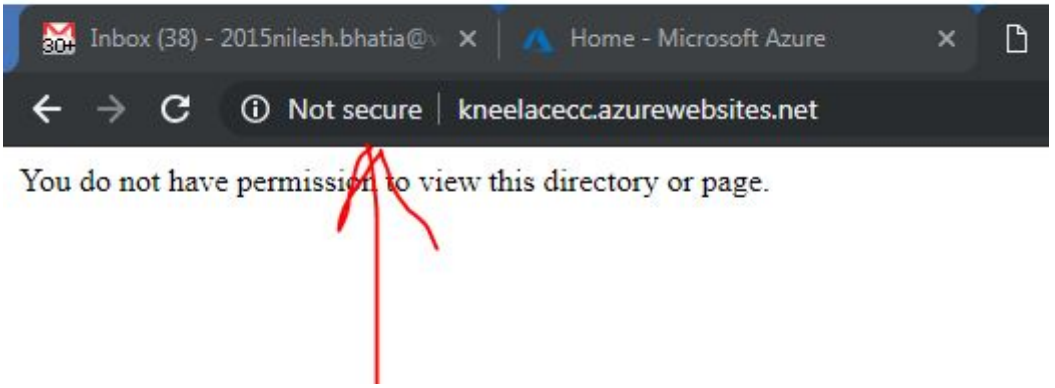
Prerequisites

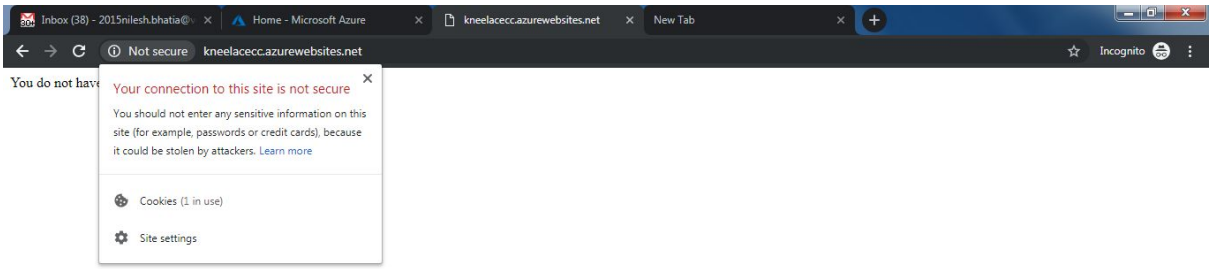
1. Visual Studio
2. Azure Search service
3. Microsoft.Azure.Search .NET library

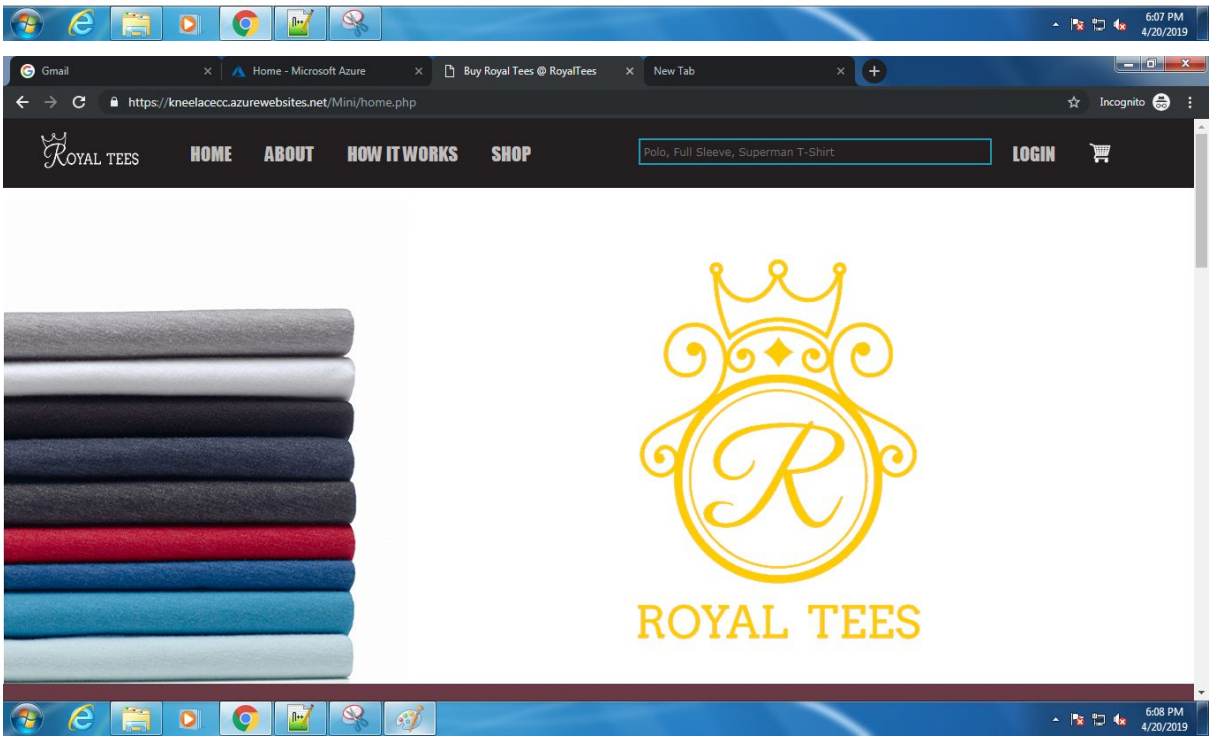
Code:

