Assumptions

What is so great about the cloud?

Lower capital expenditure **and** Easier maintenance and upgrades

The ability to source IT services on-demand – as and when they are required – allows businesses to move to an investment model based on operational expenditure.

Example DynamoDB VS SQL

Easier maintenance and upgrades

Greater flexibility and mobility

cloud services at their fingertips, employees can work from almost any location. They can access important files, data, documents and IT tools from a range of devices from almost any connected location. Providing they have the required bandwidth, it is possible to work online, replicating the office environment and ensuring employees can work as productively as possible.

Example setting up a new Data Center in Frankford.

Continuity of business and Disaster Recovery

An associated benefit of remote working capability is the fact that, in the event of a disaster, the continuity of operations should never be in doubt. Should there be a fire, flood, theft, technology outage, or snow and ice prevent people from making it into the office, they have the option of working from a different location. Employees can simply log on as normal, access their work desktop, and continue as they would have done on any normal working day. All documents, files and data are hosted in the cloud, meaning they are accessible from almost any system, providing the user has the necessary access codes.

Example DR in the real world Amazon Pilot Light

Improved IT security

https://aws.amazon.com/premiumsupport/trustedadvisor/

Assumptions

You are in IT\Software field, you know what servers \ clients are, you

What is elastic beanstalk?

use case for elastic beanstalk

what you get with elastic beanstalk

advantages disadvantages over other aws methods

advantages

fast Configuration with Automation

components and architecture of elastic beanstalk

Application you can think it as folder which contains all the software which your app needs to needs

Environment is where you actually run your application, you could have different envioroments for different versions of your app , for example dev, test, prod

senario one quick deploy

senario two high availability

what is high availability

Change instance type

Change number of instances

Change Key

Change to CPU

Add database

Look at quick deploy

Go through tabs, monitoring etc

EC2 Instances

Load Balancer

S3 bucket

CloudFormation Template

Delete quick deploy, what would happen if we deployed resources such as databases etc

Look at High availability with 2 high avail enviroments

Kill one ec2 instance

scenario 3 ide

show options do two version

samples

<https://docs.aws.amazon.com/elasticbeanstalk/latest/dg/tutorials.html>

looks at what’s required from dev side

a look at the resources created

updating version

deploying via the command line