WordPress & Static website hosting using Microsoft Azure

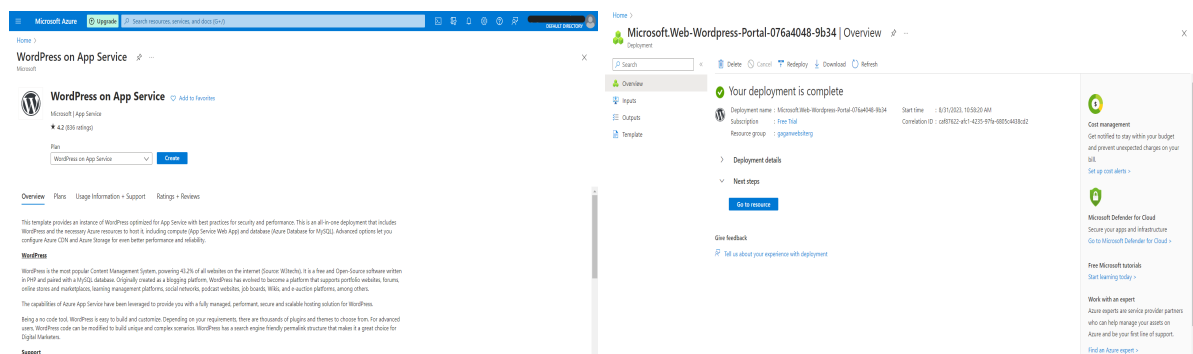By - Sai Gagan N V
gagannvs@gmail.com

Intruduction:

WordPress is an open source Content Management System (CMS) used by over 40% of the web to create websites, blogs, and other applications. WordPress can be run on a few different Azure services: AKS, Virtual Machines, Azure Container Apps and Azure App Service.

Azure serves static content (HTML, CSS, JavaScript, and image files) directly from a storage container named *$web*. Hosting contents in Azure Storage enables we can use serverless architectures that include Azure Functions and other Platform as a service (PaaS) services. Azure Storage static website hosting is a great option in cases we don't require a web server to render content.
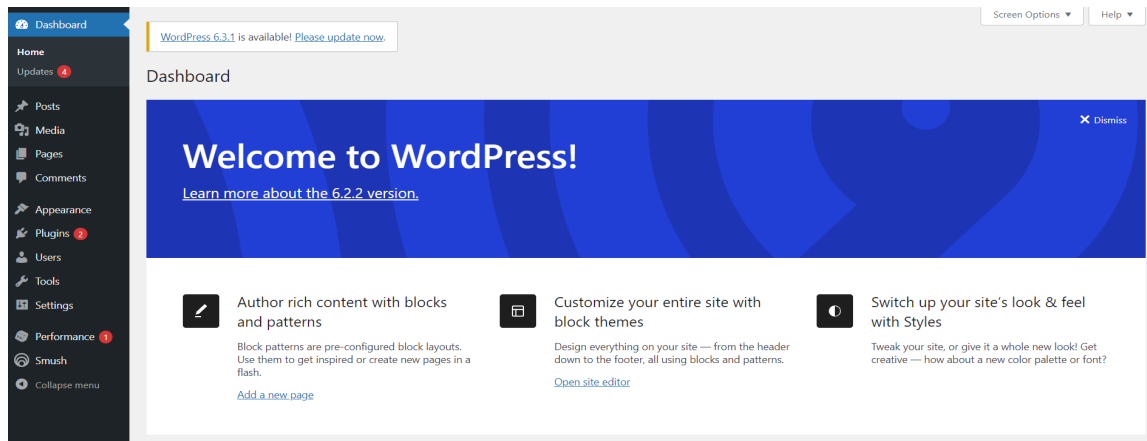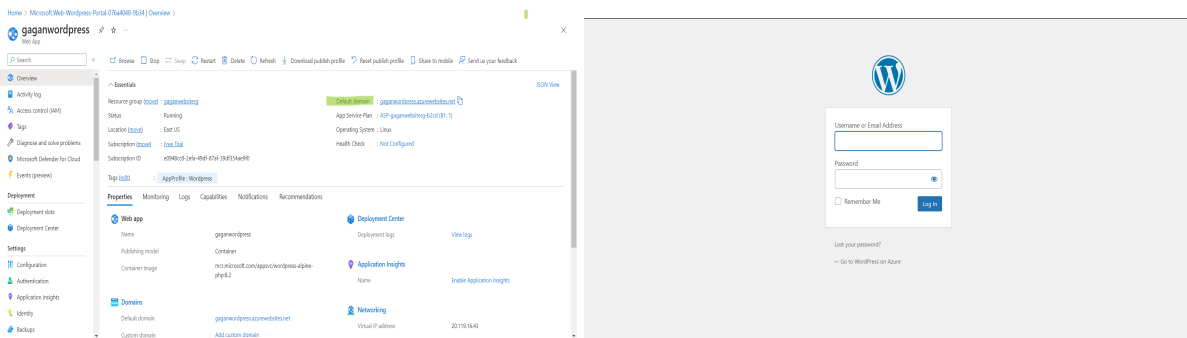
Dsign and Architecture:

WordPress:
- Login to https://portal.azure.com .
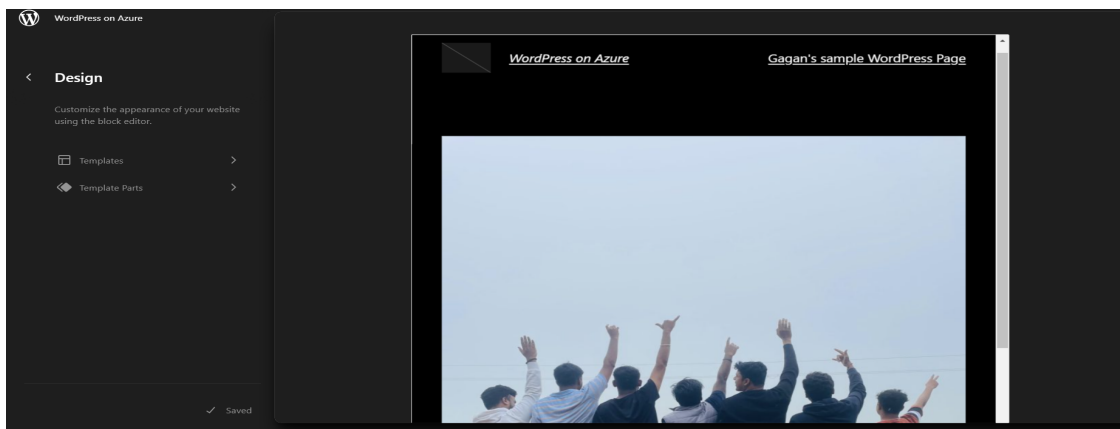- Navigate to Martketplace and search for Wordpress.
- Select Wordpress on App service.
- Create wordpress with all the required details.
- Deploy [Takes about 10min to deploy].

- Once the Deployment is complete navigate to resource.
- Here copy given Default Domain and navigate to the given URL.
- Now login using username and password provided while creating wordpress.
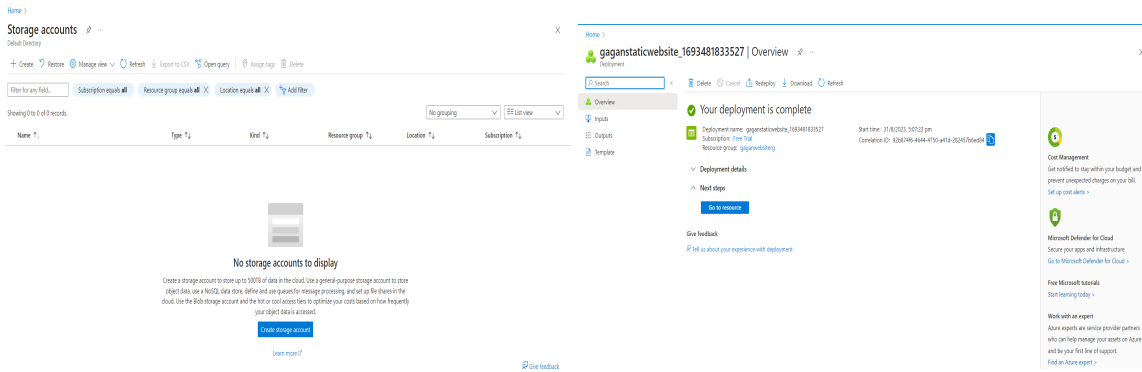- This Navigates wordpress dashboard.

- You can create and configure new page from here.
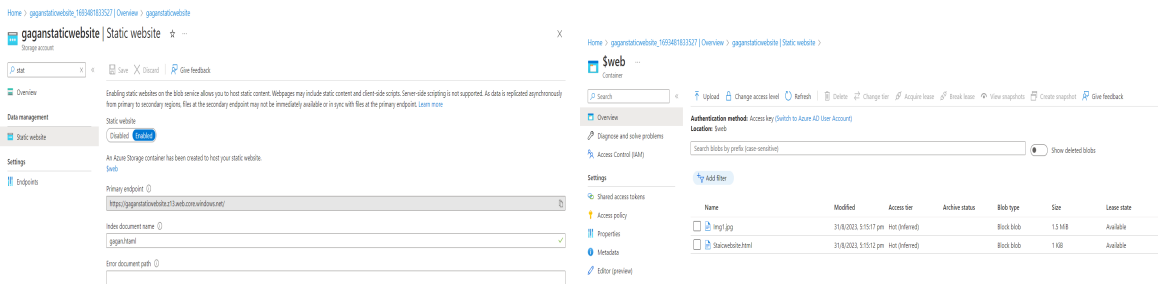- Once you create new page publish the page.

Static website hosting in Azure:

- Prerequisite: static web page/site.
- Login to https://portal.azure.com .
- Navigate to Storage Accounts and create new Storage Account with all the details required.

- Once Deployment is completed navigate to storage account resource.
- Navigate to Static website and click on enabled.
- Give index document name and save. This generates Primary endpoint.
- Click on $web and upload the files.
- Now open URL generated by Primary endpoint.
- Website is now ready.

Conclusion:

Azure offers cost-effective, highly secure cloud services with seamless hybrid flexibility designed to increase developer productivity. Efficiently build, run and manage applications on-premises, in multiple clouds and at the edge with features.