Output


Microsoft Azure
Search resources, services, and docs
kneelace@outlook.com
DEFAULT DIRECTORY
Home > kneelacecc
kneelacecc
App Service
Create a resource
Home
Dashboard
All services
FAVORITES
All resources
Resource groups
App Services
Function App
SQL databases
Azure Cosmos DB
Virtual machines
Load balancers
Storage accounts
Virtual networks
Azure Active Directory
Monitor
Advisor
Search (Ctrl+/)
Overview
Activity log
Access control (IAM)
Tags
Diagnose and solve problems
Security
Deployment
Quickstart
Deployment slots
Deployment Center
Settings
Configuration
Application settings (Classic)
Authentication / Authorization
Application Insights
Browse
Stop
Swap
Restart
Delete
Get publish profile
Reset publish profile
Resource group (change)
kneelacecc
Status
Running
Location
West India
Subscription (change)
Microsoft Azure Sponsorship 2
Subscription ID
98342440-5782-4ca3-9036-c2e72657d59c
Tags (change)
Click here to add tags
URL
https://kneelacecc.azurewebsites.net
App Service Plan
kneelaceccplan (D1: Shared)
FTP/deployment username
No FTP/deployment user set
FTP hostname
ftp://waws-prod-bm1-001.ftp.azurewebsites.windows.net
FTPS hostname
ftps://waws-prod-bm1-001.ftp.azurewebsites.windows.net
Diagnose and solve problems
Our self-service diagnostic and troubleshooting experience helps you identify and resolve issues with your web app.
Application Insights
Application Insights helps you detect and diagnose quality issues in your apps, and helps you understand what your users actually do with it.
App Service Advisor
App Service Advisor provides insights for improving app experience on the App Service platform. Recommendations are sorted by freshness, priority and impact to your app.


Inbox (38) - 2015nilesh.bhatia@
Home - Microsoft Azure
Not secure
kneelacecc.azurewebsites.net
You do not have permission to view this directory or page.


Inbox (38) - 2015nilesh.bhatia@
Home - Microsoft Azure
kneelacecc.azurewebsites.net
New Tab
Not secure
kneelacecc.azurewebsites.net
Incognito
You do not have
Your connection to this site is not secure
You should not enter any sensitive information on this site (for example, passwords or credit cards), because it could be stolen by attackers. Learn more
Cookies (1 in use)
Site settings


6:07 PM
4/20/2019
Gmail
Home - Microsoft Azure
Buy Royal Tees @ RoyalTees
New Tab
https://kneelacecc.azurewebsites.net/Mini/home.php
Incognito
ROYAL TEES
HOME
ABOUT
HOW IT WORKS
SHOP
Polo, Full Sleeve, Superman T-Shirt
LOGIN
ROYAL TEES
6:08 PM
4/20/2019