

System
Sys1
Sys2
Sys3
Sys4
Sys5

Description
Financial accounting / transaction system
Client and company data repository (DB)
Document archive (scans of contracts) integrated with process workflow
Service desk application
Testing environment for new version of internal applications

Key architecture information	Memory Demand
Complex solution havily integrated to 10 other systems including national bank (clearing center) via multiple connectors (SFTP, MQ, DB interfaces)	32GB
Standalone DB - with external connectors	8GB
3 Tier architecture	16GB
SOA architecture - integration of multiple componenbts	8GB
Stand alone series of applications and middleware component for internal aplication system (with no integration to outer world)	16GB

Used Technology	Number of users	Number of requests per hour (normal)
4xClusters, High Availability (HA), DR to backup location, WebShere application server, load balancer. pSeries server, SAN storages,	150 000 000	1.5M
Oracle DB, HA, DR to backup location	50 000	0.7M
Content management system, MS SQL server, SFTP, integrated to scanning center), Process server, application server, tape libraries,	20000	5000
Oracle DB	20000	50
MS SQL server, Apache Tomcat, Internet information Server,	500	0.2M

Number of requests per hour (peaks)	Network demand	Storage requirement	Security & privacy & compliance Requirement
2.3M	not known (but internal infrastructure has 10 GB capability)	52.8TB	?
1.1M	not known (but internal infrastructure has 10 GB capability)	2.5TB	?
15000	not known (but internal infrastructure has 10 GB capability)	875TB	?
750	not known (but internal infrastructure has 10 GB capability)	0.9TB	?
0.3M	not known (but internal infrastructure has 1 GB capability)	2TB	?

Process Sensitive (client data)	Supporting team - # of administrators	SLA category
Y	5	1
Y	3	1
Y	2	2
N	2	2
N	2	4

ID
1
2
3

Task

Based on provided inputs prepare analyzes of client's environment and assess what, how, when could be migrated to the cloud world. Provide comments why selected systems are / are not recommended for a migration.

You may use Lecturer as representative of a client and you can ask additional Qs in case you require more details or clarification. Provided questions and answers should become part of the work.

For each system - perform analyses in terms of cloud migration approach and provide your recommendation (from technology, cost, flexibility, etc perspective) - select service and deployment cloud model along with

Work should be described at least on 2 pages A4 along with any Qs you have asked further to perform

Be carefull on information that are mentioned in this file - some may be very basic or not clear (it is

Administrator rate	USD / month
	3k
	2.5k
	2k
	4k

Name
Business
Country for HQ
Business driver for cloud
Primary business directive
IT invironment

1
Burger finance inc.
Finance services / consulting
Czech Republic
Optimize internal cost for IT
Move all systems to cloud environment
Own all HW

2
Topic inc.
Consulting
Czech Republic
Improve resiliency of systems
Move all systems to cloud environment
Rented HW (in data center)