

# Deployment Documentation: Game Store Web App

## 1. Create the Azure App Service

On the Azure Portal.

Go to App Services > + Create.

Fill in the required fields:

- **Resource Group:** Name: game-store01
- **Runtime stack:** .NET 6 (LTS) or your preferred version
- **Region:** Sweden central.
- **App Service Plan:** Choose a pricing plan that supports custom domains and SSL ( B1)

Click Review + Create, then Create.

The screenshot displays the Azure Portal interface for a newly created Web App named 'game-store01'. The left-hand navigation pane lists various services, with 'Overview' selected. The main content area is divided into several sections:

- Essentials:** A summary of key properties including Resource group (game\_store), Status (Running), Location (Sweden Central), Subscription (azurejensen083), Subscription ID, and Tags.
- Properties:** A table detailing the Web app configuration:

Property	Value
Name	game-store01
Publishing model	Code
Runtime Stack	Dotnet - v8.0
- Domains:** A table showing domain configuration:

Property	Value
Default domain	game-store01.azurewebsites.net
Custom domain	gamestore-hany.net
- Deployment Center:** Shows deployment logs, including a successful deployment on Saturday 5 April, 03:19:03 PM, using the GitHubAction provider.
- Application Insights:** Displays the name (game-store01) and region (Sweden Central) for monitoring.

## 2- Push Project to GitHub from Visual Studio

- Open the solution in Visual Studio 2022.
- Go to the **Git** menu and select **Create Git Repository**.
- Sign in to **GitHub account** if prompted.
- Name the repository (e.g., **GameStore**) and choose **GitHub** as the hosting service.
- Click **Create and Push** to initialize the repository and push the code to GitHub.
- After the push, verify the project is available on GitHub account.

<https://github.com/HanyMagdy-cloud/GameStore.git>

The screenshot displays the GitHub repository page for 'GameStore' by user 'HanyMagdy-cloud'. The repository is public and has 1 branch and 0 tags. The main content area shows a list of files and folders, including .github/workflows, Controllers, Models, Properties, Services, Views, and wwwroot, each with a description of the changes and the time since the last commit. The repository has 6 commits and was last updated 6 hours ago. The right sidebar shows the repository's metadata, including the README, activity, stars, and forks.

File/Folder	Description	Time
.github/workflows	Add or update the Azure App Service build and deployment ...	yesterday
Controllers	changes	yesterday
Models	Add project files.	yesterday
Properties	add application insights	6 hours ago
Services	Add project files.	yesterday
Views	Add project files.	yesterday
wwwroot	Add project files.	yesterday
.gitattributes	Add .gitattributes and README.md.	yesterday
.gitignore	Add project files.	yesterday
GameStore.csproj	add application insights	6 hours ago
GameStore.sln	Add project files.	yesterday

Actions

New workflow

All workflows

Build and deploy ASP.Net Core app to A...  
pages-build-deployment

Management

Caches

Deployments

Attestations

Runners

Usage metrics

Performance metrics

All workflows

Showing runs from all workflows

Filter workflow runs

5 workflow runs			Event ▾	Status ▾	Branch ▾
✓	Merge branch 'master' of https://github.com/HanyMagdy-cloud/Ga... Build and deploy ASP.Net Core app to Azure Web App - game-store01 #2: Commit <a href="#">ecc7cdf</a> pushed by HanyMagdy-cloud	master		3 days ago 4m 30s	
✓	pages build and deployment pages-build-deployment #3: by HanyMagdy-cloud	master		3 days ago 33s	
✓	Add or update the Azure App Service build and deployment workflo... Build and deploy ASP.Net Core app to Azure Web App - game-store01 #1: Commit <a href="#">31b6455</a> pushed by HanyMagdy-cloud	master		4 days ago 3m 49s	
✓	pages build and deployment pages-build-deployment #2: by HanyMagdy-cloud	master		4 days ago 45s	
✓	pages build and deployment pages-build-deployment #1: by HanyMagdy-cloud	master		4 days ago 43s	

## 3. Enable Application Insights

In Azure Portal, go to your App Service: game-store01.

