Cloud Lift - Application

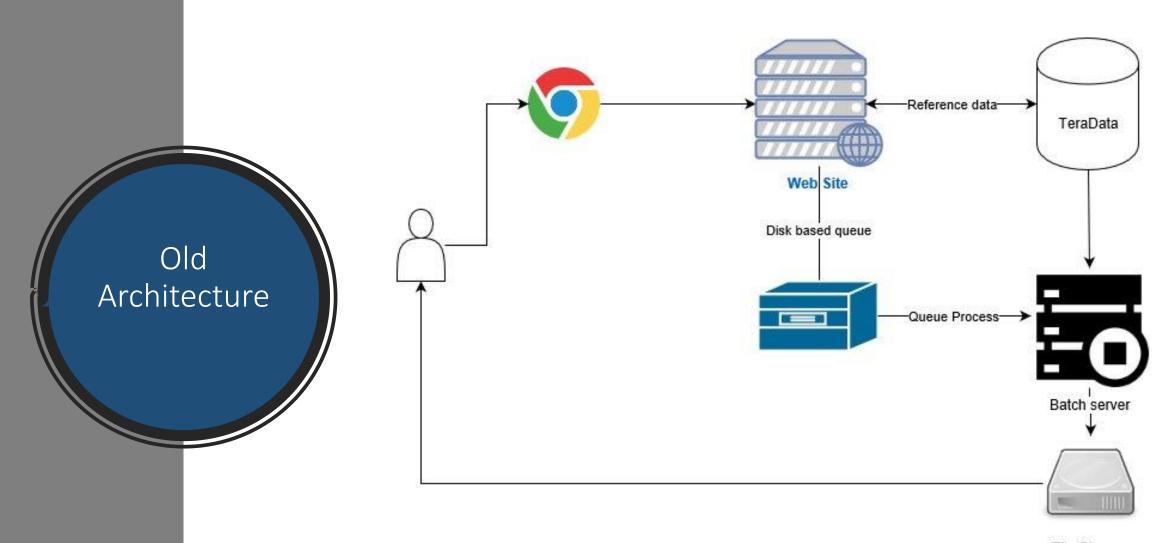# Contents

Old Architecture

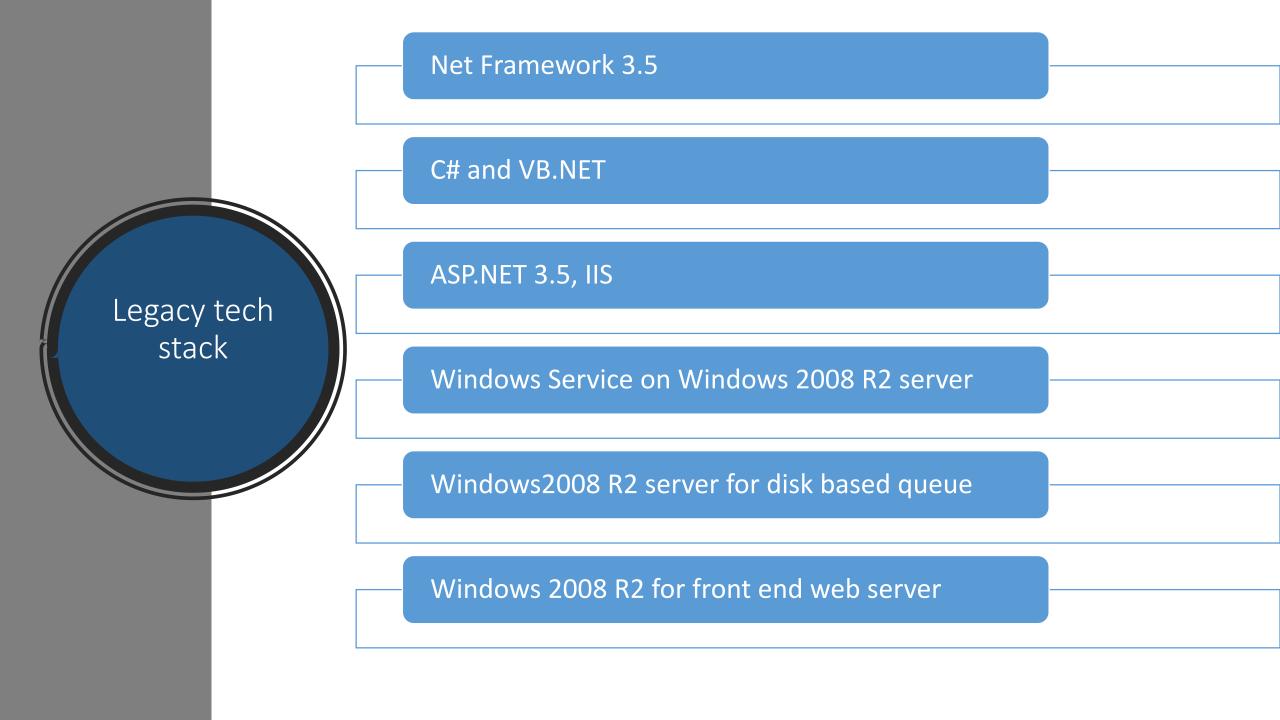Legacy Tech stack

Limitations in Old Architecture

New Architecture

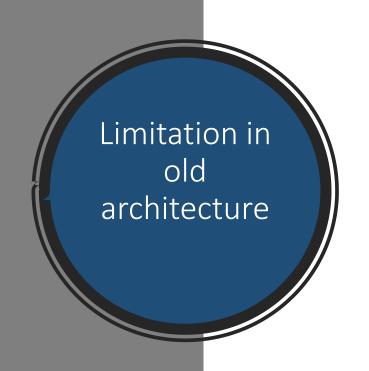Modern tech stack
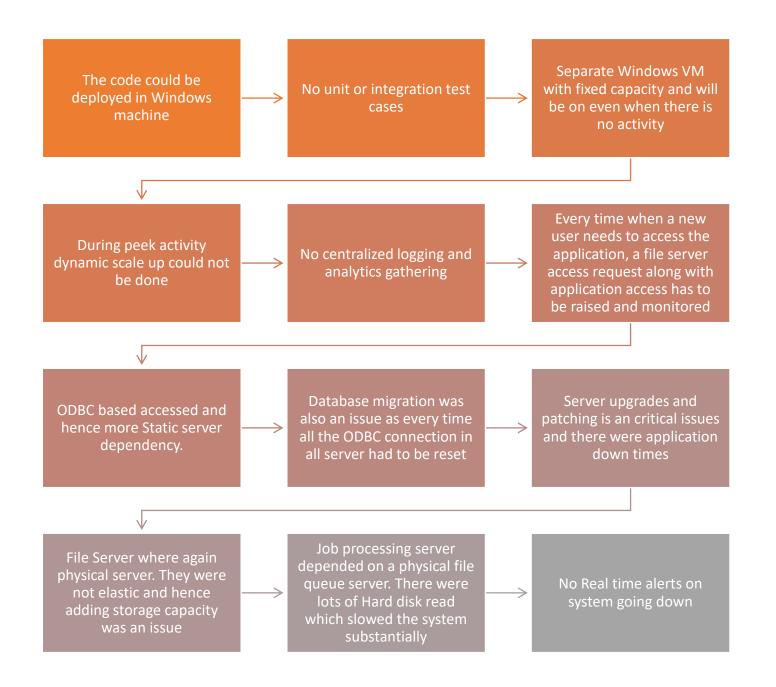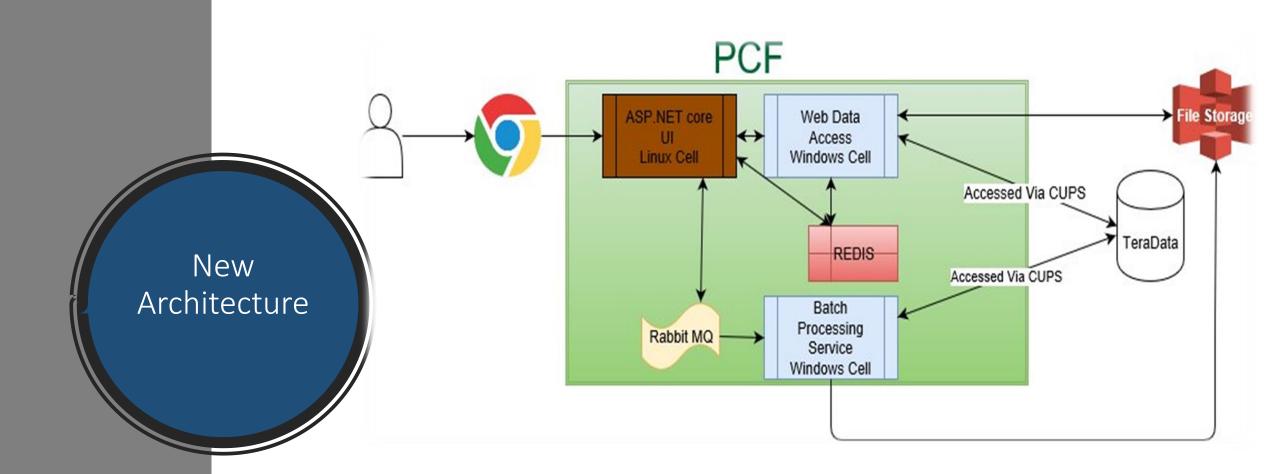
New Architecture Benefits

Business Benefits

Legacy tech stack

- Net Framework 3.5
- C# and VB.NET
- ASP.NET 3.5, IIS
- Windows Service on Windows 2008 R2 server
- Windows2008 R2 server for disk based queue
- Windows 2008 R2 for front end web server

Limitation in old architecture

The code could be deployed in Windows machine	No unit or integration test cases	Separate Windows VM with fixed capacity and will be on even when there is no activity
During peek activity dynamic scale up could not be done	No centralized logging and analytics gathering	Every time when a new user needs to access the application, a file server access request along with application access has to be raised and monitored
ODBC based accessed and hence more Static server dependency.	Database migration was also an issue as every time all the ODBC connection in all server had to be reset	Server upgrades and patching is an critical issues and there were application down times
File Server where again physical server. They were not elastic and hence adding storage capacity was an issue	Job processing server depended on a physical file queue server. There were lots of Hard disk read which slowed the system substantially	No Real time alerts on system going down

Modern tech stack

- Net Framework 4.5.2
- PCF 1.10
- Splunk
- Rabbit MQ on PCF
- S3 file storage
- Redis on PCF

Business Benefits

Happy Customer
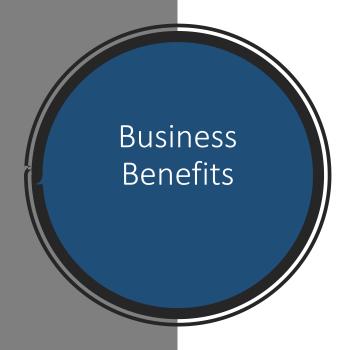
Happy DevOps Team

Dollar Saved

Happy developer