



Comparative study of Deployment and Performance of Cloud Platforms

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Objective

- Build Web Application
- Deployment on different Cloud Platforms
 - Heroku
 - AWS
 - Microsoft Azure
 - Google Cloud
- Comparison
 - Ease of Deployment
 - User Friendly Environment
 - Stats of PSR testing



WE HAVE SPECIAL MENUS



\$24

Breakfast

Grilled tomato, Black & White pudding, Baked Beans, Potato Bread, Hash Brown, Sauté Mushrooms, French Fries.



\$32

Seafood

Fresh fillet of cod in a crisp golden batter. Complemented with mushy peas, tartar sauce and French fries.



\$36

New Pizza

Roasted garlic, roasted red peppers, artichoke hearts, fresh rosemary, tomato sauce, mozzarella cheese, fresh ground pepper



\$64

Spicy Beef

Tender strips of prime Irish Sirloin beef stir fried with our crunchy stir fried vegetables and Linished in oyster sauce, served with steamed rice or egg noodles.



\$24

Mushroom

Fresh Irish mushrooms stuffed with garlic infused cream cheese coated in beer batter fried golden brown, served with dressed seasonal leaves and garlic mayonnaise



\$45

Dinner

Rosettes of smoked salmon surrounding marie rose sauce, dressed with a lemon twist, sliced red onion on a dressed garden salad.

- Heroku Features
 - Polyglot Platform
 - Elasticity
- Deployment Details
 - Git init, add, push
 - Heroku Toolbelt CLI
- Merits
 - Very few steps to deploy
 - Cheapest option for low traffic website
 - Offer number of Upgrade/Downgrade option
- Drawbacks
 - Can't login to server via SSH
 - Manually scaling of application on high traffic



- Amazon Web Services (AWS) is a comprehensive, evolving cloud computing platform provided by Amazon.
- Use cases:
 - Content storage and distribution, Storage for Data Analysis, Backup achieving and disaster recovery, Static webhosting.
- Benefits:
 - Easy to use, No capacity limits, Provides speed and agility, Secure and Reliable, Inexpensive.
- Disadvantages:
 - Security limitations, Technical support fee.



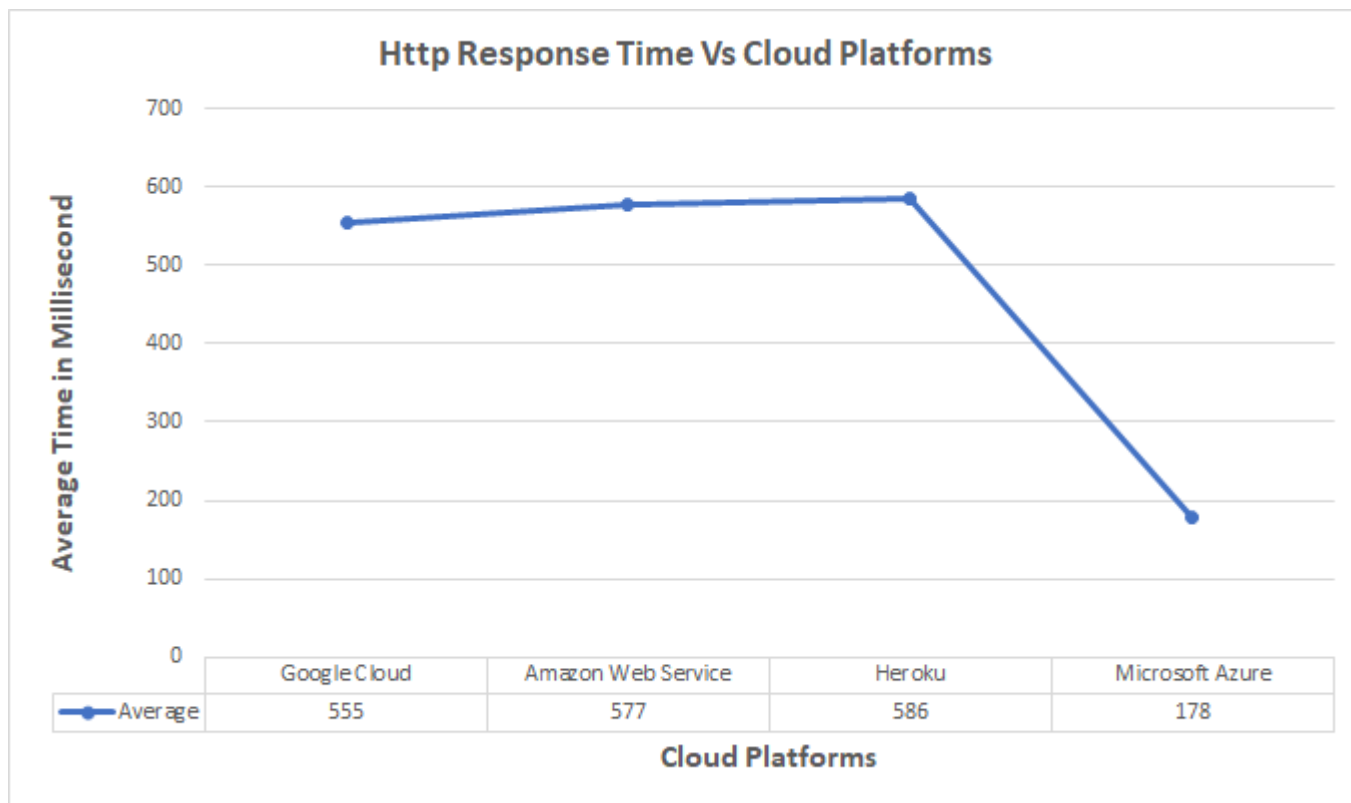
- Azure VMs are one of several types of on-demand, scalable computing resources that Azure offers.
- Can be deployed using Azure dashboard GUI or Powershell CLI.
- The Windows VM architecture deploys the following:
 - A virtual network with a single subnet used to host the VM.
 - An NSG with incoming rules to control traffic to the VM.
 - A VM running the latest version of Windows Server 2016 Datacentre Edition.
- Internet Information Services (IIS).
- Benefits: Open Source, Pay per minute, Integration with Microsoft tools