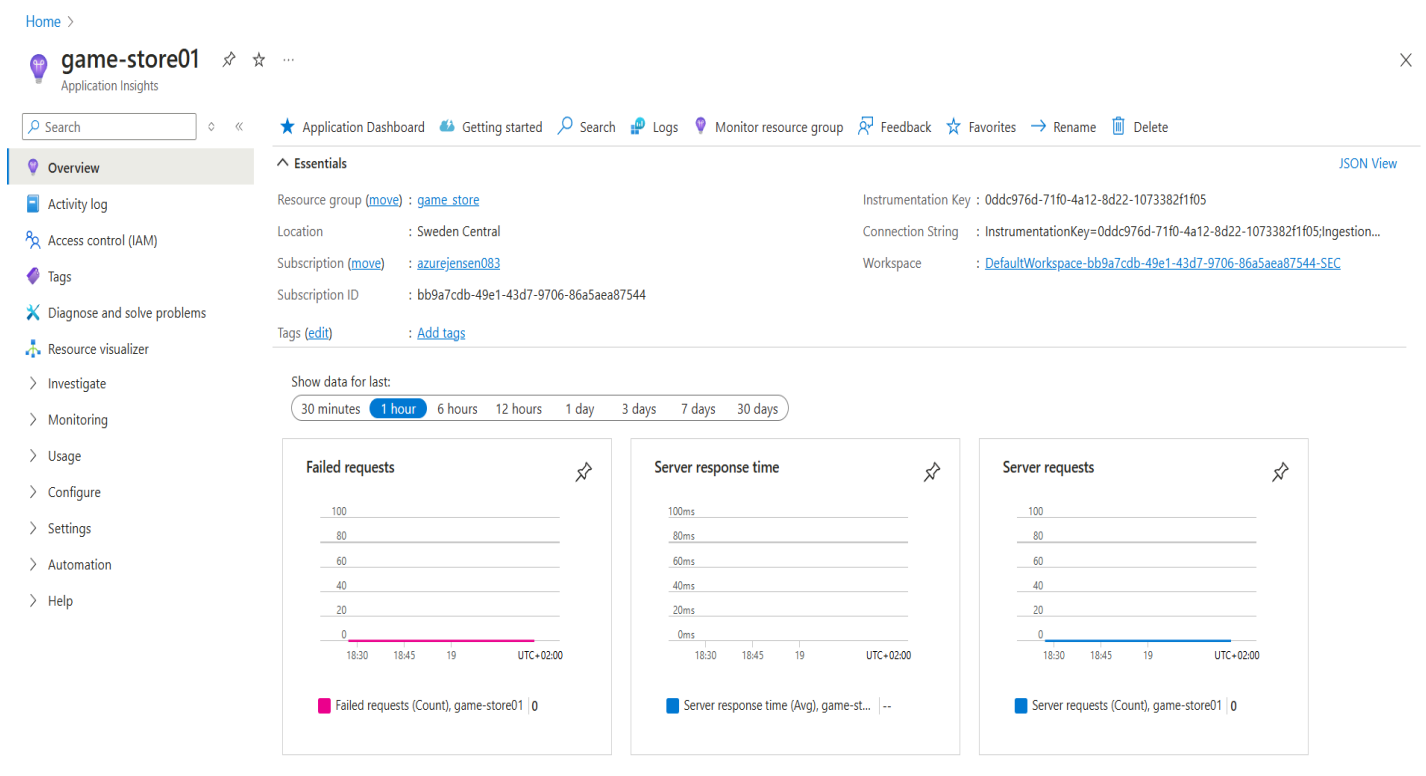
Navigate to Application Insights > Enable.

Choose the resource group (the same one with the app service)

After it's enabled, i configure it and connect it with the visual studio by using the option ( add application insights telemetry)

In Program.cs add the key to connect telemetry.

```
builder.Services.AddApplicationInsightsTelemetry(...)
```



## 4. Add a Custom Domain + SSL

### A. Configure Custom Domain:

- Go to Custom domains > Add custom domain.
- Enter your domain: gamestore-hany.net
- Select All other domain services
- Once validated, the domain appears with a checkmark.

