Cloud Platform Comparison

	Microsoft Azure			**amazon web services**			**Google Cloud Platform**		
	LIFT & SHIFT	CONSUME PAAS SERVICES	RE-ARCHITECT FOR CLOUD	LIFT & SHIFT	CONSUME PAAS SERVICES	RE-ARCHITECT FOR CLOUD	LIFT & SHIFT	CONSUME PAAS SERVICES	RE-ARCHITECT FOR CLOUD

COMPUTE

VIRTUAL SERVERS	Virtual Machines			EC2			Compute Engine		
AUTOSCALE	VM Scale Sets	App Service Autoscaling		Autoscaling			Autoscaling		
VIRTUAL SERVER DISK	Page Blobs Premium Storage			Elastic Block Store (EBS)			Persistent Disks		
CONTAINER MANAGEMENT	Container Service			EC2 Container Service			Container Engine		
BACKEND PROCESSING LOGIC			Cloud Services (worker role) Functions Logic Apps Web Jobs			Lambda			Cloud Functions
JOB			Batch						
MICROSERVICES			Service Fabric						Cloud Functions
WEB APPLICATIONS		Web Apps Cloud Services (web role)			Elastic Beanstalk			App Engine	
API RUNTIME		API Apps							
DISASTER RECOVERY		Site Recovery							
PREDEFINED TEMPLATES	Azure Quickstart templates			AWS Quick Start					
MARKETPLACE		Azure Marketplace			AWS Marketplace			Cloud Launcher	

STORAGE & CONTENT DELIVERY

OBJECT STORAGE		Blob Storage			S3			Cloud Storage	
SHARED FILE STORAGE	File Storage			Elastic File System					
ARCHIVING & BACKUP		Backup (software) Cool Blob Storage (storage)			Glacier & S3 (storage)			Cloud Storage Nearline (storage)	
DATA TRANSPORT	Import/Export			Import/Export Snowball					
CONTENT DELIVERY		Content Delivery Network			CloudFront			Cloud CDN	

DATABASE

RELATIONAL DATABASE		SQL Database			RDS			Cloud SQL	
NOSQL DATABASE			DocumentDB			DynamoDB			Cloud Datastore
DATA WAREHOUSE		SQL Data Warehouse			Redshift			BigQuery	
TABLE STORAGE			Table Storage			SimpleDB			Cloud Bigtable
CACHING		Azure Redis Cache			ElasticCache			Memcache (App Engine)	
DATABASE MIGRATION		SQL Database Migration Wizard			Database Migration Service				

ANALYTICS & BIG DATA

BIG DATA PROCESSING			HDInsight			Elastic MapReduce (EMR)			Cloud Dataproc
DATA ORCHESTRATION			DataFactory			Data Pipeline			Cloud Dataflow
ANALYTICS			Stream Analytics Data Lake Analytics Data Lake Store			Kinesis Analytics			Cloud Dataflow
VISUALISATION		Power BI			QuickSight					Cloud Datalab
MACHINE LEARNING			Machine Learning			Machine Learning			Cloud Machine Learning Prediction API
INTELLIGENCE API		Cognitive Services (Language, Speech, Vision, Knowledge)						Translate, Speech, Vision	