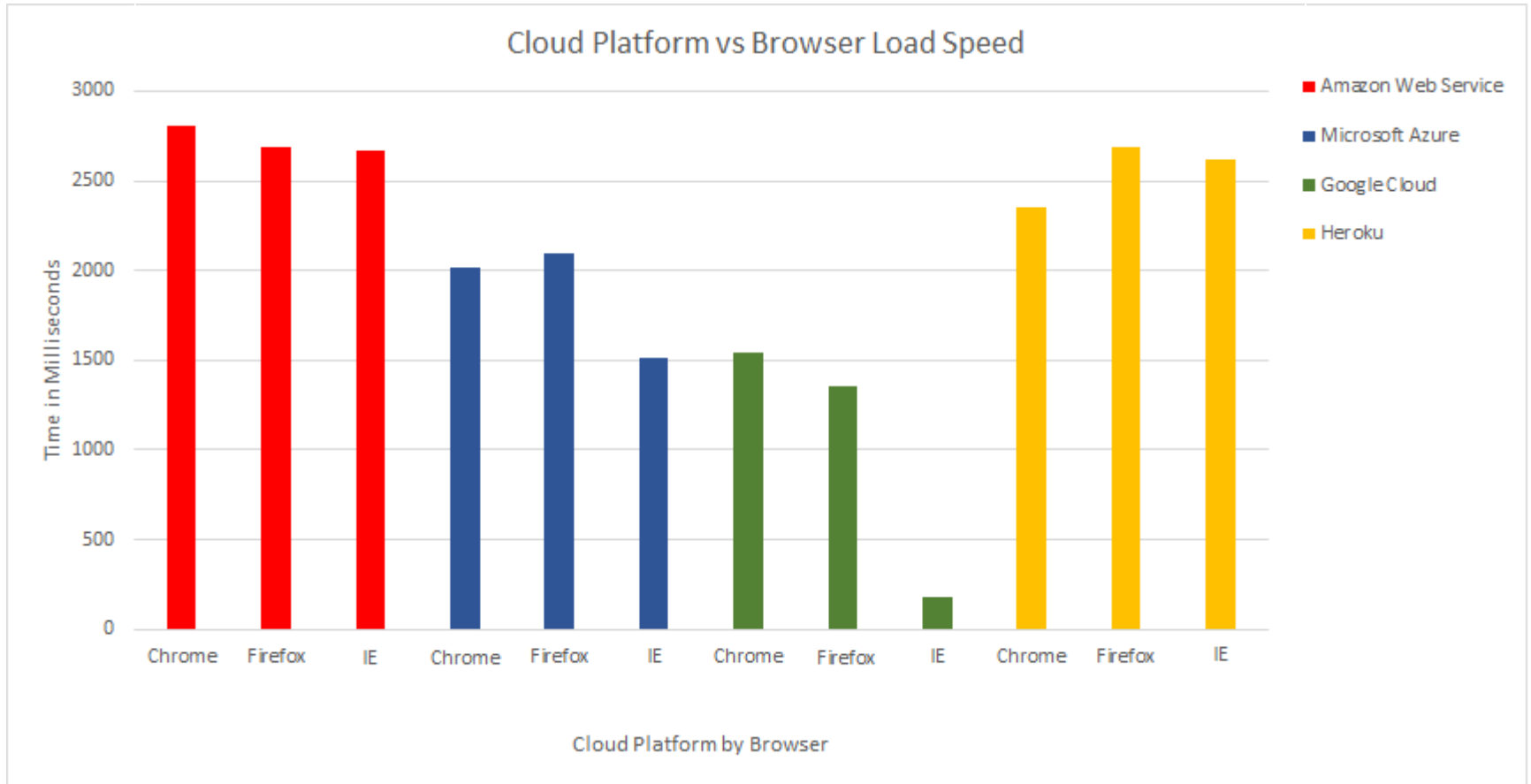


- Google Cloud App Engine
 - Platform, Dynamic web server , Scaling and load.
- Deployment Details
 - Fully featured SDK, Web Based Admin Console
- Disadvantages
 - Setting up account
- Ease of Use
 - User friendly,documentation

Application HTTP Response Time



App Load Time – Browser Compatibility



Thank You