### B. Enable SSL:

- **Add an SSL Binding for gamestore-hany.net**
- **Choose App Service Managed Certificate and SNI SSL**

The screenshot shows the 'Custom domains' page in the Azure portal for the resource 'game-store01'. The left sidebar has 'Custom domains' selected. The main area shows configuration fields for 'IP address' (51.12.31.12) and 'Custom Domain Verification ID' (383269D30F5D0AEC86E6F83BF59AA4EA8BEAE86DC7A1C...). Below these are filter controls and a table with 2 items.

Custom domains	Status	Solution	Binding type	Certificate used	Actions
<input type="checkbox"/> gamestore-hany.net	✓ Secured	-	SNI SSL	gamestore-hany.net-game-store01	...
game-store01.azurewebsites.net	✓ Secured	-	SNI SSL	-	

## Add custom domain



Domain provider \* ⓘ

- ☒ App Service Domain
- ☐ All other domain services

TLS/SSL certificate \* ⓘ

- ☒ App Service Managed Certificate
- ☐ Add certificate later

TLS/SSL type \* ⓘ

- ☒ SNI SSL
- ☐ IP based SSL

App Service Domain \* ⓘ

Select an App Service Domain. ▾

Create new

ⓘ No App Service Domain was found in the current subscription.

ⓘ App Service Managed Certificate only supports alphanumeric, dash, and period characters. If you need to use special characters for your custom domain, select "Add certificate later" and secure it with another trusted certificate.

ⓘ Please note that it might take up to 10 minutes for App Service Managed Certificate to be issued.

Add

Cancel

# 5- IAM (Identity and Access Management) Configuration

- Go to your **App Service** (`game-store01`) in the **Azure Portal**.
- In the left-hand menu, select **Access control (IAM)**.
- Click **Add** → **Add role assignment**.
- Choose a **role** such as:
  - **Reader** – if you want someone to view the app but not make changes.
- Select the **user, group, or service principal** you want to assign the role to.
- Click **Save**.
- This limits who can manage or access your app's resources in Azure.

Microsoft Azure

Search resources, services, and docs (G+/)

Copilot

Home > gamestore-hany.net | Access control (IAM) >

Add role assignment ...

Role

Members

Conditions

Review + assign

Role

Reader

Scope

/subscriptions/bb9a7cdb-49e1-43d7-9706-86a5aea87544/resourceGroups/game\_store/providers/Microsoft.DomainRegistration/domains/gamestore-hany.net

Members

Name	Object ID	Type
hanymagdy-CV-id-9fe2	85ed53ba-bcf5-4471-ab2b-c444b851b8fc	App ⓘ
hanymagdy-id-9cd6	927b7d53-c161-4a00-934d-1fb374cdef15	App ⓘ
hanymagdy-weathe-id-817a	e24d8816-a06a-48a7-bef0-350782eaf853	App ⓘ

Description

No description

Review + assign

Previous







Next

## 6. Final Testing and Validation

Go to <https://gamestore-hany.net> and verify HTTPS works.

Check Application Insights to confirm telemetry is being collected.

### Summary of What i've Secured and Deployed

Feature	Status
App Service Deployed	 Yes
Custom Domain Added	 <a href="https://gamestore-hany.net">gamestore-hany.net</a>
HTTPS/SSL Configured	 SNI SSL with App Service Managed Certificate
TLS 1.2 Enabled	 Yes
HTTPS Only	 Yes
Application Insights	 Enabled & Connected



## Våra N64 spel



### The Legend of Zelda: Ocarina of Time

Ett episkt action-äventyr där du spelar som Link och måste stoppa den onda Ganondorf från att ta över Hyrule.

**Pris:** 499 SEK

**Genre:** Action-äventyr

**Utaivninasår:** 1998



### Super Mario 64

Mario ger sig ut på ett tredimensionellt plattformsäventyr för att rädda prinsessan Peach från Bowser.

**Pris:** 399 SEK

**Genre:** Plattform

**Utaivninasår:** 1996



### GoldenEye 007

En förstapersonsskjutare där du spelar som James Bond och kämpar mot fiender för att stoppa en global katastrof.

**Pris:** 349 SEK

**Genre:** FPS